

Deposition Materials

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➤ *Evaporation Materials and Sputter Targets*



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Deposition Materials

■ Materials and Purity

The products listed include pure elements, compounds, alloys, intermetallics, and mixtures (elements and/or compounds mixed to the customer-specified atomic-weight percentages).

A film's purity depends, in part, on the starting material's purity.

Additional contamination may arise from reaction with air, particle transfer during handling or mounting, residual vapors in the vacuum system, and cross-contamination from other deposition sources. However, no degree of system or handling cleanliness can reduce a film's contamination due to original material purity.

NOTE: Only the most frequently ordered purities are listed here. If other purity levels are needed, contact the Sales Department.

Some reactive materials are shipped in a light mineral oil coating. It is important to follow a correct cleaning protocol to remove this oil. If the instructions become detached from the material, or were not provided, contact the Sales Department.

Deposition Techniques

For more information on thermal evaporation and sputtering techniques of materials, see Section 17 for the Materials Deposition Table.

Contact Information

For inquiries regarding pure materials as sputter targets or evaporation pieces, please contact KJLC's Sales Department:

Phone: 412-387-9200

Fax: 412-384-2745

Email: sales@lesker.com

Web: www.lesker.com

Visit our website for an online quotation at
www.lesker.com/MaterialsQuotation.cfm

Pricing

- Every effort is made to display correct prices. Wherever possible, we honor the listed price even if the current price is higher. We reserve the right to adjust prices, without notice, even after the material has been ordered.
- For materials with daily price fluctuations, we indicate "Call" in the price block.

Please see page 18-62 for special Term & Conditions that apply to Material purchases.



■ TORUS® Targets

Targets for most TORUS sputter sources are simple disc shapes of constant thickness, listed by their material and diameter. Some older, large-diameter TORUS designs require targets that are disc-shaped annuluses.

Bonded targets are thin discs of pure material bonded to an OFHC copper backing plate. Bonded targets are used to reduce target costs in initial deposition tests, particularly for the more expensive materials.

KJLC's Materials Department provides the bonding service or the material discs separately for customers who prefer to provide their own backing plates or bond the target themselves.

Bonded targets are also used in high-power applications where the thinner target offers less thermal resistance and the conductivity of the copper improves conduction to the source's cooling well.

Because the range of possible target shapes and sizes is so vast, we list only discs of uniform thickness. If you don't see a size, shape, or material listed to suit your OEM sputter sources, please contact KJLC's Sales Department.

TORUS® Sputter Source Target Sizing Chart

TORUS Source Model	Target Diameter
TORUS 1 (Model TRS1)	1"
TORUS 2 (Models TRS2 & TMO2)	2"
TORUS 3 (Models TRS3 & TMO3)	3"
TORUS 4 (Model TRS4)	4"
TORUS 6 (Model TRS6)	6"
TORUS 7 (Model TMO7)	7"
TORUS 10	6 ³ / ₈ "

■ OEM Targets

The range of target shapes and dimensions used by OEM sputter sources is too large to list every variant. Only disc shapes are shown, but custom sizes, shapes, or profiles for almost any OEM source are available.

Contact the Sales Department for details.

■ Evaporation Materials

Evaporation materials are listed by material and shape, e.g., Al Canes, Al Clips, Al Pellets. For materials and shapes other than those listed, contact the Sales Department.



KJLC® Materials Department ISO Certified

Our Materials Department is proud to be ISO 9001 certified. We adhere to the ISO 9001:2008 set of standards required for quality management in business-to-business dealings. These ISO requirements are centered around enhancing customer satisfaction by meeting both customer and regulatory requirements while continually improving performance.

Through ISO Certification, our Materials Department is better able to serve our thermal evaporation and magnetron sputtering customers' needs. Our precision inventory management system and strict packaging requirements ensures your order arrives on time, and ready for your R&D or production vacuum process application. We provide Material Certification Data Sheets to our customers with each order, so you can feel confident ordering precious metals, alloys, and compounds from us knowing you'll receive the exact purity and elemental composition you desire.

See for yourself why our ISO Certified Materials Department should be **your** primary supplier of materials for deposition.



Descriptions and Terms

Bond — Bonding is recommended for these materials. Many materials have characteristics which are not amenable to sputtering, such as brittleness and low thermal conductivity. Please reference www.lesker.com or the KJLC catalogue for additional information on bonding.

Density — Some materials and manufacturing methods may yield product with lower than average densities. Lower than average densities will affect performance according to process requirements.

Magnetic — Ferromagnetic materials require additional consideration when selecting configuration/thickness. High strength magnets or thinner targets may be required. Bonding these materials creates additional concerns due to the increase in distance from the magnets. Contact your magnetron sputter cathode supplier or reference your equipment manual for additional information.

May be packaged in oil — Due the highly reactive nature of these materials, packaging in oil is required to reduce the opportunity for oxidation or other reaction. Please reference www.lesker.com for the recommended cleaning procedure.

Porosity — Some materials and manufacturing methods may yield product with higher than average porosity. Performance may be affected according to process requirements.

Surface imperfections — Some materials and manufacturing methods may yield product with surface imperfections. In many cases, these imperfections are merely visual defects. Performance may be affected according to process requirements.

TREM — Purity for these materials is calculated accounting for Trace Rare Earth Metals. Non-rare earth elements may be excluded from the total purity calculation.

➤ Aluminum Pellets & Wire

IN THIS SECTION ➤

Pellets & Pieces

- We sell these pellets and pieces by unit weight for evaporation use in deposition processes. These approximate materials prices are published to provide budgetary guidelines. Actual prices can vary and may be higher or lower, as determined by availability and market fluctuations. Please contact sales@lesker.com for current materials pricing.



Aluminum, Al



Aluminum, Al



Aluminum, Al

Aluminum, Al

■ Aluminum, Al: Pellets & Pieces

Size	Aluminum, Al (99.999% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMAL50EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMAL50EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMAL50EXED	•	Call
1/8" Diameter x 1/8" Length	200 g	EVMAL50EXEH	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMAL50EXEJ	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMAL50EXE	•	Call
1/8" Diameter x 1/4" Length	50 g	EVMAL50EXQB	•	Call
1/8" Diameter x 1/4" Length	100 g	EVMAL50EXQD	•	Call
1/8" Diameter x 1/4" Length	250 g	EVMAL50EXQJ	•	Call
1/8" Diameter x 1/4" Length	1 lb.	EVMAL50EXQ	•	Call
1/4" Diameter x 1/4" Length	25 g	EVMAL50QXQ-A	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMAL50QXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMAL50QXQ-D	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMAL50QXQ-J	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMAL50QXQ	•	Call
1/4" Diameter x 1/2" Length	50 g	EVMAL50QXHB	•	Call
1/4" Diameter x 1/2" Length	100 g	EVMAL50QXHD	•	Call
1/4" Diameter x 1/2" Length	250 g	EVMAL50QXHJ	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMAL50QXH	•	Call
1/4" Diameter x 1/2" Length	1 kg	EVMAL50QXHKG	•	Call
Aluminum, Al (99.99% Purity)				
1/8" Diameter x 1/8" Length	25 g	EVMAL40EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMAL40EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMAL40EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMAL40EXEJ	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMAL40EXE	•	Call
1/8" Diameter x 1/4" Length	1 lb.	EVMAL40EXQ	•	Call
1/4" Diameter x 1/4" Length	25 g	EVMAL40QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMAL40QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMAL40QXQD	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMAL40QXQJ	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMAL40QXQ	•	Call
1/4" Diameter x 1/4" Length	1 kg	EVMAL40QXQKG	•	Call
1/4" Diameter x 1/2" Length	50 g	EVMAL40QXHB	•	Call
1/4" Diameter x 1/2" Length	100 g	EVMAL40QXHD	•	Call
1/4" Diameter x 1/2" Length	250 g	EVMAL40QXHJ	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMAL40QXH	•	Call
1/4" Diameter x 1/2" Length	1 kg	EVMAL40QXHKG	•	Call
Alloy Aluminum (99.95% Purity)				
1/4" Diameter x 1/2" Length	1 lb.	EVMAL1199QXH	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMAL1199QXQ	•	Call
120–130 mg Pieces	10,000 Pieces	EVMAL1199SLG	•	Call

■ Aluminum, Al: Wire

Size	Aluminum, Al (99.999% Purity) Amount	Part No.	Stocked Item	Price
1.0 mm (0.040") Diameter	100 m	EVMAL50040	•	Call
1.0 mm (0.040") Diameter	1 ft.	EVMAL50040FT	•	Call
1.5 mm (0.060") Diameter	1 lb.	EVMAL50.062	•	Call
Aluminum, Al (99.99% Purity)				
1.0 mm (0.040") Diameter	1 ft.	EVMAL40040	•	Call
1.5 mm (0.060") Diameter	1 lb.	EVMAL40060	•	Call

NOTE: Bulk Al Metallizing Wire—We are able to supply large quantities of metallizing wire for Production customers using these products. These products are very custom due to specific spool sizes, wire diameter, purity, and temper. Please contact materials@lesker.com for more information regarding these products.

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Deposition Materials

➤ Aluminum Canes, Clips & Crimps

■ Aluminum, Al: High-Purity Canes

Weight per Cane	Parts/lb.	Aluminum, Al (99.99% Purity) Amount	Part No.	Stocked Item	Price
127–137 mg	3,440	5,000 Pieces	EVMAL1199132	•	Call
160–170 mg	2,750	5,000 Pieces	EVMAL1199165		Call
243–253 mg	1,830	5,000 Pieces	EVMAL1199248		Call
367–377 mg	1,220	5,000 Pieces	EVMAL1199372	•	Call
470–480 mg	950	2,500 Pieces	EVMAL1199475	•	Call
495–505 mg	910	2,500 Pieces	EVMAL1199500	•	Call
595–605 mg	760	2,500 Pieces	EVMAL1199600		Call



Aluminum, Al

■ Aluminum, Al: Canes, Bulk Package

Weight per Cane	Aluminum, Al (99.88% Purity) Amount	Part No.	Stocked Item	Price
222–232 mg	24-lb. Box	EVMAL1188227		Call
300–310 mg	24-lb. Box	EVMAL1188305		Call
320–330 mg	24-lb. Box	EVMAL1188325		Call
370–380 mg	24-lb. Box	EVMAL1188375		Call
420–430 mg	24-lb. Box	EVMAL1188425		Call
465–475 mg	24-lb. Box	EVMAL1188470		Call
555–565 mg	24-lb. Box	EVMAL1188560		Call

■ Aluminum, Al: Clips

Weight per Clip	Parts/lb.	Aluminum, Al (99.99% Purity) Amount	Part No.	Stocked Item	Price
49–51 mg	9,070	10,000 Pieces	EVMAL1199U50		Call
63–67 mg	6,980	10,000 Pieces	EVMAL1199U65		Call
109–121 mg	3,940	10,000 Pieces	EVMAL1199U15	•	Call
Aluminum, Al (99.5% Purity)					
68–79 mg	6,210	10,000 Pieces	EVMAL1350U73		Call
95–105 mg	4,540	10,000 Pieces	EVMAL1350U10		Call
117–130 mg	3,660	5,000 Pieces	EVMAL1350U12		Call
242–258 mg	1,810	5,000 Pieces	EVMAL1350U25	•	Call



Aluminum, Al

■ Aluminum, Al: Crimps

Weight per Crimp	Parts/lb.	Aluminum, Al (99.5% Purity) Amount	Part No.	Stocked Item	Price
68–79 mg	6,150	10,000 Pieces	EVMAL135073V		Call
125–139 mg	3,440	5,000 Pieces	EVMAL1350632		Call
386–406 mg	1,150	10,000 Pieces	EVMAL1350396		Call
Aluminum, Al (99% Purity)					
21–25 mg	21,400	10,000 Pieces	EVMAL1100212		Call
30–35 mg	14,310	10,000 Pieces	EVMAL1100317		Call
35–40 mg	12,360	10,000 Pieces	EVMAL1100367		Call

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Deposition Materials

➤ Aluminum Oxide, Antimony, Barium, Bismuth, Boron & Boron Carbide



Aluminum Oxide, Al_2O_3

■ Aluminum Oxide, Al_2O_3 : Pieces

Size	Aluminum Oxide, Al_2O_3 (99.99% Purity) Amount	Part No.	Stocked Item	Price
1.5mm - 4mm Pieces	50 g	EVMALO-1220B	•	Call
1.5mm - 4mm Pieces	100 g	EVMALO-1220D	•	Call
1.5mm - 4mm Pieces	500 g	EVMALO-1220T		Call
1.5mm - 4mm Pieces	1 kg	EVMALO-1220KG		Call
1mm - 2.5mm Pieces	1 kg	EVMALO-1-2.5	•	Call
2mm - 12mm Pieces	50 g	EVMALO-1230B	•	Call
2mm - 12mm Pieces	100 g	EVMALO-1230D	•	Call
2mm - 12mm Pieces	500 g	EVMALO-1230T		Call
2mm - 12mm Pieces	1 kg	EVMALO-1230KG		Call

■ Antimony, Sb: Pieces

Size	Antimony, Sb (99.999% Purity) Amount	Part No.	Stocked Item	Price
1mm - 3mm Pieces	25 g	EVMSB501141A		Call
1mm - 3mm Pieces	100 g	EVMSB501141D		Call
1mm - 3mm Pieces	1 lb.	EVMSB501141		Call
1mm - 3mm Pieces	50 g	EVMSB501141B		Call
1mm - 3mm Pieces	500 g	EVMSB501141T		Call
3mm - 6mm Pieces	25 g	EVMSB5036MMA	•	Call

■ Barium, Ba: Pieces (May Be Packed In Oil)

Size	Barium, Ba (99.5% Purity) Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	50 g	EVMB3-6MMB		Call
3mm - 6mm Pieces	100 g	EVMB3-6MMD		Call
3mm - 6mm Pieces	200 g	EVMB3-6MM		Call

■ Bismuth, Bi: Pieces

Size	Bismuth, Bi (99.999% Purity) Amount	Part No.	Stocked Item	Price
2mm - 4mm Pieces	50 g	EVMBI2-4MMB	•	Call
2mm - 4mm Pieces	100 g	EVMBI2-4MMD	•	Call
2mm - 4mm Pieces	200 g	EVMBI502-4MM		Call
2mm - 4mm Pieces	500 g	EVMBI2-4MMT		Call

■ Boron, B: Pieces

Size	Boron, B (99.5% Purity) Amount	Part No.	Stocked Item	Price
3mm - 8mm Pieces	50 g	EVMBX3-8MMB		Call
3mm - 8mm Pieces	100 g	EVMBX3-8MMD		Call
Approx. 3mm Pieces	100 g	EVMBX253MMD		Call

NOTE: Please contact our Materials Department at materials@lesker.com or fax us at 412-384-2573 for pricing and availability.

■ Boron Carbide, B_4C : Pieces

Size	Boron Carbide, B_4C (99.5% Purity) Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	100g	EVMBBC2536D		Call
3mm - 6mm Pieces	250g	EVMBBC2536J		Call
3mm - 6mm Pieces	1kg	EVMBBC2536KG		Call
3mm - 12mm Pieces	500g	EVMBBC25312T		Call

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Deposition Materials

Kurt J. Lesker
Company

Certified ISO 9001:2008

- Quality Products & Services
- On-time Delivery
- Continual Improvement
- Effective Employee Training
- Customer Satisfaction

Providing Quality
You Can Trust
for Over 55 Years!

➤ Calcium, Cerium, Chromium, Chromium Oxide & Chromium Plated Tungsten

■ Calcium, Ca: Pieces (May Be Packed In Oil)

Size	Calcium, Ca (99.0%–99.5% Purity) Amount	Part No.	Stocked Item	Price
-6 mesh (Mg <0.5%)	100 g	EVMCA25-6MD		Call
Calcium, Ca (99% Purity)				
Approximately 3mm	25 g	EVMCA203MMA	•	Call
Approximately 3mm	50g	EVMCA203MMB		Call
Approximately 3mm	100g	EVMCA203MMD		Call

■ Cerium, Ce: Pieces (May Be Packed In Oil)

Size	Cerium, Ce (99.9% Purity TREM) Amount	Part No.	Stocked Item	Price
1mm - 3mm Pieces	50 g	EVMCEX1-3MMB		Call
2mm - 6mm Pieces	250 g	EVMCEX2-6MMJ		Call

■ Chromium, Cr: Pieces

Size	Chromium, Cr (99.998% Purity) Amount	Part No.	Stocked Item	Price
1mm - 6mm Pieces	25 g	EVMCR48-A	•	Call
1mm - 6mm Pieces	50 g	EVMCR48-B	•	Call
1mm - 6mm Pieces	100 g	EVMCR48-D	•	Call
1mm - 6mm Pieces	200 g	EVMCR48-H	•	Call
1mm - 6mm Pieces	250 g	EVMCR48-J	•	Call
1mm - 6mm Pieces	500 g	EVMCR48-T		Call
1mm - 6mm Pieces	1 lb.	EVMCR48		Call
1mm - 6mm Pieces	1 kg	EVMCR48KG		Call
Chromium, Cr (99.95% Purity)				
0.8mm - 6mm Pieces	25 g	EVMCR35A	•	Call
0.8mm - 6mm Pieces	50 g	EVMCR35B	•	Call
0.8mm - 6mm Pieces	100 g	EVMCR35D	•	Call
0.8mm - 6mm Pieces	250 g	EVMCR35J	•	Call
0.8mm - 6mm Pieces	1 lb.	EVMCR35	•	Call
0.8mm - 6mm Pieces	1 kg	EVMCR35KG		Call



Chromium, Cr

■ Chromium Oxide, Cr₂O₃: Pieces

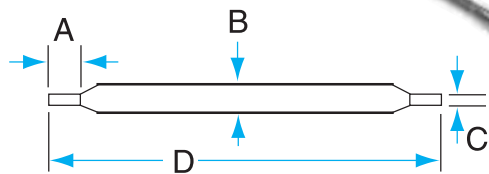
Size	Chromium Oxide, Cr ₂ O ₃ (99.7% Purity) Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	500g	EVMCROX3-6MM		Call
3mm - 6mm Pieces	250g	EVMCROX3-6MMJ		Call
3mm - 6mm Pieces	1kg	EVMCROX3-6MMKG		Call

■ Chromium Plated Tungsten Rods

Used to produce thin films of chromium by evaporation in the electronics and optics industries.

Advantages over chromium chips:

- Good thermal efficiency
- Better regulation of film thickness
- Elimination of spalling



Description	# Per Pack	Dimensions				Volts	Amps.	Watts	Temp.	Part No.	Stocked Item	Price
		A	B	C	D							
Chromium-Plated Tungsten Rods	5	0.50"	0.070"	0.050"	2"	1.05	78	82	1800° C	EVSCRW1		Call
	5	0.50"	0.070"	0.050"	4"	2.02	78	158	1800° C	EVSCRW2		Call
	5	0.50"	0.070"	0.050"	6"	2.40	77	185	1800° C	EVSCRW3		Call

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Deposition Materials

➤ Cobalt, Copper, Dysprosium & Erbium



Cobalt, Co

■ Cobalt, Co: Pellets

Size	Cobalt, Co (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMCO35EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMCO35EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMCO35EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMCO35EXEJ	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMCO35EXE	•	Call
1/4" Diameter x 1/4" Length	25 g	EVMCO35QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMCO35QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMCO35QXQD	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMCO35QXQJ	•	Call
1/4" Diameter x 1/4" Length	1 lb./454 g	EVMCO35QXQ	•	Call

■ Copper, Cu: Pellets

Size	Copper, Cu (99.999% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMCU50EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMCU50EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMCU50EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMCU50EXEJ	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMCU50EXE	•	Call
1/4" Diameter x 1/4" Length	25 g	EVMCU50QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMCU50QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMCU50QXQD	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMCU50QXQJ	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMCU50QXQ	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMCU50QXH	•	Call
Copper, Cu (99.99% Purity)				
1/8" Diameter x 1/8" Length	25 g	EVMCU40EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMCU40EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMCU40EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMCU40EXEJ	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMCU40EXE	•	Call
1/8" Diameter x 1/4" Length	1 lb.	EVMCU40EXQ	•	Call
1/8" Diameter x 1/4" Length	1 kg	EVMCU40EXQKG	•	Call
1/4" Diameter x 1/4" Length	25 g	EVMCU40QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMCU40QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMCU40QXQD	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMCU40QXQJ	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMCU40QXQ	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMCU40QXH	•	Call



Copper, Cu

■ Dysprosium, Dy: Pieces (May Be Packed In Oil)

Size	Dysprosium, Dy (99.9% Purity TREM) Amount	Part No.	Stocked Item	Price
< 5mm	100 g	EVMDYX5MM-D	•	Call

■ Erbium, Er: Pieces (May Be Packed In Oil)

Size	Erbium, Er (99.9% Purity TREM) Amount	Part No.	Stocked Item	Price
< 5mm	100 g	EVMERX5MM-D	•	Call
< 5mm	300 g	EVMERX3MM-L	•	Call

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Deposition Materials

➤ Gadolinium, Gold & Gold Alloy

■ Gadolinium, Gd: Pellets (May Be Packed In Oil)

Size	Gadolinium, Gd (99.9% Purity TREM) Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	100 g	EVMGD3036MMD		Call
Approx. 1/8" x 1/8" Pieces	25 g	EVMGD30EXE-A		Call

■ Gold, Au: Pellets & Wire



Gold, Au (99.999% Purity)				Price Each per Gram				
Size	Amount	Part No.	Stocked Item	1-9	10-49	50-99	100-299	300+
1/8" Diameter x 1/8" Length		EVMAUX50G	•	Call	Call	Call	Call	Call
Price Each per Pellet (Approx. 3.8 Grams)								
Size	Amount	Part No.	Stocked Item	1-3	4-11	12-24	25-74	75+
1/4" Diameter x 1/4" Length		EVMAU50QXQ	•	Call	Call	Call	Call	Call
Gold, Au (99.99% Purity)				Price Each per Gram				
Size	Amount	Part No.	Stocked Item	1-9	10-49	50-99	100-299	300+
Up to 4 mm Pieces		EVMAU40SHOT	•	Call	Call	Call	Call	Call
1/8" Diameter x 1/8" Length		EVMAUX40G	•	Call	Call	Call	Call	Call
Price Each per Pellet								
Size	Amount	Part No.	Stocked Item	1-3	4-11	12-24	25-74	75+
1/4" Diameter x 1/4" Length		EVMAU40QXQ	•	Call	Call	Call	Call	Call
Gold, Au Wire (99.99% Purity)				Price Each per Gram				
Size	Amount	Part No.	Stocked Item	1-19	20-49	50+		
1mm Diameter Wire		EVMAU40040	•	Call	Call	Call		
Price Each per Foot (Approx. 1.1 Grams)								
Size	Amount	Part No.	Stocked Item	1-19				
0.5mm Diameter Wire		EVMAU40020	•	Call				

■ Gold Alloys; Pellets & Pieces

Gold-Germanium, 88/12 wt% (99.99% Purity)				
Size	Amount	Part No.	Stocked Item	Price
Approx. 1/8" x 1/8" Pieces	1g	EVMAUGE40EXE	•	Call
Approx. 1/4" x 1/4" Pieces	1pellet	EVMAUGE40QXQ		Call
Gold-Alloy Tin, 74/26 wt% (99.99% Purity)				
Size	Amount	Part No.	Stocked Item	Price
Approx. 1/8" x 1/8" Pieces	1g	EVMAUSN7426		Call

➤ Hafnium, Hafnium Oxide, Indium & Indium Tin Oxide

■ Hafnium, Hf: Pellets & Pieces

Size	Hafnium, Hf (99.9% Purity ex. Zr) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMHF30EXEA		Call
1/8" Diameter x 1/8" Length	50 g	EVMHF30EXEB		Call
1/8" Diameter x 1/8" Length	100 g	EVMHF30EXED		Call
1/8" Diameter x 1/8" Length	250 g	EVMHF30EXEJ		Call
1/8" Diameter x 1/8" Length	1 lb.	EVMHF30EXE		Call
1/8" Diameter x 1/4" Length	25 g	EVMHF30QXQA		Call
1/8" Diameter x 1/4" Length	50 g	EVMHF30QXQB		Call
1/8" Diameter x 1/4" Length	100 g	EVMHF30QXQD	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMHF30QXQ		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMHF30QXH		Call
Random Turnings	1 lb.	EVMHFPieces		Call

■ Hafnium Oxide, HfO₂: Pellets & Tablets

Size	HafniumOxide, HfO ₂ (99.9% Purity) Amount	Part No.	Stocked Item	Price
1mm - 3mm Pieces	50g	EVMHFO21-3B		Call
1mm - 3mm Pieces	100g	EVMHFO21-3D		Call
1mm - 3mm Pieces	200g	EVMHFO21-3H		Call
10-12 Diameter x 4-5mm Thick	50g	EVMHFO2TABB		Call
10-12 Diameter x 4-5mm Thick	100g	EVMHFO2TABD		Call
10-12 Diameter x 4-5mm Thick	1kg	EVMHFO2TABKG		Call
10-12 Diameter x 4-5mm Thick	500g	EVMHFO2TABT		Call

■ Indium, In: Pellets & Wire

Size	Indium, In (99.99% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMIN40EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMIN40EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMIN40EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMIN40EXEJ		Call
1/8" Diameter x 1/8" Length	1 lb.	EVMIN40EXE		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMIN40QXH		Call
1/4" Diameter x 1/4" Length	1 lb.	EVMIN40QXQ		Call
Indium, In: Wire (99.999% Purity)				
1mm Diameter	2m	EVMIN500402M	•	Call
Indium, In: Wire (99.99% Purity)				
1mm Diameter	1m	EVMIN400401M	•	Call



Indium, In



Indium Tin Oxide, ITO

■ Indium Tin Oxide, ITO: Pieces

Size per Piece	Indium Tin Oxide, ITO: 90/10 wt% (99.99% Purity) Amount	Part No.	Stocked Item	Price
1/8" - 1/4"	25 g	EVMITO40A	•	Call
1/8" - 1/4"	50 g	EVMITO40B	•	Call
1/8" - 1/4"	100 g	EVMITO40D	•	Call
1/8" - 1/4"	250 g	EVMITO40J	•	Call
1/8" - 1/4"	1 lb.	EVMITO40	•	Call
1/8" - 1/4"	1 kg	EVMITO40KG		Call

NOTE: Our "ITO" is of exceptional quality and is manufactured by sintering. This technique provides maximum densities and similar performance-related benefits.

➤ Iridium, Iron, Lead, Lithium, Lithium Fluoride & Magnesium

■ Iridium, Ir: Pellets

Size	Iridium, Ir (99.8% Purity) Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	25g	EVMIR3036A		Call
3mm - 6mm Pieces	50g	EVMIR3036B		Call
3mm - 6mm Pieces	100g	EVMIR3036D		Call
3mm - 6mm Pieces	100g	EVMIR30QXQB		Call

■ Iron, Fe: Pellets

Size	Iron, Fe (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMFE35EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMFE35EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMFE35EXED	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMFE35EXE		Call
1/4" Diameter x 1/4" Length	50 g	EVMFE35QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMFE35QXQD		Call
1/4" Diameter x 1/4" Length	200 g	EVMFE35QXQH	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMFE35QXQ	•	Call



Iron, Fe

■ Lead, Pb: Pieces & Pellets

Size	Lead, Pb (99.999% Purity) Amount	Part No.	Stocked Item	Price
2mm - 3mm Shot	100 g	EVMPB503MMD	•	Call
2mm - 3mm Shot	200 g	EVMPB503MMH	•	Call
2mm - 3mm Shot	500 g	EVMPB503MMT		Call
2mm - 3mm Shot	1 kg	EVMPB503MMKG		Call



Lead, Pb

■ Lithium, Li: Pieces (May Be Packed In Oil)

Size	Lithium, Li (99% Purity) Amount	Part No.	Stocked Item	Price
Approx. 1/8" x 1/8" Pieces	25g	EVMLI30EXE-A		Call
Approx. 1/8" x 1/8" Pieces	100g	EVMLI30EXE-D		Call
Approx. 1/4" x 1/4" Pieces	25g	EVMLI30QXQ-A		Call

■ Lithium Fluoride, LiF: Powder & Pieces

Size	Lithium Fluoride, LiF (99.9% Purity) Amount	Part No.	Stocked Item	Price
325 Mesh Powder	250g	EVMLIFL-325		Call
3mm - 6mm Pieces	100g	EVMLIF3-6M		Call

* Hazardous Shipping

■ Magnesium, Mg: Pellets & Pieces

Size	Magnesium, Mg (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/4" Diameter x 1/4" Length	25 g	EVMMG35QXQ-A	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMMG35QXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMMG35QXQ-D	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMMG35QXQ-J		Call
1/4" Diameter x 1/4" Length	1 lb.	EVMMG35QXQ		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMMG35QXH		Call

Size	Magnesium, Mg (99.99% Purity) Amount	Part No.	Stocked Item	Price
1mm - 5mm Pieces	500 g	EVMMG401-5MM		Call
1mm - 5mm Pieces	100g	EVMMG401-5MMD		Call
1mm - 5mm Pieces	1kg	EVMMG401-5KG		Call



Magnesium, Mg

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Deposition Materials

➤ Magnesium Compounds, Manganese & Molybdenum

Magnesium Fluoride, MgF₂

■ Magnesium Fluoride, MgF₂: Pieces

Magnesium Fluoride, MgF ₂ (99.999% Purity)				
Size	Amount	Part No.	Stocked Item	Price
1mm-4mm Pieces	100 g	EVMMGF501-4D		Call
1mm-4mm Pieces	500 g	EVMMGF501-4T		Call
Magnesium Fluoride, MgF ₂ (99.99% Purity)				
1mm-2.5mm Pieces	1 kg	EVMMGF-1-2.5	•	Call
Magnesium Fluoride, MgF ₂ ; Calcium, Ca and Sodium, Na <1% Combined (99.9% Purity)				
3mm-6mm Pieces (Melted)	50 g	EVMMGF-1113B	•	Call
3mm-6mm Pieces (Melted)	100 g	EVMMGF-1113D		Call
3mm-6mm Pieces (Melted)	500 g	EVMMGF-1113T		Call
3mm-6mm Pieces (Melted)	1 kg	EVMMGF1113KG		Call
Magnesium Fluoride, MgF ₂ ; Excluding Calcium, Ca and Sodium, Na (99.8% Purity)				
-200 Mesh	1 g (20g min. order)	EVMMGF230G	•	Call
-200 Mesh	250 g	EVMMGF230J		Call
-200 Mesh	1 kg	EVMMGF230KG		Call

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Deposition Materials

■ Magnesium Oxide, MgO: Pieces

Magnesium Oxide, MgO; Calcium, Ca <750 ppm (99.95% Purity)				
Size	Amount	Part No.	Stocked Item	Price
3mm-6mm Pieces (Melted)	50 g	EVMMGO3-6MMB		Call
3mm-6mm Pieces (Melted)	500 g	EVMMGO3-6MMT		Call



Manganese, Mn

■ Manganese, Mn: Pieces

Manganese, Mn (99.99% Purity)				
Size	Amount	Part No.	Stocked Item	Price
3mm-12mm Pieces	200 g	EVMMNM1034H	•	Call
3mm-12mm Pieces	1 kg	EVMMNM1034		Call
3mm-12mm Pieces	50 g	EVMMNM1034B		Call



Molybdenum, Mo

■ Molybdenum, Mo: Pellets

Molybdenum, Mo (99.95% Purity)				
Size	Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	100 g	EVMMO35EXED	•	Call
1/8" Diameter x 1/8" Length	200 g	EVMMO35EXEJ		Call
1/8" Diameter x 1/8" Length	1 lb.	EVMMO35EXE		Call
1/8" Diameter x 1/4" Length	1 lb.	EVMMO35EXQ		Call
1/4" Diameter x 1/4" Length	25 g	EVMMO35QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMMO35QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMMO35QXQD	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMMO35QXQ	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMMO35QXH		Call

► Neodymium, Nickel, Nickel Alloys & Niobium

■ Neodymium, Nd: Pellets (May Be Packed In Oil)

Size	Neodymium, Nd (99.9% Purity TREM) Amount	Part No.	Stocked Item	Price
1mm-6mm Pieces	100 g	EVMND1-6MMD		Call

■ Nickel, Ni: Pellets & Wire

Size	Nickel, Ni (99.995% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMNI45EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMNI45EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMNI45EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMNI45EXEJ	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMNI45EXE	•	Call
1/8" Diameter x 1/4" Length	1 lb.	EVMNI45EXQ		Call
1/4" Diameter x 1/4" Length	25 g	EVMNI45QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMNI45QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMNI45QXQD	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMNI45QXQJ	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMNI45QXQ	•	Call
1/4" Diameter x 1/2" Length	100 g	EVMNI45QXHD	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMNI45QXH		Call
Nickel, Ni (99.98% Purity)				
1/8" Diameter x 1/8" Length	25 g	EVMNI38EXEA	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMNI38EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMNI38EXED	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMNI38EXE	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMNI38QXQ		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMNI38QXH	•	Call
Nickel, Ni: Wire (99.6%Purity)				
0.020" Diameter (0.50mm)	1 ft.	EVMNI26.020		Call
Nickel, Ni: Wire (99.98% Purity)				
0.020" Diameter (0.50mm)	1 ft.	EVMNI38020	•	Call

■ Nickel/Chromium, Ni/Cr: Canes

We sell nickel-chromium canes for evaporation in deposition processes in bags of 2,500. They have a nickel to chromium ratio of 80/20 wt. %

Size	Nickel/Chromium, Ni/Cr: Canes 80/20 wt% (99.9% Purity) Amount	Part No.	Stocked Item	Price
490mg-510mg	2,500 per Bag	EVMNICR500	•	Call

■ Nickel Iron, Ni/Fe: Pellets & Pieces

Size	Nickel Iron, Ni/Fe 81/19 wt% (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25g	EVMNIFEEXE-A		Call
1/4" Diameter x 1/4" Length	100g	EVMNIFEQXQ-D		Call

■ Niobium, Nb: Pellets & Wire

Size	Niobium, Nb (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	50 g	EVMNB35EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMNB35EXED		Call
1/8" Diameter x 1/8" Length	1 lb.	EVMNB35EXE		Call
1/8" Diameter x 1/4" Length	1 lb.	EVMNB35EXQ		Call
1/4" Diameter x 1/4" Length	1 lb.	EVMNB35QXQ		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMNB35QXH		Call
Niobium, Nb: Wire (99.95% Purity)				
0.020" Diameter	Per ft., 10 min.	EVMNB.020		Call



Nickel, Ni



Nickel, Ni



Nickel, Ni



Niobium, Nb

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Deposition Materials

➤ Palladium, Permalloy, Platinum & Rhenium

■ Palladium, Pd: Pellets

Size	Amount	Palladium, Pd (99.95% Purity)		Price Each per Quantity				
		Part No.	Stocked Item	1-9	10-49	50-99	100-299	300+
1/8" Diameter x 1/8" Length	Per Gram	EVMPD35SHOT	•	Call	Call	Call	Call	Call
Size	Amount	Part No.	Stocked Item	1-4	5-12	13-25	26-75	75+
1/4" Diameter x 1/4" Length	Per Pellet (Approx. 2.3 g Each)	EVMPD35QXQ	•	Call	Call	Call	Call	Call



Palladium, Pd

■ Palladium, Pd: Wire

Size	Amount	Palladium, Pd (99.95% Purity)		Price
		Part No.	Stocked Item	
0.020" Diameter	Per ft.	EVMPD35.020	•	Call
0.040" Diameter	Per ft.	EMPD35.040	•	Call

■ Permalloy Hymu 80 (Ni/Fe/Mo/Mn): Pellets

Size	Amount	Permalloy, Hymu 80, Ni/Fe/Mo/Mn (Commercial Purity)		Price
		Part No.	Stocked Item	
1/4" Diameter x 1/4" Length	50 g	EVMPERMQXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMPERMQXQ-D	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMPERM35QXQ	•	Call

* Refer to page 10-44, for Nickel Iron Ni/Fe 81/19 wt%.

■ Platinum, Pt: Pellets

Size	Amount	Platinum, Pt (99.99% Purity)		Price Each per Quantity				
		Part No.	Stocked Item	1-9	10-49	50-99	100-299	300+
1/8" Diameter x 1/8" Length	Per Gram	EVMPPT40SHOT	•	Call	Call	Call	Call	Call
Size	Amount	Part No.	Stocked Item	1-4	5-12	13-25	26-75	75+
1/4" Diameter x 1/4" Length	Per Pellet (Approx. 4 g Each)	EVMPPT40QXQ	•	Call	Call	Call	Call	Call



Platinum, Pt

■ Platinum, Pt: Wire

Size	Amount	Platinum, Pt (99.99% Purity)		Price
		Part No.	Stocked Item	
0.020" Diameter	Per ft.	EVMPPT40020	•	Call

■ Platinum, Pt: Foil

Size	Amount	Platinum, Pt (99.99% Purity)		Price
		Part No.	Stocked Item	
2" x 2" x 0.1mm Thickness	Each	EVMPPT2X2.1MM	•	Call
3" Diameter x 0.2mm Thickness	Each	EVMPPT3X.2MM	•	Call

NOTE: Foils tend to be custom-sized. Please contact our Materials Department by e-mail, materials@lesker.com or fax us at 412-384-2573 for details.

■ Rhenium, Re: Pieces

NOTE: Call for Pricing.

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Deposition Materials



Platinum, Pt

➤ Rhodium, Ruthenium, Samarium, Scandium & Selenium

■ Rhodium, Rh: Pieces

Size	Rhodium, Rh (99.95% Purity) Amount	Part No.	Stocked Item	Price
3mm-6mm Pieces	10 g	EVMRH3-610GR		Call
3mm-6mm Pieces	25 g	EVMRHXX3-6MM		Call

■ Ruthenium, Ru: Pieces

Size	Ruthenium, Ru (99.95% Purity) Amount	Part No.	Stocked Item	Price
0.1"-0.5" Pieces	25 g	EVMRU350.5-A		Call
0.1"-0.5" Pieces	200 g	EVMRUX.1-.5H		Call
0.1"-0.5" Pieces	50 g	EVMRUX.1-.5B		Call
0.1"-0.5" Pieces	100 g	EVMRUX.1-.5D		Call

■ Samarium, Sm: Pieces (May Be Packed In Oil)

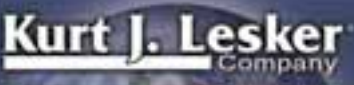
Size	Samarium, Sm (99.9% Purity) TREM Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	1 lb.	EVMSM3-6MM		Call
3mm - 6mm Pieces	25 g	EVMSM3-6MMA		Call
3mm - 6mm Pieces	50 g	EVMSM3-6MMB		Call
3mm - 6mm Pieces	100 g	EVMSM3-6MMD		Call
3mm - 6mm Pieces	250 g	EVMSM3-6MMJ		Call
3mm - 6mm Pieces	1 kg	EVMSM3-6MMKG		Call
3mm - 6mm Pieces	500 g	EVMSM3-6MMT		Call

■ Scandium, Sc: Pieces

Size	Scandium, Sc (99.9% Purity) TREM Amount	Part No.	Stocked Item	Price
<0.5" Pieces	10 g	EVMSC55G		Call

■ Selenium, Se: Pieces

Size	Selenium, Se (99.999% Purity) Amount	Part No.	Stocked Item	Price
1mm-3mm Pieces	100 g	EVMSE1037		Call
1mm-3mm Pieces	500g	EVMSE1037-T		Call



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Deposition Materials

➤ Silicon, Silicon Compounds & Silver



Silicon, Si

Silicon Dioxide, SiO₂

Silicon Monoxide, SiO



Silver, Ag

■ Silicon, Si: Undoped Pieces

Size	Silicon, Si (99.999% Purity) Amount	Part No.	Stocked Item	Price
3mm-6mm Pieces	50 g	EVMSI1047B	•	Call
3mm-6mm Pieces	500 g	EVMSI1047T		Call

■ Silicon Dioxide, SiO₂: Pieces

Size	Silicon Dioxide, SiO ₂ (99.999% Purity) Amount	Part No.	Stocked Item	Price
1mm-5mm Pieces	100 g	EVMSIO21-5D	•	Call
1mm-5mm Pieces	1 lb.	EVMSIO21-5	•	Call
1mm-5mm Pieces	1 kg	EVMSIO21-5KG		Call
Silicon Dioxide, SiO ₂ (99.99% Purity)				
3mm-12mm Pieces	50 g	EVMSIO240B	•	Call
3mm-12mm Pieces	100 g	EVMSIO240D	•	Call
3mm-12mm Pieces	1 lb.	EVMSIO240		Call
3mm-12mm Pieces	1 kg	EVMSIO240KG		Call

■ Silicon Monoxide, SiO: Pieces

Size	Silicon Monoxide, SiO (99.99% Purity) Amount	Part No.	Stocked Item	Price
3mm-6mm Pieces	50 g	EVMSIO-1065B	•	Call
3mm-6mm Pieces	100 g	EVMSIO-1065D	•	Call
3mm-6mm Pieces	500 g	EVMSIO-1065T	•	Call
3mm-6mm Pieces	1 kg	EVMSIO1065KG		Call
Silicon Monoxide, SiO (99.97% Purity)				
2.5mm-5mm Pieces	1 kg	EVMSIO-2.5-5	•	Call

■ Silver, Ag: Pellets & Shot

Size	Silver, Ag (99.999% Purity) Amount	Part No.	Stocked Item	Price
1/4" Diameter x 1/4" Length	1 lb.	EVMAg50QXQ	•	Call
Silver, Ag (99.99% Purity)				
1/8" Diameter x 1/8" Length	25 g	EVMAg40EXE-A	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMAg40EXE-B	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMAg40EXE-D	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMAg40EXE-J	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMAg40EXE	•	Call
1/4" Diameter x 1/4" Length	25 g	EVMAg40QXQ-A	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMAg40QXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMAg40QXQ-D	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMAg40QXQ-J	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMAg40QXQ		Call
4mm Pieces or Smaller	1 g	EVMAg40SHOT1	•	Call

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Deposition Materials

► Silver, Stainless Steel, Strontium & Tantalum

■ Silver, Ag: Wire

Size	Silver, Ag (99.99% Purity) Amount	Part No.	Stocked Item	Price
0.062" Diameter Wire	1 lb.	EVMAG50.062		Call
1.0mm Diameter	10m	EVMAG401.0MM	•	Call
1.5mm Diameter	10m	EVMAG401.5MM	•	Call

■ Stainless Steel, 316: Canes

Size	Stainless Steel, 316 (304 Grade) Amount	Part No.	Stocked Item	Price
Approx. 500mg	2500g	EVMS316500		Call

■ Strontium, Sr: Pieces (May Be Packed In Oil)

Size	Strontium, Sr (99% Purity) Amount	Part No.	Stocked Item	Price
3mm-6mm Pieces	50 g	EVMSR3-6MMB		Call

■ Tantalum, Ta: Pellets

Size	Tantalum, Ta (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	50 g	EVMTA35EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMTA35EXED	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMTA35EXEJ		Call
1/8" Diameter x 1/8" Length	1 lb.	EVMTA35EXE		Call
1/4" Diameter x 1/4" Length	50 g	EVMTA35QXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMTA35QXQ-D	•	Call
1/4" Diameter x 1/4" Length	250 g	EVMTA35QXQ-J		Call
1/4" Diameter x 1/4" Length	1 lb.	EVMTA35QXQ		Call



Tantalum, Ta

■ Tantalum, Ta: Wire

Size	Tantalum, Ta (99.95% Purity) Amount	Part No.	Stocked Item	Price
1.0mm Diameter	Per ft. (10-ft. min.)	EVMTA35100		Call
2.0mm Diameter	Per ft. (10-ft. min.)	EVMTA35.080		Call



Tantalum, Ta

■ Tantalum, Ta: Foil

Size	Tantalum, Ta (99.95% Purity) Amount	Part No.	Stocked Item	Price
100mm x 100mm x 0.127mm Thickness	Each	EVMTA35127MM		Call

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Deposition Materials

► Tantalum Oxide, Tin, Tin Oxide & Titanium

■ Tantalum Oxide, Ta₂O₅: Pieces & Tablets

Size	Tantalum Oxide, Ta ₂ O ₅ (99.99% Purity) Amount	Part No.	Stocked Item	Price
1mm-5mm Pieces	1 kg	EVMTAO-1-5	•	Call
9mm Diameter x 3mm Thickness	1 kg	EVMTAO-9MM	•	Call
Tantalum Oxide, Ta ₂ O ₅ (99.95% Purity)				
8-9mm Diameter x 4-5mm Thickness	50 g	EVMTAO4.5MMB		Call
8-9mm Diameter x 4-5mm Thickness	100 g	EVMTAO4.5MMD		Call
8-9mm Diameter x 4-5mm Thickness	500 g	EVMTAO4.5MMT		Call
8-9mm Diameter x 4-5mm Thickness	1 kg	EVMTAO4.5MM		Call

■ Tin, Sn: Pellets

Size	Tin, Sn (99.998%-99.999% Purity) Amount	Part No.	Stocked Item	Price
1/4" Diameter x 1/4" Length	50 g	EVMSN50QXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMSN50QXQ-D	•	Call
1/4" Diameter x 1/4" Length	225 g	EVMSN50QXQ-I	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMSN50QXQ	•	Call
Tin, Sn (99.99% Purity)				
1/8" Diameter x 1/8" Length	50 g	EVMSN40EXEB	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMSN40EXED	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMSN40EXE		Call
1/8" Diameter x 1/4" Length	500 g	EVMSN40EXQ-T		Call

■ Tin Oxide, SnO₂: Pieces

Size	Tin, SnO ₂ (99.9% Purity) Amount	Part No.	Stocked Item	Price
3mm-12mm Pieces	50 g	EVMSNO3-12B	•	Call
3mm - 12mm Pieces	200 g	EVMSNO3-12H		Call

■ Titanium, Ti: Pellets

Size	Titanium, Ti (99.995% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMTI45EXE-A	•	Call
1/8" Diameter x 1/8" Length	50 g	EVMTI45EXE-B	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMTI45EXE-D	•	Call
1/8" Diameter x 1/8" Length	250 g	EVMTI45EXE-J	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMTI45EXE		Call
1/8" Diameter x 1/4" Length	1 lb.	EVMTI45EXQ		Call
1/4" Diameter x 1/4" Length	25 g	EVMTI45QXQA	•	Call
1/4" Diameter x 1/4" Length	50 g	EVMTI45QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMTI45QXQD	•	Call
1/4" Diameter x 1/4" Length	225 g	EVMTI45QXQI	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMTI45QXQ	•	Call
1/4" Diameter x 1/2" Length	1 lb.	EVMTI45QXH	•	Call

■ Titanium, Ti: Wire

Size	Titanium, Ti (99.98% Purity) Amount	Part No.	Stocked Item	Price
0.020" Diameter	Per ft.	EVMTI38020	•	Call
1.0mm Diameter	1m	EVMTI381MM1M	•	Call
Titanium, Ti (99.995% Purity)				
0.020" Diameter	75 ft.	EVMTI4502075	•	Call



Tin, Sn



Titanium, Ti

Titanium, Ti

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Deposition Materials

► Titanium Compounds, Tungsten & Tungsten Oxide

■ Titanium Dioxide, TiO_2 : Pieces & Tablets

Size	Titanium Dioxide, TiO_2 (99.9% Purity) White Amount	Part No.	Stocked Item	Price
3mm-6mm White, Sintered Pieces	50 g	EVMTIO230B	•	Call
3mm-6mm White, Sintered Pieces	100 g	EVMTIO230D	•	Call
3mm-6mm White, Sintered Pieces	1 lb.	EVMTIO230		Call
3mm-6mm White, Sintered Pieces	1 kg	EVMTIO230KG		Call
Size	Titanium Dioxide, TiO_2 (99.9% Purity) Black Amount	Part No.	Stocked Item	Price
10mm x 3mm Tablets	1 lb.	EVMTIO2310		Call
10mm x 3mm Tablets	50 g	EVMTIO2310B		Call
10mm x 3mm Tablets	100 g	EVMTIO2310D	•	Call
1-4mm Pieces	1 lb.	EVMTIO2314		Call
1-4mm Pieces	50 g	EVMTIO2314B	•	Call
1-4mm Pieces	100 g	EVMTIO2314D	•	Call
1-4mm Pieces	1 kg	EVMTIO2314KG	•	Call
3mm Tablets	1 kg	EVMTIO231KG		Call



Titanium Dioxide, TiO_2



Titanium Dioxide, TiO_2

■ Titanium Monoxide, TiO : Pieces and Tablets

Size	Titanium Monoxide (99.9% Purity) Amount	Part No.	Stocked Item	Price
8mm-9mm Diameter x 6mm -7mm Thick	50 g	EVMTIO30TABB		Call
8mm-9mm Diameter x 6mm -7mm Thick	1 kg	EVMTIO30TABKG		Call
3mm - 6mm Pieces	1 kg	EVMTIO3-6KG		Call

■ Tungsten, W: Pellets & Pieces

Size	Tungsten, W (99.95% Purity) Amount	Part No.	Stocked Item	Price
1/8" Diameter x 1/8" Length	25 g	EVMW35EXEA		Call
1/8" Diameter x 1/8" Length	50 g	EVMW35EXEB		Call
1/8" Diameter x 1/8" Length	100 g	EVMW35EXED	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EVMW35EXE		Call
1/4" Diameter x 1/4" Length	50 g	EVMW35QXQB		Call
1/4" Diameter x 1/4" Length	100 g	EVMW35QXQD	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMW35QXQ		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMW35QXH		Call
1mm - 3mm Pieces	50 g	EVMW351-3B		Call
1mm - 3mm Pieces	200g	EVMW351-3J	•	Call
1mm - 3mm Pieces	1kg	EVMW351-3KG		Call



Tungsten, W

■ Tungsten, W: Wire

Size	Tungsten, W (99.95% Purity) Amount	Part No.	Stocked Item	Price
0.005" Diameter	Per ft., 10-ft. min.	EVMW35.005		Call
0.2mm Diameter	10m	EVMW35.2MM	•	Call
0.5mm Diameter	10m	EVMW35.5MM	•	Call
1.0mm Diameter	5m	EVMW341MMX5M		Call



Tungsten, W

■ Tungsten Oxide, WO_3 : Pieces

Size	Tungsten Oxide, WO_3 (99.99%) Amount	Part No.	Stocked Item	Price
3mm-12mm Pieces	50 g	EVMWOX3-12B		Call
3mm-12mm Pieces	500 g	EVMWOX3-12T		Call

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Deposition Materials

► Vanadium, Ytterbium, Yttrium, Yttrium Fluoride & Zinc

■ Vanadium, V: Pellets

Size	Vanadium, V (99.7% Purity—Typical) Amount	Part No.	Stocked Item	Price
1/4" Diameter x 1/4" Length	100 g	EVMVX27QXQD		Call
1/4" Diameter x 1/4" Length	1 lb.	EVMVX27QXQ		Call
1/4" Diameter x 1/2" Length	1 lb.	EVMVX27QXH		Call
1/8" Diameter x 1/8" Length	100g	EVMVX27EXED		Call



Ytterbium, Yb

■ Ytterbium, Yb: Pieces (May Be Packed In Oil)

Size	Ytterbium (99.9% Purity TREM) Amount	Part No.	Stocked Item	Price
12mm (Approx)	50 g	EVMYB-1044B		Call
12mm (Approx)	200 g	EVMYB-1044H		Call
5mm (Approx)	100 g	EVMBX5MM-D		Call
3mm (Approx)	300 g	EVMBX3MM-L		Call

■ Yttrium, Y: Pieces (May Be Packed In Oil)

Size	Yttrium (99.9% Purity) Amount	Part No.	Stocked Item	Price
12mm & Less	10 g	EVMY3-1045		Call
12mm & Less	50 g	EVMY3-1045B		Call
12mm & Less	200 g	EVMY3-1045H		Call
1mm - 3mm Pieces	50 g	EVMYX1-3MMB		Call

■ Yttrium Fluoride, YF₃: Pieces

Size	Yttrium Fluoride, YF ₃ (99.9% Purity) Amount	Part No.	Stocked Item	Price
3mm-12mm Pieces	50 g	EVMYFL30312B		Call
3mm-12mm Pieces	100 g	EVMYFL30312D		Call
3mm-12mm Pieces	500 g	EVMYFL30312T		Call
3mm-12mm Pieces	1 kg	EVMYFL30312K		Call

Size	Yttrium Fluoride, YF ₃ (99.99% Purity) Amount	Part No.	Stocked Item	Price
1mm-5mm Pieces	100 g	EVMYFL401-5D		Call
1mm-5mm Pieces	1 kg	EVMYFL401-5KG		Call

■ Zinc, Zn: Pellets

Size	Zinc, Zn (99.99% Purity) Amount	Part No.	Stocked Item	Price
1/4" Diameter x 1/4" Length	50 g	EVMZN40QXQB	•	Call
1/4" Diameter x 1/4" Length	100 g	EVMZN40QXQD	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EVMZN40QXQ		Call



Zinc, Zn

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Deposition Materials

► Zinc Compounds, Zirconium & Zirconium Oxide

■ Zinc Oxide, ZnO: Powder & Tablets

Size	Zinc Oxide, ZnO (99.999% Purity Powder)		Stocked Item	Price
	Amount	Part No.		
-200 mesh	500 g	EVMZNOX50200		Call
-200 mesh	1 kg	EVMZNOX30200	•	Call
Zinc Oxide, ZnO (99.9% Purity Tablets)				
10mm–12mm x 4mm –5mm Tablets	50 g	EVMZNOX30TABB		Call
10mm–12mm x 4mm –5mm Tablets	500 g	EVMZNOX30TABT		Call



Zinc Oxide, ZnO

■ Zinc Sulfide, ZnS: Pieces

Size	Zinc Sulfide, ZnS (99.99% Purity)		Stocked Item	Price
	Amount	Part No.		
3mm Diameter x 12mm Length	50 g	EVMZNS40312B	•	Call
3mm Diameter x 12mm Length	100 g	EVMZNS40312D	•	Call
3mm Diameter x 12mm Length	500 g	EVMZNS40312T		Call
3mm Diameter x 12mm Length	1 kg	EVMZNS40312K		Call



Zinc Sulfide, ZnS

■ Zirconium, Zr: Pellets

Size	Zirconium, Zr (Grade 702)		Stocked Item	Price
	Amount	Part No.		
1/8" Diameter x 1/8" Length	25 g	EVMZR30EXEA	•	Call
1/8" Diameter x 1/8" Length	100 g	EVMZR30EXED		Call
1/8" Diameter x 1/8" Length	1 lb.	EVMZR30EXE		Call
1/4" Diameter x 1/4" Length	25 g	EVMZR30QXQA		Call
1/4" Diameter x 1/4" Length	100 g	EVMZR30QXQD		Call
1/4" Diameter x 1/4" Length	1 lb.	EVMZR30QXQ		Call



Zirconium, Zr

■ Zirconium Oxide, ZrO₂: Pieces & Tablets

Size	Zirconium Oxide, ZrO ₂ (99.7% Purity Pieces)		Stocked Item	Price
	Amount	Part No.		
3mm-12mm Pieces	500 g	EVMZRO273-12		Call
Zirconium Oxide, ZrO ₂ (99.9% Purity Tablets)				
18mm Diameter x 8mm Thick, White	1 kg	EVMZRO18MMW		Call
18mm Diameter x 8mm Thick, Black	1 kg	EVMZRO18MMB		Call

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Deposition Materials

➤ Aluminum & Aluminum Alloy

IN THIS SECTION ➤

R&D Sputter Targets

- Because the range of possible target shapes and sizes is so vast, we list only discs of uniform thickness in this section. If you don't see a size, shape, or material listed to suit your **OEM** sputter sources, please contact KJLC's Materials Division at materials@lesker.com or fax **412-384-2573** with your requests.
- Every effort is made to display correct prices. Wherever possible, we honor the listed price even if the current price is higher. We reserve the right to adjust prices, without notice, even after the material has been ordered.
- For materials having large daily price fluctuations, we indicate "Call" in the price block.
- For our TORUS[®] Sputter Source Targets, this sizing chart is common to each product in the section.

TORUS[®] Sputter Source
Target Sizing Chart

TORUS Source Model	Target Diameter
TORUS 1 (Model TRS1)	1"
TORUS 2 (Models TRS2 & TMO2)	2"
TORUS 3 (Models TRS3 & TMO3)	3"
TORUS 4 (Model TRS4)	4"
TORUS 6 (Model TRS6)	6"
TORUS 7 (Model TMO7)	7"
TORUS 10	6 ³ / ₈ "

■ Aluminum, Al



Aluminum, Al

Aluminum, Al (99.999% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTALXX501A2		Call
1.00" Diameter x 0.250" Thickness	EJTALXX501A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTALXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTALXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTALXX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTALXX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTALXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTALXX504A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTALXX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTALXX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTALXX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTALXX508A4		Call

Aluminum, Al (99.99% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTALXX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTALXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTALXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTALXX402A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTALXX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTALXX403A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTALXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTALXX404A4		Call
6.00" Diameter x 0.125" Thickness	EJTALXX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTALXX406A4		Call
8.00" Diameter x 0.125" Thickness	EJTALXX408A2		Call
8.00" Diameter x 0.250" Thickness	EJTALXX408A4	•	Call

■ Aluminum Copper, Al/Cu 99/1 wt%

Al/Cu 99/1 wt% (99.999% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTALCU501A2		Call
1.00" Diameter x 0.250" Thickness	EJTALCU501A4		Call
2.00" Diameter x 0.125" Thickness	EJTALCU502A2		Call
2.00" Diameter x 0.250" Thickness	EJTALCU502A4		Call
3.00" Diameter x 0.125" Thickness	EJTALCU503A2		Call
3.00" Diameter x 0.250" Thickness	EJTALCU503A4		Call
4.00" Diameter x 0.125" Thickness	EJTALCU504A2		Call
4.00" Diameter x 0.250" Thickness	EJTALCU504A4		Call
6.00" Diameter x 0.125" Thickness	EJTALCU506A2		Call
6.00" Diameter x 0.250" Thickness	EJTALCU506A4		Call

■ Aluminum Silicon, Al/Si 99/1 wt%

Al/Si 99/1 wt% (99.999% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTALSI501A2		Call
1.00" Diameter x 0.250" Thickness	EJTALSI501A4		Call
2.00" Diameter x 0.125" Thickness	EJTALSI502A2		Call
2.00" Diameter x 0.250" Thickness	EJTALSI502A4		Call
3.00" Diameter x 0.125" Thickness	EJTALSI503A2		Call
3.00" Diameter x 0.250" Thickness	EJTALSI503A4		Call
4.00" Diameter x 0.125" Thickness	EJTALSI504A2		Call
4.00" Diameter x 0.250" Thickness	EJTALSI504A4		Call



Aluminum Copper, Al/Cu 99/1 wt%



Aluminum Silicon, Al/Si 99/1 wt%

➤ Aluminum Alloys & Compounds

■ Aluminum Silicon Copper, Al/Si/Cu 98/1/1 wt%

Size	Al/Si/Cu 98/1/1 wt% (99.999% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTALSC501A2		Call
1.00" Diameter x 0.250" Thickness		EJTALSC501A4		Call
2.00" Diameter x 0.125" Thickness		EJTALSC502A2		Call
2.00" Diameter x 0.250" Thickness		EJTALSC502A4		Call
3.00" Diameter x 0.125" Thickness		EJTALSC503A2		Call
3.00" Diameter x 0.250" Thickness		EJTALSC503A4		Call
4.00" Diameter x 0.125" Thickness		EJTALSC504A2		Call
4.00" Diameter x 0.250" Thickness		EJTALSC504A4		Call

■ Aluminum Nitride, AlN (Bond)

Size	Aluminum Nitride, AlN (99.8% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTALNX281A2		Call
1.00" Diameter x 0.250" Thickness		EJTALNX281A4		Call
2.00" Diameter x 0.125" Thickness		EJTALNX282A2		Call
2.00" Diameter x 0.250" Thickness		EJTALNX282A4		Call
3.00" Diameter x 0.125" Thickness		EJTALNX283A2		Call
3.00" Diameter x 0.250" Thickness		EJTALNX283A4	•	Call
4.00" Diameter x 0.125" Thickness		EJTALNX284A2		Call
4.00" Diameter x 0.250" Thickness		EJTALNX284A4		Call



Aluminum Nitride, AlN

■ Aluminum Oxide, Al₂O₃ (Bond)

Size	Aluminum Oxide, Al ₂ O ₃ (99.99% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTALOX401A2	•	Call
1.00" Diameter x 0.250" Thickness		EJTALOX401A4	•	Call
2.00" Diameter x 0.125" Thickness		EJTALOX402A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTALOX402A4	•	Call
3.00" Diameter x 0.125" Thickness		EJTALOX403A2	•	Call
3.00" Diameter x 0.250" Thickness		EJTALOX403A4	•	Call
4.00" Diameter x 0.125" Thickness		EJTALOX404A2	•	Call
4.00" Diameter x 0.250" Thickness		EJTALOX404A4		Call
6.00" Diameter x 0.125" Thickness		EJTALOX406A2		Call
6.00" Diameter x 0.250" Thickness		EJTALOX406A4		Call
8.00" Diameter x 0.125" Thickness		EJTALOX408A2		Call
8.00" Diameter x 0.250" Thickness		EJTALOX408A4		Call



Aluminum Oxide, Al₂O₃

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Deposition Materials



1980

Personal Computer

Bill Gates, Paul Allen and Kay Nishi make the final decision to accept the IBM® contract to produce languages and an operating system for the new microcomputer.

Kurt J. Lesker Company became the exclusive distributor for Vacuum Generators in the United States. Vacuum Generators offered a complete line of sample manipulation and UHV Components.

➤ Antimony, Antimony Telluride, Barium & Barium Compounds

■ Antimony, Sb (Porosity, Surface Imperfections)

Size	Antimony, Sb (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSBXX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTSBXX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTSBXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSBXX502A4		Call
3.00" Diameter x 0.125" Thickness	EJTSBXX503A2		Call
3.00" Diameter x 0.250" Thickness	EJTSBXX503A4	•	Call

■ Antimony Telluride, Sb₂Te₃ (Bond)

Size	Antimony Telluride, Sb ₂ Te ₃ (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSBTE501A2		Call
1.00" Diameter x 0.250" Thickness	EJTSBTE501A4		Call
2.00" Diameter x 0.125" Thickness	EJTSBTE502A2		Call
2.00" Diameter x 0.250" Thickness	EJTSBTE502A4		Call
3.00" Diameter x 0.125" Thickness	EJTSBTE503A2		Call
3.00" Diameter x 0.250" Thickness	EJTSBTE503A4		Call
4.00" Diameter x 0.125" Thickness	EJTSBTE504A2		Call
4.00" Diameter x 0.250" Thickness	EJTSBTE504A4		Call

■ Barium, Ba (May be packed in oil)

Size	Barium, Ba (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBAXX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTBAXX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTBAXX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTBAXX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTBAXX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTBAXX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTBAXX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTBAXX254A4		Call

■ Barium Ferrite, BaFe₁₂O₁₉ (Bond)

Size	Barium Ferrite, BaFe ₁₂ O ₁₉ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBAFE301A2		Call
1.00" Diameter x 0.250" Thickness	EJTBAFE301A4		Call
2.00" Diameter x 0.125" Thickness	EJTBAFE302A2		Call
2.00" Diameter x 0.250" Thickness	EJTBAFE302A4		Call
3.00" Diameter x 0.125" Thickness	EJTBAFE303A2		Call
3.00" Diameter x 0.250" Thickness	EJTBAFE303A4		Call
4.00" Diameter x 0.125" Thickness	EJTBAFE304A2		Call
4.00" Diameter x 0.250" Thickness	EJTBAFE304A4		Call

■ Barium Titanate, BaTiO₃ (Bond)

Size	Barium Titanate, BaTiO ₃ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBATIO31A2		Call
1.00" Diameter x 0.250" Thickness	EJTBATIO31A4		Call
2.00" Diameter x 0.125" Thickness	EJTBATIO32A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTBATIO32A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTBATIO33A2		Call
3.00" Diameter x 0.250" Thickness	EJTBATIO33A4		Call
4.00" Diameter x 0.125" Thickness	EJTBATIO34A2		Call
4.00" Diameter x 0.250" Thickness	EJTBATIO34A4		Call



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- Quality Products & Services
- On-time Delivery
- Continual Improvement
- Effective Employee Training
- Customer Satisfaction

Providing Quality You Can Trust for Over 55 Years!

10

Deposition Materials

► Barium Compounds & Bismuth

■ Barium Fluoride, BaF_2 (Bond)

Size	Barium Fluoride, BaF_2 (99.9% Purity) Part No.	Stocked Item	Price
2.00" Diameter x 0.125" Thickness	EJTBAFX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTBAFX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTBAFX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTBAFX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTBAFX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTBAFX304A4		Call
5.00" Diameter x 0.125" Thickness	EJTBAFX305A2		Call
5.00" Diameter x 0.250" Thickness	EJTBAFX305A4		Call
6.00" Diameter x 0.125" Thickness	EJTBAFX306A2		Call
6.00" Diameter x 0.250" Thickness	EJTBAFX306A4		Call
8.00" Diameter x 0.125" Thickness	EJTBAFX308A2		Call
8.00" Diameter x 0.250" Thickness	EJTBAFX308A4		Call

■ Barium Strontium Titanate, $Ba_{0.5}Sr_{0.5}TiO_3$ (Bond)

Size	Barium Strontium Titanate, $Ba_{0.5}Sr_{0.5}TiO_3$ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBSTO301A2		Call
1.00" Diameter x 0.250" Thickness	EJTBSTO301A4		Call
2.00" Diameter x 0.125" Thickness	EJTBSTO302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTBSTO302A4		Call
3.00" Diameter x 0.125" Thickness	EJTBSTO303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTBSTO303A4		Call
4.00" Diameter x 0.125" Thickness	EJTBSTO304A2		Call
4.00" Diameter x 0.250" Thickness	EJTBSTO304A4		Call

* Other compositions are available on request.



Barium Strontium Titanate, $Ba_{0.5}Sr_{0.5}TiO_3$

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Deposition Materials

■ Bismuth, Bi (Porosity, Surface Imperfections)

Size	Bismuth, Bi (99.9%-99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBIFEO31A2		Call
1.00" Diameter x 0.125" Thickness	EJTBIFEO31A4	•	Call
2.0" Diameter x 0.125" Thickness	EJTBIFEO31A2		Call
2.0" Diameter x 0.125" Thickness	EJTBIFEO32A2	•	Call
3.00" Diameter x 0.125" Thickness	EJTBIFEO32A4		Call
3.00" Diameter x 0.125" Thickness	EJTBIFEO33A2		Call
1.00" Diameter x 0.125" Thickness	EJTBIXX503A4	•	Call
1.00" Diameter x 0.250" Thickness	EJTBIXX501A4		Call
2.0" Diameter x 0.125" Thickness	EJTBIXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTBIXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTBIXX503A2		Call
3.00" Diameter x 0.250" Thickness	EJTBIXX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTBIXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTBIXX504A4		Call



Bismuth, Bi

➤ *Bismuth Compounds*■ **Bismuth Oxide, Bi_2O_3 (Bond)**

Size	Bismuth Oxide, Bi_2O_3 (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBIOX501A2		Call
1.00" Diameter x 0.250" Thickness	EJTBIOX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTBIOX502A2		Call
2.00" Diameter x 0.250" Thickness	EJTBIOX502A4		Call
3.00" Diameter x 0.125" Thickness	EJTBIOX503A2		Call
3.00" Diameter x 0.250" Thickness	EJTBIOX503A4		Call
4.00" Diameter x 0.125" Thickness	EJTBIOX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTBIOX504A4		Call

■ **Bismuth Selenide, Bi_2Se_3 (Bond)**

Size	Bismuth Selenide, Bi_2Se_3 (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBTSE501A2		Call
1.00" Diameter x 0.250" Thickness	EJTBTSE501A4		Call
2.00" Diameter x 0.125" Thickness	EJTBTSE502A2		Call
2.00" Diameter x 0.250" Thickness	EJTBTSE502A4		Call
3.00" Diameter x 0.125" Thickness	EJTBTSE503A2		Call
3.00" Diameter x 0.250" Thickness	EJTBTSE503A4		Call
4.00" Diameter x 0.125" Thickness	EJTBTSE504A2		Call
4.00" Diameter x 0.250" Thickness	EJTBTSE504A4		Call

■ **Bismuth Telluride, Bi_2Te_3 (Bond)**

Size	Bismuth Telluride, Bi_2Te_3 (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBITE501A2		Call
1.00" Diameter x 0.250" Thickness	EJTBITE501A4		Call
2.00" Diameter x 0.125" Thickness	EJTBITE502A2		Call
2.00" Diameter x 0.250" Thickness	EJTBITE502A4		Call
3.00" Diameter x 0.125" Thickness	EJTBITE503A2		Call
3.00" Diameter x 0.250" Thickness	EJTBITE503A4		Call
4.00" Diameter x 0.125" Thickness	EJTBITE504A2		Call
4.00" Diameter x 0.250" Thickness	EJTBITE504A4		Call
6.00" Diameter x 0.250" Thickness	EJTBITE506A4		Call
8.00" Diameter x 0.250" Thickness	EJTBITE508A4		Call

■ **Bismuth Titanate, $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ (Bond)**

Size	Bismuth Titanate, $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBITO301A2		Call
1.00" Diameter x 0.250" Thickness	EJTBITO301A4		Call
2.00" Diameter x 0.125" Thickness	EJTBITO302A2		Call
2.00" Diameter x 0.250" Thickness	EJTBITO302A4		Call
3.00" Diameter x 0.125" Thickness	EJTBITO303A2		Call
3.00" Diameter x 0.250" Thickness	EJTBITO303A4		Call
4.00" Diameter x 0.125" Thickness	EJTBITO304A2		Call
4.00" Diameter x 0.250" Thickness	EJTBITO304A4		Call

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Deposition Materials

► Boron & Compounds

■ Boron, B (Bond, Density 60-80%)

Size	Boron, B (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBXXX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTBXXX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTBXXX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTBXXX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTBXXX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTBXXX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTBXXX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTBXXX254A4		Call
6.00" Diameter x 0.250" Thickness	EJTBXXX256A4		Call
8.00" Diameter x 0.250" Thickness	EJTBXXX258A4		Call



Boron, B

■ Boron Nitride, BN (Bond)

Size	Boron Nitride, BN (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBNXX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTBNXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTBNXX402A2		Call
2.00" Diameter x 0.250" Thickness	EJTBNXX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTBNXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTBNXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTBNXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTBNXX404A4		Call
6.00" Diameter x 0.125" Thickness	EJTBNXX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTBNXX406A4		Call
8.00" Diameter x 0.125" Thickness	EJTBNXX408A2		Call
8.00" Diameter x 0.250" Thickness	EJTBNXX408A4		Call

Size	Boron Nitride, BN (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBNXX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTBNXX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTBNXX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTBNXX252A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTBNXX253A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTBNXX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTBNXX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTBNXX254A4		Call
6.00" Diameter x 0.125" Thickness	EJTBNXX256A2		Call
6.00" Diameter x 0.250" Thickness	EJTBNXX256A4		Call
8.00" Diameter x 0.125" Thickness	EJTBNXX258A2		Call
8.00" Diameter x 0.250" Thickness	EJTBNXX258A4		Call



Boron Nitride, BN

■ Boron Carbide, B₄C (Bond)

Size	Boron Carbide, B ₄ C (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBCXX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTBCXX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTBCXX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTBCXX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTBCXX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTBCXX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTBCXX254A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTBCXX254A4		Call
6.00" Diameter x 0.125" Thickness	EJTBCXX256A2		Call
6.00" Diameter x 0.250" Thickness	EJTBCXX256A4		Call
8.00" Diameter x 0.125" Thickness	EJTBCXX258A2		Call
8.00" Diameter x 0.250" Thickness	EJTBCXX258A4		Call



Boron Carbide, B₄C

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Deposition Materials

➤ **Cadmium & Compounds**■ **Cadmium, Cd** (Porosity, Surface Imperfections)

Size	Cadmium, Cd (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCDXX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTCDXX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTCDXX502A2		Call
2.00" Diameter x 0.250" Thickness	EJTCDXX502A4		Call
3.00" Diameter x 0.125" Thickness	EJTCDXX503A2		Call
3.00" Diameter x 0.250" Thickness	EJTCDXX503A4		Call
4.00" Diameter x 0.125" Thickness	EJTCDXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTCDXX504A4		Call

■ **Cadmium Selenide, CdSe** (Bond)

Size	Cadmium Selenide, CdSe (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCDSE451A2		Call
1.00" Diameter x 0.250" Thickness	EJTCDSE451A4		Call
2.00" Diameter x 0.125" Thickness	EJTCDSE452A2		Call
2.00" Diameter x 0.250" Thickness	EJTCDSE452A4		Call
3.00" Diameter x 0.125" Thickness	EJTCDSE453A2		Call
3.00" Diameter x 0.250" Thickness	EJTCDSE453A4		Call
4.00" Diameter x 0.125" Thickness	EJTCDSE454A2		Call
4.00" Diameter x 0.250" Thickness	EJTCDSE454A4		Call

■ **Cadmium Sulfide, CdS** (Bond)

Size	Cadmium Sulfide, CdS (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCDSX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTCDSX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTCDSX402A2		Call
2.00" Diameter x 0.250" Thickness	EJTCDSX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTCDSX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTCDSX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTCDSX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTCDSX404A4		Call

■ **Cadmium Telluride, CdTe** (Bond)

Size	Cadmium Telluride, CdTe (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCDTE501A2		Call
1.00" Diameter x 0.250" Thickness	EJTCDTE501A4		Call
2.00" Diameter x 0.125" Thickness	EJTCDTE502A2		Call
2.00" Diameter x 0.250" Thickness	EJTCDTE502A4		Call
3.00" Diameter x 0.125" Thickness	EJTCDTE503A2		Call
3.00" Diameter x 0.250" Thickness	EJTCDTE503A4		Call
4.00" Diameter x 0.125" Thickness	EJTCDTE504A2		Call
4.00" Diameter x 0.250" Thickness	EJTCDTE504A4		Call



Cadmium Telluride, CdTe

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Deposition Materials

➤ Carbon, Cerium & Cerium Compounds

■ Carbon (Graphite), C (Bond)

Size	Carbon (Graphite), C (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCXXX501A2		Call
1.00" Diameter x 0.250" Thickness	EJTCXXX501A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTCXXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTCXXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTCXXX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTCXXX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTCXXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTCXXX504A4		Call
6.00" Diameter x 0.250" Thickness	EJTCXXX506A4		Call
8.00" Diameter x 0.250" Thickness	EJTCXXX508A4		Call

■ Carbon (Pyrolytic Graphite), C (Bond)

Size	Carbon (Graphite, Pyrolytic), C (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPYRO501A2		Call
1.00" Diameter x 0.250" Thickness	EJTPYRO501A4		Call
2.00" Diameter x 0.125" Thickness	EJTPYRO502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTPYRO502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTPYRO503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTPYRO503A4		Call
4.00" Diameter x 0.125" Thickness	EJTPYRO504A2		Call
4.00" Diameter x 0.250" Thickness	EJTPYRO504A4		Call
6.00" Diameter x 0.250" Thickness	EJTPYRO506A4		Call

■ Cerium, Ce (May Be Packed In Oil)

Size	Cerium, Ce (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCEXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTCEXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTCEXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTCEXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTCEXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTCEXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTCEXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTCEXX304A4		Call

■ Cerium Fluoride, CeF₃ (Bond)

Size	Cerium Fluoride, CeF ₃ (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCEFX451A2		Call
1.00" Diameter x 0.250" Thickness	EJTCEFX451A4		Call
2.00" Diameter x 0.125" Thickness	EJTCEFX452A2		Call
2.00" Diameter x 0.250" Thickness	EJTCEFX452A4		Call
3.00" Diameter x 0.125" Thickness	EJTCEFX453A2		Call
3.00" Diameter x 0.250" Thickness	EJTCEFX453A4		Call
4.00" Diameter x 0.125" Thickness	EJTCEFX454A2		Call
4.00" Diameter x 0.250" Thickness	EJTCEFX454A4		Call
6.00" Diameter x 0.125" Thickness	EJTCEFX456A2		Call
6.00" Diameter x 0.250" Thickness	EJTCEFX456A4		Call
8.00" Diameter x 0.125" Thickness	EJTCEFX458A2		Call
8.00" Diameter x 0.250" Thickness	EJTCEFX458A4		Call

■ Cerium Oxide, CeO₂ (Bond)

Size	Cerium Oxide, CeO ₂ (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCEOX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTCEOX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTCEOX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTCEOX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTCEOX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTCEOX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTCEOX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTCEOX404A4		Call



Carbon (Graphite), C



Cerium Oxide, CeO₂

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Deposition Materials

► Chromium, Chromium Compounds & Cobalt



Chromium, Cr

■ Chromium, Cr

Size	Chromium, Cr (99.95% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTCRXX351A2	•	Call
1.00" Diameter x 0.250" Thickness		EJTCRXX351A4	•	Call
2.00" Diameter x 0.125" Thickness		EJTCRXX352A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTCRXX352A4	•	Call
3.00" Diameter x 0.125" Thickness		EJTCRXX353A2	•	Call
3.00" Diameter x 0.250" Thickness		EJTCRXX353A4	•	Call
4.00" Diameter x 0.125" Thickness		EJTCRXX354A2	•	Call
4.00" Diameter x 0.250" Thickness		EJTCRXX354A4	•	Call
6.00" Diameter x 0.125" Thickness		EJTCRXX356A2	•	Call
6.00" Diameter x 0.250" Thickness		EJTCRXX356A4	•	Call
8.00" Diameter x 0.125" Thickness		EJTCRXX358A2	•	Call
8.00" Diameter x 0.250" Thickness		EJTCRXX358A4	•	Call

Chromium Oxide, Cr₂O₃

■ Chromium Oxide, Cr₂O₃ (Bond)

Size	Chromium Oxide, Cr ₂ O ₃ (99.8%-99.9% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTCROX281A2		Call
1.00" Diameter x 0.250" Thickness		EJTCROX281A4		Call
2.00" Diameter x 0.125" Thickness		EJTCROX282A2		Call
2.00" Diameter x 0.250" Thickness		EJTCROX282A4		Call
3.00" Diameter x 0.125" Thickness		EJTCROX283A2		Call
3.00" Diameter x 0.250" Thickness		EJTCROX283A4		Call
4.00" Diameter x 0.125" Thickness		EJTCROX284A2		Call
4.00" Diameter x 0.250" Thickness		EJTCROX284A4		Call

■ Chromium Silicide, CrSi₂ (Bond)

Size	Chromium Silicide, CrSi ₂ (99.5% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTCRSI251A2		Call
1.00" Diameter x 0.250" Thickness		EJTCRSI251A4		Call
2.00" Diameter x 0.125" Thickness		EJTCRSI252A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTCRSI252A4		Call
3.00" Diameter x 0.125" Thickness		EJTCRSI253A2		Call
3.00" Diameter x 0.250" Thickness		EJTCRSI253A4		Call
4.00" Diameter x 0.125" Thickness		EJTCRSI254A2		Call
4.00" Diameter x 0.250" Thickness		EJTCRSI254A4		Call
6.00" Diameter x 0.125" Thickness		EJTCRSI256A2		Call
6.00" Diameter x 0.250" Thickness		EJTCRSI256A4		Call
8.00" Diameter x 0.125" Thickness		EJTCRSI258A2		Call
8.00" Diameter x 0.250" Thickness		EJTCRSI258A4		Call

■ Cobalt, Co (Magnetic)

Size	Cobalt, Co (99.95% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTCOXX351A2	•	Call
1.00" Diameter x 0.250" Thickness		EJTCOXX351A4		Call
2.00" Diameter x 0.125" Thickness		EJTCOXX352A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTCOXX352A4	•	Call
3.00" Diameter x 0.125" Thickness		EJTCOXX353A2	•	Call
3.00" Diameter x 0.250" Thickness		EJTCOXX353A4	•	Call
4.00" Diameter x 0.125" Thickness		EJTCOXX354A2	•	Call
4.00" Diameter x 0.250" Thickness		EJTCOXX354A4		Call
6.00" Diameter x 0.125" Thickness		EJTCOXX356A2		Call
6.00" Diameter x 0.250" Thickness		EJTCOXX356A4		Call
8.00" Diameter x 0.125" Thickness		EJTCOXX358A2		Call
8.00" Diameter x 0.250" Thickness		EJTCOXX358A4		Call



Cobalt, Co

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Deposition Materials

➤ Cobalt Oxide, Copper & Copper Oxide

■ Cobalt Oxide, CoO (Bond)

Size	Cobalt Oxide, CoO (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCOOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTCOOX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTCOOX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTCOOX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTCOOX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTCOOX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTCOOX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTCOOX304A4		Call

Size	Cobalt Oxide, CoO (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCOOX351A2		Call
1.00" Diameter x 0.250" Thickness	EJTCOOX351A4		Call
2.00" Diameter x 0.125" Thickness	EJTCOOX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTCOOX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTCOOX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTCOOX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTCOOX354A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTCOOX354A4		Call

■ Copper, Cu

Size	Copper, Cu (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCUXX501A2		Call
1.00" Diameter x 0.250" Thickness	EJTCUXX501A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTCUXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTCUXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTCUXX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTCUXX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTCUXX504A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTCUXX504A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTCUXX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTCUXX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTCUXX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTCUXX508A4		Call

Size	Copper, Cu (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTCUXX401A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTCUXX401A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTCUXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTCUXX402A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTCUXX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTCUXX403A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTCUXX404A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTCUXX404A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTCUXX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTCUXX406A4	•	Call
8.00" Diameter x 0.250" Thickness	EJTCUXX408A4	•	Call

■ Copper Oxide, CuO (Bond)

Size	Copper Oxide, CuO (99.7%-99.9% Purity) Part No.	Stocked Item	Price
1.0" Diameter x 0.125" Thickness	EJTCUOX271A2		Call
1.0" Diameter x 0.250" Thickness	EJTCUOX271A4		Call
2.0" Diameter x 0.125" Thickness	EJTCUOX272A2	•	Call
2.0" Diameter x 0.250" Thickness	EJTCUOX272A4	•	Call
3.0" Diameter x 0.125" Thickness	EJTCUOX273A2		Call
3.0" Diameter x 0.250" Thickness	EJTCUOX273A4		Call
4.0" Diameter x 0.125" Thickness	EJTCUOX274A2		Call
4.0" Diameter x 0.250" Thickness	EJTCUOX274A4		Call



Copper, Cu



Copper Oxide, CuO

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Deposition Materials

► Dysprosium, Erbium & Europium

■ Dysprosium, Dy (May Be Packed In Oil)

Size	Dysprosium, Dy (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTDYXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTDYXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTDYXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTDYXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTDYXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTDYXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTDYXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTDYXX304A4		Call

■ Erbium, Er (May Be Packed In Oil)

Size	Erbium, Er (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTERXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTERXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTERXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTERXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTERXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTERXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTERXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTERXX304A4		Call

■ Europium, Eu (May Be Packed In Oil)

Size	Europium, Eu (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTEUXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTEUXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTEUXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTEUXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTEUXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTEUXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTEUXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTEUXX304A4		Call
6.00" Diameter x 0.125" Thickness	EJTEUXX306A2		Call
6.00" Diameter x 0.250" Thickness	EJTEUXX306A4		Call
8.00" Diameter x 0.125" Thickness	EJTEUXX308A2		Call
8.00" Diameter x 0.250" Thickness	EJTEUXX308A4		Call

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Company

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- On-time Delivery
- Continual Improvement
- Effective Employee Training
- Customer Satisfaction



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for Over 55 Years!

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Deposition Materials

➤ Gadolinium, Germanium & Gold

■ Gadolinium, Gd (Magnetic, May Be Packed In Oil)

Size	Gadolinium, Gd (99.9% Purity TREM)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTGDXX301A2		Call
1.00" Diameter x 0.250" Thickness		EJTGDXX301A4		Call
2.00" Diameter x 0.125" Thickness		EJTGDXX302A2		Call
2.00" Diameter x 0.250" Thickness		EJTGDXX302A4		Call
3.00" Diameter x 0.125" Thickness		EJTGDXX303A2		Call
3.00" Diameter x 0.250" Thickness		EJTGDXX303A4		Call
4.00" Diameter x 0.125" Thickness		EJTGDXX304A2		Call
4.00" Diameter x 0.250" Thickness		EJTGDXX304A4		Call



Gadolinium, Gd

■ Germanium, Ge, (N-Type, 5-40 Ohm-cm) (Bond)

Size	Germanium, Ge (99.999% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTGEXX501A2	•	Call
1.00" Diameter x 0.250" Thickness		EJTGEXX501A4		Call
2.00" Diameter x 0.125" Thickness		EJTGEXX502A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTGEXX502A4	•	Call
3.00" Diameter x 0.125" Thickness		EJTGEXX503A2	•	Call
3.00" Diameter x 0.250" Thickness		EJTGEXX503A4	•	Call
4.00" Diameter x 0.125" Thickness		EJTGEXX504A2	•	Call
4.00" Diameter x 0.250" Thickness		EJTGEXX504A4		Call



Germanium, Ge

■ Gold, Au

Size	Gold, Au (99.999% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.063" Thickness		EJTAUXX501A1		Call
1.00" Diameter x 0.125" Thickness		EJTAUXX501A2		Call
1.00" Diameter x 0.250" Thickness		EJTAUXX501A4		Call
2.00" Diameter x 0.063" Thickness		EJTAUXX502A1		Call
2.00" Diameter x 0.125" Thickness		EJTAUXX502A2		Call
2.00" Diameter x 0.250" Thickness		EJTAUXX502A4		Call
3.00" Diameter x 0.063" Thickness		EJTAUXX503A1		Call
3.00" Diameter x 0.125" Thickness		EJTAUXX503A2		Call
3.00" Diameter x 0.250" Thickness		EJTAUXX503A4		Call
4.00" Diameter x 0.125" Thickness		EJTAUXX504A2		Call
4.00" Diameter x 0.250" Thickness		EJTAUXX504A4		Call
5.00" Diameter x 0.250" Thickness		EJTAUXX505A4		Call
6.00" Diameter x 0.250" Thickness		EJTAUXX506A4		Call
8.00" Diameter x 0.250" Thickness		EJTAUXX508A4		Call
Gold, Au (99.99% Purity)				
1.00" Diameter x 0.063" Thickness		EJTAUXX401A1	•	Call
1.00" Diameter x 0.125" Thickness		EJTAUXX401A2	•	Call
1.00" Diameter x 0.250" Thickness		EJTAUXX401A4		Call
2.00" Diameter x 0.063" Thickness		EJTAUXX402A1	•	Call
2.00" Diameter x 0.125" Thickness		EJTAUXX402A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTAUXX402A4		Call
3.00" Diameter x 0.063" Thickness		EJTAUXX403A1	•	Call
3.00" Diameter x 0.125" Thickness		EJTAUXX403A2	•	Call
3.00" Diameter x 0.250" Thickness		EJTAUXX403A4		Call
4.00" Diameter x 0.125" Thickness		EJTAUXX404A2		Call
4.00" Diameter x 0.250" Thickness		EJTAUXX404A4		Call
6.00" Diameter x 0.250" Thickness		EJTAUXX406A4		Call
8.00" Diameter x 0.250" Thickness		EJTAUXX408A4		Call



Gold, Au

NOTE: We offer reclaim on spent targets, crucibles, and boats.

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Deposition Materials

➤ **Hafnium & Compounds**

Hafnium, Hf

■ **Hafnium, Hf**

Size	Hafnium, Hf (99.9% Purity ex Zr) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTHFXX301A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTHFXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTHFXX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTHFXX302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTHFXX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTHFXX303A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTHFXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTHFXX304A4		Call
6.00" Diameter x 0.125" Thickness	EJTHFXX306A2		Call
6.00" Diameter x 0.250" Thickness	EJTHFXX306A4		Call
8.00" Diameter x 0.125" Thickness	EJTHFXX308A2		Call
8.00" Diameter x 0.250" Thickness	EJTHFXX308A4		Call

■ **Hafnium Carbide, HfC** (Bond)

Size	Hafnium Carbide, HfC (99.5% Purity ex Zr) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTHFCX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTHFCX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTHFCX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTHFCX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTHFCX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTHFCX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTHFCX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTHFCX254A4		Call
6.00" Diameter x 0.125" Thickness	EJTHFCX256A2		Call
6.00" Diameter x 0.250" Thickness	EJTHFCX256A4		Call
8.00" Diameter x 0.125" Thickness	EJTHFCX258A2		Call
8.00" Diameter x 0.250" Thickness	EJTHFCX258A4		Call

■ **Hafnium Nitride, HfN** (Bond)

Size	Hafnium Nitride, HfN (99.5% Purity ex Zr) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTHFNX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTHFNX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTHFNX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTHFNX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTHFNX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTHFNX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTHFNX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTHFNX254A4		Call
6.00" Diameter x 0.125" Thickness	EJTHFNX256A2		Call
6.00" Diameter x 0.250" Thickness	EJTHFNX256A4		Call
8.00" Diameter x 0.125" Thickness	EJTHFNX258A2		Call
8.00" Diameter x 0.250" Thickness	EJTHFNX258A4		Call

■ **Hafnium Oxide, HfO₂** (Bond)

Size	Hafnium Oxide, HfO ₂ (99.95% Purity ex. Zr) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTHFOX351A2		Call
1.00" Diameter x 0.250" Thickness	EJTHFOX351A2		Call
2.00" Diameter x 0.125" Thickness	EJTHFOX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTHFOX352A4		Call
3.00" Diameter x 0.125" Thickness	EJTHFOX353A2		Call
3.00" Diameter x 0.250" Thickness	EJTHFOX353A4		Call
4.00" Diameter x 0.125" Thickness	EJTHFOX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTHFOX354A4		Call
6.00" Diameter x 0.250" Thickness	EJTHFOX356A4		Call

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Deposition Materials

► Holmium, Indium & Indium Compounds

■ Holmium, Ho (May Be Packed In Oil)

Holmium, Ho (99.9% Purity TREM)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTHOXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTHOXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTHOXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTHOXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTHOXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTHOXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTHOXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTHOXX304A4		Call

■ Indium, In

Indium, In (99.998%-99.999% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTINXX501A2		Call
1.00" Diameter x 0.250" Thickness	EJTINXX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTINXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTINXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTINXX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTINXX503A4		Call
4.00" Diameter x 0.125" Thickness	EJTINXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTINXX504A4		Call
6.00" Diameter x 0.125" Thickness	EJTINXX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTINXX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTINXX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTINXX508A4		Call
Indium, In (99.99% Purity)			
1.00" Diameter x 0.125" Thickness	EJTINXX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTINXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTINXX402A2		Call
2.00" Diameter x 0.250" Thickness	EJTINXX402A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTINXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTINXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTINXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTINXX404A4		Call
6.00" Diameter x 0.125" Thickness	EJTINXX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTINXX406A4		Call
8.00" Diameter x 0.125" Thickness	EJTINXX408A2		Call
8.00" Diameter x 0.250" Thickness	EJTINXX408A4		Call

■ Indium Oxide, In₂O₃ (Bond)

Indium Oxide, In ₂ O ₃ (99.99% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTINOX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTINOX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTINOX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTINOX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTINOX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTINOX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTINOX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTINOX404A4		Call

■ Indium Tin Oxide (ITO), In₂O₃/SnO₂ 90/10 wt% (Bond)

Indium Tin Oxide, "ITO" (99.99% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTITOX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTITOX401A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTITOX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTITOX402A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTITOX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTITOX403A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTITOX404A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTITOX404A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTITOX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTITOX406A4	•	Call
8.00" Diameter x 0.250" Thickness	EJTITOX408A4		Call



Indium, In

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Deposition Materials



Indium Tin Oxide (ITO), In₂O₃/SnO₂ 90/10 wt%

➤ *Iridium & Iron*■ **Iridium, Ir** (Porosity, Surface Imperfections)

Size	Iridium (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTIRXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTIRXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTIRXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTIRXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTIRXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTIRXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTIRXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTIRXX304A4		Call

■ **Iron, Fe** (Magnetic)

Size	Iron, Fe (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.063" Thickness	EJTFEXX301A1	•	Call
1.00" Diameter x 0.125" Thickness	EJTFEXX301A2	•	Call
2.00" Diameter x 0.080" Thickness	EJTFE302A.08		Call
2.00" Diameter x 0.063" Thickness	EJTFEXX302A1	•	Call
2.00" Diameter x 0.125" Thickness	EJTFEXX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTFEXX302A4		Call
3.00" Diameter x 0.063" Thickness	EJTFEXX303A1	•	Call
3.00" Diameter x 0.125" Thickness	EJTFEXX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTFEXX303A4		Call
3.00" Diameter x 0.080" Thickness	EJTFE303A.08		Call
4.00" Diameter x 0.125" Thickness	EJTFEXX304A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTFEXX304A4		Call
4.00" Diameter x 0.080" Thickness	EJTFE304A.08		Call

Size	Iron, Fe (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.063" Thickness	EJTFEXX351A1		Call
1.00" Diameter x 0.125" Thickness	EJTFEXX351A2		Call
2.00" Diameter x 0.080" Thickness	EJTFE352A.08		Call
2.00" Diameter x 0.063" Thickness	EJTFEXX352A1		Call
2.00" Diameter x 0.125" Thickness	EJTFEXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTFEXX352A4		Call
3.00" Diameter x 0.063" Thickness	EJTFEXX353A1		Call
3.00" Diameter x 0.125" Thickness	EJTFEXX353A2		Call
3.00" Diameter x 0.250" Thickness	EJTFEXX353A4		Call
3.00" Diameter x 0.080" Thickness	EJTFE353A.08	•	Call
4.00" Diameter x 0.125" Thickness	EJTFEXX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTFEXX354A4		Call
4.00" Diameter x 0.080" Thickness	EJTFE354A.08		Call

Size	Iron, Fe (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.063" Thickness	EJTFEXX401A1		Call
1.00" Diameter x 0.125" Thickness	EJTFEXX401A2		Call
2.00" Diameter x 0.063" Thickness	EJTFEXX402A1		Call
2.00" Diameter x 0.125" Thickness	EJTFEXX402A2		Call
2.00" Diameter x 0.250" Thickness	EJTFEXX402A4		Call
2.00" Diameter x 0.080" Thickness	EJTFE402A.08		Call
3.00" Diameter x 0.063" Thickness	EJTFEXX403A1		Call
3.00" Diameter x 0.125" Thickness	EJTFEXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTFEXX403A4		Call
3.00" Diameter x 0.080" Thickness	EJTFE403A.08		Call
4.00" Diameter x 0.125" Thickness	EJTFEXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTFEXX404A4		Call
4.00" Diameter x 0.080" Thickness	EJTFE404A.08		Call

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Deposition Materials

➤ Iron Oxide, Lanthanum & Compounds

■ Iron Oxide, Fe_2O_3

Size	Iron Oxide, Fe_2O_3 (99.99% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTFOX301A2		Call
1.00" Diameter x 0.250" Thickness		EJTFOX301A4		Call
2.00" Diameter x 0.125" Thickness		EJTFOX302A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTFOX302A4		Call
3.00" Diameter x 0.125" Thickness		EJTFOX303A2		Call
3.00" Diameter x 0.250" Thickness		EJTFOX303A4		Call
4.00" Diameter x 0.125" Thickness		EJTFOX304A2		Call
4.00" Diameter x 0.250" Thickness		EJTFOX304A4		Call



Iron Oxide, Fe_2O_3

■ Lanthanum, La (May Be Packed In Oil)

Size	Lanthanum, La (99.9% Purity TREM)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTLAXX301A2		Call
1.00" Diameter x 0.250" Thickness		EJTLAXX301A4		Call
2.00" Diameter x 0.125" Thickness		EJTLAXX302A2		Call
2.00" Diameter x 0.250" Thickness		EJTLAXX302A4		Call
3.00" Diameter x 0.125" Thickness		EJTLAXX303A2		Call
3.00" Diameter x 0.250" Thickness		EJTLAXX303A4		Call
4.00" Diameter x 0.125" Thickness		EJTLAXX304A2		Call
4.00" Diameter x 0.250" Thickness		EJTLAXX304A4		Call

■ Lanthanum Aluminate, $LaAlO_3$ (Bond)

Size	Lanthanum Aluminate, $LaAlO_3$ (99.9% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTLALO301A2		Call
1.00" Diameter x 0.250" Thickness		EJTLALO301A4		Call
2.00" Diameter x 0.125" Thickness		EJTLALO302A2	•	Call
2.00" Diameter x 0.250" Thickness		EJTLALO302A4		Call
3.00" Diameter x 0.125" Thickness		EJTLALO303A2		Call
3.00" Diameter x 0.250" Thickness		EJTLALO303A4		Call
4.00" Diameter x 0.125" Thickness		EJTLALO304A2		Call
4.00" Diameter x 0.250" Thickness		EJTLALO304A4		Call

■ Lanthanum Hexaboride, LaB_6 (Bond)

Size	Lanthanum Boride, LaB_6 (99.5% Purity)	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness		EJTLABX251A2		Call
1.00" Diameter x 0.250" Thickness		EJTLABX251A4		Call
2.00" Diameter x 0.125" Thickness		EJTLABX252A2		Call
2.00" Diameter x 0.250" Thickness		EJTLABX252A4		Call
3.00" Diameter x 0.125" Thickness		EJTLABX253A2		Call
3.00" Diameter x 0.250" Thickness		EJTLABX253A4		Call
4.00" Diameter x 0.125" Thickness		EJTLABX254A2		Call
4.00" Diameter x 0.250" Thickness		EJTLABX254A4		Call

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Deposition Materials

► Lanthanum Oxide, Lead & Lead Compounds

■ Lanthanum Oxide, La_2O_3 (Cannot offer bonding services)

Lanthanum Oxide, La_2O_3 (99.99% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTLAOX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTLAOX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTLAOX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTLAOX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTLAOX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTLAOX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTLAOX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTLAOX404A4		Call



Lead, Pb

■ Lead, Pb (Porosity, Surface Imperfections)

Lead, Pb (99.99+% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPBXX401A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTPBXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTPBXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTPBXX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTPBXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTPBXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTPBXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTPBXX404A4		Call

■ Lead Telluride, PbTe (Bond)

Lead Telluride, PbTe (99.99% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPBTE401A2		Call
1.00" Diameter x 0.250" Thickness	EJTPBTE401A4		Call
2.00" Diameter x 0.125" Thickness	EJTPBTE402A2		Call
2.00" Diameter x 0.250" Thickness	EJTPBTE402A4		Call
3.00" Diameter x 0.125" Thickness	EJTPBTE403A2		Call
3.00" Diameter x 0.250" Thickness	EJTPBTE403A4		Call
4.00" Diameter x 0.125" Thickness	EJTPBTE404A2		Call
4.00" Diameter x 0.250" Thickness	EJTPBTE404A4		Call
6.00" Diameter x 0.250" Thickness	EJTPBTE406A4		Call
8.00" Diameter x 0.250" Thickness	EJTPBTE408A4		Call

■ Lead Titanate, PbTiO_3 (Bond)

Lead Titanate, PbTiO_3 (99.9% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPBTO301A2		Call
1.00" Diameter x 0.250" Thickness	EJTPBTO301A4		Call
2.00" Diameter x 0.125" Thickness	EJTPBTO302A2		Call
2.00" Diameter x 0.250" Thickness	EJTPBTO302A4		Call
3.00" Diameter x 0.125" Thickness	EJTPBTO303A2		Call
3.00" Diameter x 0.250" Thickness	EJTPBTO303A4		Call
4.00" Diameter x 0.125" Thickness	EJTPBTO304A2		Call
4.00" Diameter x 0.250" Thickness	EJTPBTO304A4		Call

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Deposition Materials

➤ Lead Compounds

■ Lead Zirconate, $PbZrO_3$ (Bond)

Size	Lead Zirconate, $PbZrO_3$ (99.7% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPBZO271A2		Call
1.00" Diameter x 0.250" Thickness	EJTPBZO271A4		Call
2.00" Diameter x 0.125" Thickness	EJTPBZO272A2		Call
2.00" Diameter x 0.250" Thickness	EJTPBZO272A4		Call
3.00" Diameter x 0.125" Thickness	EJTPBZO273A2		Call
3.00" Diameter x 0.250" Thickness	EJTPBZO273A4		Call
4.00" Diameter x 0.125" Thickness	EJTPBZO274A2		Call
4.00" Diameter x 0.250" Thickness	EJTPBZO274A4		Call

■ Lead Zirconate Titanate, $PbZr_{1-x}Ti_xO_3$ (Bond)

Size	Lead Zirconate Titanate, $PbZr_{1-x}Ti_xO_3$ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPZT301A2		Call
1.00" Diameter x 0.250" Thickness	EJTPZT301A4		Call
2.00" Diameter x 0.125" Thickness	EJTPZT302A2		Call
2.00" Diameter x 0.250" Thickness	EJTPZT302A4		Call
3.00" Diameter x 0.125" Thickness	EJTPZT303A2		Call
3.00" Diameter x 0.250" Thickness	EJTPZT303A4		Call
4.00" Diameter x 0.125" Thickness	EJTPZT304A2		Call
4.00" Diameter x 0.250" Thickness	EJTPZT304A4		Call

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Deposition Materials

Deposition Materials

Manufactured & Distributed by Kurt J. Lesker Company

**Novel manufacturing techniques
for conductive oxides.**

**Optical materials such as
Ta, Nb, and Si, designed for
optimal thin film
processing.**

**High volume
production of
aluminum targets
& tungsten filaments
for automotive
lighting.**



► Lithium Niobate, Magnesium & Magnesium Fluoride

■ Lithium Niobate, LiNbO_3 (Bond)

Size	Lithium Niobate, LiNbO_3 (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTLINO301A2		Call
1.00" Diameter x 0.250" Thickness	EJTLINO301A4		Call
2.00" Diameter x 0.125" Thickness	EJTLINO302A2		Call
2.00" Diameter x 0.250" Thickness	EJTLINO302A4		Call
3.00" Diameter x 0.125" Thickness	EJTLINO303A2		Call
3.00" Diameter x 0.250" Thickness	EJTLINO303A4		Call
4.00" Diameter x 0.125" Thickness	EJTLINO304A2		Call
4.00" Diameter x 0.250" Thickness	EJTLINO304A4		Call

■ Magnesium, Mg

Size	Magnesium, Mg (99.98% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMGXX381A2		Call
1.00" Diameter x 0.250" Thickness	EJTMGXX381A4		Call
2.00" Diameter x 0.125" Thickness	EJTMGXX382A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTMGXX382A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTMGXX383A2		Call
3.00" Diameter x 0.250" Thickness	EJTMGXX383A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTMGXX384A2		Call
4.00" Diameter x 0.250" Thickness	EJTMGXX384A4		Call
6.00" Diameter x 0.250" Thickness	EJTMGXX386A4		Call
8.00" Diameter x 0.250" Thickness	EJTMGXX388A4		Call
Magnesium, Mg (99.95% Purity)			
1.00" Diameter x 0.125" Thickness	EJTMGXX351A2		Call
1.00" Diameter x 0.250" Thickness	EJTMGXX351A4		Call
2.00" Diameter x 0.125" Thickness	EJTMGXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTMGXX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTMGXX353A2		Call
3.00" Diameter x 0.250" Thickness	EJTMGXX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTMGXX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTMGXX354A4		Call
6.00" Diameter x 0.250" Thickness	EJTMGXX356A4		Call
8.00" Diameter x 0.250" Thickness	EJTMGXX358A4		Call

■ Magnesium Fluoride, MgF_2 (Bond)

Size	Magnesium Fluoride, MgF_2 (99.9% Purity ex. Ca) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMGFX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTMGFX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTMGFX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTMGFX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTMGFX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTMGFX303A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTMGFX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTMGFX304A4		Call
6.00" Diameter x 0.250" Thickness	EJTMGFX306A4		Call
8.00" Diameter x 0.250" Thickness	EJTMGFX308A4		Call

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Deposition Materials



Magnesium, Mg

Magnesium Fluoride, MgF_2

➤ Magnesium Oxide, Manganese & Compounds

■ Magnesium Oxide, MgO (Bond)

Size	Magnesium Oxide, MgO (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMGOX351A2		Call
1.00" Diameter x 0.250" Thickness	EJTMGOX351A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTMGOX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTMGOX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTMGOX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTMGOX353A4		Call
4.00" Diameter x 0.125" Thickness	EJTMGOX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTMGOX354A4		Call
6.00" Diameter x 0.250" Thickness	EJTMGOX356A4		Call
8.00" Diameter x 0.250" Thickness	EJTMGOX358A4		Call



Magnesium Oxide, MgO

■ Manganese, Mn (Surface Imperfections, Bond)

Size	Manganese, Mn (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMNXX351A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTMNXX351A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTMNXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTMNXX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTMNXX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTMNXX353A4		Call
4.00" Diameter x 0.125" Thickness	EJTMNXX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTMNXX354A4		Call
6.00" Diameter x 0.250" Thickness	EJTMNXX356A4		Call
8.00" Diameter x 0.250" Thickness	EJTMNXX358A4		Call



Manganese, Mn

■ Manganese Oxide, MnO (Bond)

Size	Manganese Oxide, MnO (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMNOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTMNOX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTMNOX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTMNOX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTMNOX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTMNOX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTMNOX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTMNOX304A4		Call
6.00" Diameter x 0.250" Thickness	EJTMNOX306A4		Call
8.00" Diameter x 0.250" Thickness	EJTMNOX308A4		Call

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Deposition Materials

➤ **Molybdenum & Compounds**■ **Molybdenum, Mo**

Size	Molybdenum, Mo (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTM0XX351A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTM0XX351A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTM0XX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTM0XX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTM0XX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTM0XX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTM0XX354A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTM0XX354A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTM0XX356A2		Call
6.00" Diameter x 0.250" Thickness	EJTM0XX356A4	•	Call
8.00" Diameter x 0.125" Thickness	EJTM0XX358A2		Call
8.00" Diameter x 0.250" Thickness	EJTM0XX358A4		Call

Molybdenum Carbide, Mo₂C■ **Molybdenum Carbide, Mo₂C (Bond)**

Size	Molybdenum Carbide, Mo ₂ C (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMOCX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTMOCX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTMOCX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTMOCX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTMOCX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTMOCX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTMOCX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTMOCX254A4		Call

■ **Molybdenum Disilicide, MoSi₂ (Bond)**

Size	Molybdenum Disilicide, MoSi ₂ (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMOSI251A2		Call
1.00" Diameter x 0.250" Thickness	EJTMOSI251A4		Call
2.00" Diameter x 0.125" Thickness	EJTMOSI252A2		Call
2.00" Diameter x 0.250" Thickness	EJTMOSI252A4		Call
3.00" Diameter x 0.125" Thickness	EJTMOSI253A2		Call
3.00" Diameter x 0.250" Thickness	EJTMOSI253A4		Call
4.00" Diameter x 0.125" Thickness	EJTMOSI254A2		Call
4.00" Diameter x 0.250" Thickness	EJTMOSI254A4		Call

■ **Molybdenum Oxide, MoO₃ (Bond)**

Size	Molybdenum Oxide, MoO ₃ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTM0OX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTM0OX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTM0OX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTM0OX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTM0OX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTM0OX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTM0OX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTM0OX304A4		Call

■ **Molybdenum Disulfide, MoS₂ (Bond)**

Size	Molybdenum Disulfide, MoS ₂ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTMOSX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTMOSX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTMOSX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTMOSX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTMOSX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTMOSX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTMOSX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTMOSX304A4		Call

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Deposition Materials

► Neodymium & Nickel

■ Neodymium, Nd (May Be Packed In Oil)

Size	Neodymium, Nd (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNDXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTNDXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTNDXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTNDXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTNDXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTNDXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTNDXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTNDXX304A4		Call



Neodymium, Nd

■ Nickel, Ni (Magnetic)

Size	Nickel, Ni (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNIXX451A2	•	Call
2.00" Diameter x 0.125" Thickness	EJTNIXX452A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNIXX452A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTNIXX453A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNIXX453A4		Call
4.00" Diameter x 0.125" Thickness	EJTNIXX454A2		Call
4.00" Diameter x 0.250" Thickness	EJTNIXX454A4		Call
6.00" Diameter x 0.125" Thickness	EJTNIXX456A2		Call
6.00" Diameter x 0.250" Thickness	EJTNIXX456A4		Call
8.00" Diameter x 0.125" Thickness	EJTNIXX458A2		Call
8.00" Diameter x 0.250" Thickness	EJTNIXX458A4		Call
Nickel, Ni (99.99% Purity)			
1.00" Diameter x 0.063" Thickness	EJTNIXX401A1		Call
1.00" Diameter x 0.125" Thickness	EJTNIXX401A2		Call
2.00" Diameter x 0.063" Thickness	EJTNIXX402A1	•	Call
2.00" Diameter x 0.125" Thickness	EJTNIXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNIXX402A4		Call
3.00" Diameter x 0.063" Thickness	EJTNIXX403A1	•	Call
3.00" Diameter x 0.125" Thickness	EJTNIXX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNIXX403A4	•	Call
4.00" Diameter x 0.063" Thickness	EJTNIXX404A1		Call
4.00" Diameter x 0.125" Thickness	EJTNIXX404A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTNIXX404A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTNIXX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTNIXX406A4	•	Call
8.00" Diameter x 0.125" Thickness	EJTNIXX408A2	•	Call
8.00" Diameter x 0.250" Thickness	EJTNIXX408A4	•	Call
Nickel, Ni (99.9% Purity)			
1.00" Diameter x 0.125" Thickness	EJTNIXX301A2	•	Call
2.00" Diameter x 0.063" Thickness	EJTNIXX302A1	•	Call
2.00" Diameter x 0.125" Thickness	EJTNIXX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNIXX302A4		Call
3.00" Diameter x 0.063" Thickness	EJTNIXX303A1		Call
3.00" Diameter x 0.125" Thickness	EJTNIXX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNIXX303A4	•	Call
4.00" Diameter x 0.063" Thickness	EJTNIXX304A1		Call
4.00" Diameter x 0.125" Thickness	EJTNIXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTNIXX304A4		Call
6.00" Diameter x 0.125" Thickness	EJTNIXX306A2		Call
6.00" Diameter x 0.250" Thickness	EJTNIXX306A4		Call
8.00" Diameter x 0.125" Thickness	EJTNIXX308A2		Call
8.00" Diameter x 0.250" Thickness	EJTNIXX308A4		Call



Nickel, Ni

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Deposition Materials

➤ **Nickel Alloys & Compounds**

Nickel Chromium, Ni/Cr 80/20 wt%

■ **Nickel Chromium, Ni/Cr 80/20 wt%**

Nickel Chromium, Ni/Cr 80/20 wt% (99.9% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNICR301A2		Call
1.00" Diameter x 0.250" Thickness	EJTNICR301A4		Call
2.00" Diameter x 0.125" Thickness	EJTNICR302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNICR302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTNICR303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNICR303A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTNICR304A2		Call
4.00" Diameter x 0.250" Thickness	EJTNICR304A4		Call

■ **Nickel Iron, Ni/Fe 81/19 wt%** (Magnetic)

Nickel Iron, Ni/Fe 81/19 wt (99.95% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNIFE251A1		Call
2.00" Diameter x 0.063" Thickness	EJTNIFE252A1	•	Call
2.00" Diameter x 0.125" Thickness	EJTNIFE252A2	•	Call
3.00" Diameter x 0.063" Thickness	EJTNIFE253A1		Call
3.00" Diameter x 0.125" Thickness	EJTNIFE253A2	•	Call
4.00" Diameter x 0.063" Thickness	EJTNIFE254A1		Call
4.00" Diameter x 0.125" Thickness	EJTNIFE254A2		Call
0.125" Thickness	EJTNIFE351A1		Call
1.00" Diameter x 0.250" Thickness	EJTNIFE351A4		Call
2.00" Diameter x 0.125" Thickness	EJTNIFE352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNIFE352A4		Call
3.00" Diameter x 0.125" Thickness	EJTNIFE353A2		Call
3.00" Diameter x 0.250" Thickness	EJTNIFE353A4		Call

■ **Nickel Oxide, NiO** (Bond)

Nickel Oxide, NiO (99.995% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNIOX451A2		Call
1.00" Diameter x 0.250" Thickness	EJTNIOX451A4		Call
2.00" Diameter x 0.125" Thickness	EJTNIOX452A2		Call
2.00" Diameter x 0.250" Thickness	EJTNIOX452A4		Call
3.00" Diameter x 0.125" Thickness	EJTNIOX453A2		Call
3.00" Diameter x 0.250" Thickness	EJTNIOX453A4		Call
4.00" Diameter x 0.125" Thickness	EJTNIOX454A2		Call
4.00" Diameter x 0.250" Thickness	EJTNIOX454A4		Call
Nickel Oxide, NiO (99.9% Purity)			
1.00" Diameter x 0.125" Thickness	EJTNIOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTNIOX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTNIOX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTNIOX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTNIOX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTNIOX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTNIOX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTNIOX304A4		Call

■ **Nickel Vanadium, Ni/V 93/7 wt%**

Nickel Vanadium, Ni/V 93/7 wt% (99.95% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNIVX351A2		Call
1.00" Diameter x 0.250" Thickness	EJTNIVX351A4		Call
2.00" Diameter x 0.125" Thickness	EJTNIVX352A2		Call
2.00" Diameter x 0.250" Thickness	EJTNIVX352A4		Call
3.00" Diameter x 0.125" Thickness	EJTNIVX353A2		Call
3.00" Diameter x 0.250" Thickness	EJTNIVX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTNIVX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTNIVX354A4	•	Call
6.00" Diameter x 0.250" Thickness	EJTNIVX356A4		Call
8.00" Diameter x 0.250" Thickness	EJTNIVX358A4		Call

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Deposition Materials

➤ Niobium & Compounds

■ Niobium, Nb

Size	Niobium, Nb (Columbium) (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNBXX351A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTNBXX351A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTNBXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNBXX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTNBXX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNBXX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTNBXX354A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTNBXX354A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTNBXX356A2	•	Call
6.00" Diameter x 0.250" Thickness	EJTNBXX356A4	•	Call
8.00" Diameter x 0.125" Thickness	EJTNBXX358A2	•	Call
8.00" Diameter x 0.250" Thickness	EJTNBXX358A4	•	Call



Niobium, Nb

■ Niobium Carbide, NbC (Bond)

Size	Niobium Carbide, NbC (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNBCX251A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTNBCX251A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTNBCX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNBCX252A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTNBCX253A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNBCX253A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTNBCX254A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTNBCX254A4	•	Call

■ Niobium Nitride, NbN (Bond)

Size	Niobium Nitride, NbN (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTBNX251A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTBNX251A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTBNX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTBNX252A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTBNX253A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTBNX253A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTBNX254A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTBNX254A4	•	Call

■ Niobium Oxide, Nb₂O₅ (Bond)

Size	Niobium Oxide, Nb ₂ O ₅ (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNBOX451A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTNBOX451A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTNBOX452A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNBOX452A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTNBOX453A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNBOX453A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTNBOX454A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTNBOX454A4	•	Call

➤ Palladium, Permalloy, Platinum & Praseodymium



Palladium, Pd

■ Palladium, Pd

Palladium, Pd (99.95% Purity)		Stocked Item	Price
Size	Part No.		
1.00" Diameter x 0.125" Thickness	EJTPDXX351A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTPDXX351A4		Call
2.00" Diameter x 0.625" Thickness	EJTPDXX352A1		Call
2.00" Diameter x 0.125" Thickness	EJTPDXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTPDXX352A4		Call
3.00" Diameter x 0.0625" Thickness	EJTPDXX353A1		Call
3.00" Diameter x 0.125" Thickness	EJTPDXX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTPDXX353A4		Call
4.00" Diameter x 0.125" Thickness	EJTPDXX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTPDXX354A4		Call
6.00" Diameter x 0.125" Thickness	EJTPDXX356A2		Call
6.00" Diameter x 0.250" Thickness	EJTPDXX356A4		Call
8.00" Diameter x 0.125" Thickness	EJTPDXX358A2		Call
8.00" Diameter x 0.250" Thickness	EJTPDXX358A4		Call

■ Permalloy, Hymu80 Ni/Fe/Mo/Mn (Magnetic)

Permalloy (79% Ni, 16.7% Fe, 4% Mo, 0.3% Mn) (Commercial Grade)		Stocked Item	Price
Size	Part No.		
2.00" Diameter x 0.125" Thickness	EJTPERM252A2		Call
2.00" Diameter x 0.250" Thickness	EJTPERM252A4		Call
3.00" Diameter x 0.125" Thickness	EJTPERM253A2		Call
3.00" Diameter x 0.250" Thickness	EJTPERM253A4		Call
4.00" Diameter x 0.125" Thickness	EJTPERM254A2		Call
4.00" Diameter x 0.250" Thickness	EJTPERM254A4		Call

■ Platinum, Pt

Platinum, Pt (99.99% Purity)		Stocked Item	Price
Size	Part No.		
1.00" Diameter x 0.063" Thickness	EJTPTXX401A1		Call
1.00" Diameter x 0.125" Thickness	EJTPTXX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTPTXX401A4		Call
2.00" Diameter x 0.063" Thickness	EJTPTXX402A1	•	Call
2.00" Diameter x 0.125" Thickness	EJTPTXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTPTXX402A4		Call
3.00" Diameter x 0.625" Thickness	EJTPTXX403A1	•	Call
3.00" Diameter x 0.125" Thickness	EJTPTXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTPTXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTPTXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTPTXX404A4		Call
6.00" Diameter x 0.125" Thickness	EJTPTXX406A2		Call
6.00" Diameter x 0.250" Thickness	EJTPTXX406A4		Call
8.00" Diameter x 0.125" Thickness	EJTPTXX408A2		Call
8.00" Diameter x 0.250" Thickness	EJTPTXX408A4		Call

■ Praseodymium, Pr (May Be Packed In Oil)

Praseodymium, Pr (99.9% Purity TREM)		Stocked Item	Price
Size	Part No.		
1.00" Diameter x 0.125" Thickness	EJTPRXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTPRXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTPRXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTPRXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTPRXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTPRXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTPRXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTPRXX304A4		Call
6.00" Diameter x 0.125" Thickness	EJTPRXX306A2		Call
6.00" Diameter x 0.250" Thickness	EJTPRXX306A4		Call
8.00" Diameter x 0.125" Thickness	EJTPRXX308A2		Call
8.00" Diameter x 0.250" Thickness	EJTPRXX308A4		Call



Platinum, Pt

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Deposition Materials

➤ Rhenium, Rhodium, Ruthenium, Samarium & Selenium

■ Rhenium, Re

Size	Rhenium, Re (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTREXX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTREXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTREXX402A2		Call
2.00" Diameter x 0.250" Thickness	EJTREXX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTREXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTREXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTREXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTREXX404A4		Call

■ Rhodium, Rh

Size	Rhodium, Rh (99.8% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTRHXX281A2		Call
1.00" Diameter x 0.250" Thickness	EJTRHXX281A4		Call
2.00" Diameter x 0.125" Thickness	EJTRHXX282A2		Call
2.00" Diameter x 0.250" Thickness	EJTRHXX282A4		Call
3.00" Diameter x 0.125" Thickness	EJTRHXX283A2		Call
3.00" Diameter x 0.250" Thickness	EJTRHXX283A4		Call
4.00" Diameter x 0.125" Thickness	EJTRHXX284A2		Call
4.00" Diameter x 0.250" Thickness	EJTRHXX284A4		Call

■ Ruthenium, Ru

Size	Ruthenium, Ru (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTRUXX351A2		Call
1.00" Diameter x 0.250" Thickness	EJTRUXX351A4		Call
2.00" Diameter x 0.125" Thickness	EJTRUXX352A2		Call
2.00" Diameter x 0.250" Thickness	EJTRUXX352A4		Call
3.00" Diameter x 0.125" Thickness	EJTRUXX353A2		Call
3.00" Diameter x 0.250" Thickness	EJTRUXX353A4		Call
4.00" Diameter x 0.125" Thickness	EJTRUXX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTRUXX354A4		Call

■ Samarium, Sm (May Be Packed In Oil)

Size	Samarium, Sm (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSMMX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTSMMX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTSMMX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTSMMX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTSMMX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTSMMX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTSMMX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTSMMX304A4		Call

■ Selenium, Se (Bond, Porosity, Surface Imperfections)

Size	Selenium, Se (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSEX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTSEX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTSEX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSEX502A4		Call
3.00" Diameter x 0.125" Thickness	EJTSEX503A2		Call
3.00" Diameter x 0.250" Thickness	EJTSEX503A4		Call
4.00" Diameter x 0.125" Thickness	EJTSEX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTSEX504A4		Call



Samarium, Sm

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Deposition Materials

➤ **Silicon**■ **Silicon Si, Undoped** (Bond)

Size	Silicon (Si), Undoped (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSIXX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTSIXX501A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTSIXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSIXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTSIXX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTSIXX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTSIXX504A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTSIXX504A4		Call
6.00" Diameter x 0.125" Thickness	EJTSIXX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTSIXX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTSIXX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTSIXX508A4		Call

■ **Silicon Si, N-Type** (Bond)
(**<0.1 Ohm-cm resistivity**)

Size	Silicon (Si), N-Type (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNSIX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTNSIX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTNSIX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTNSIX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTNSIX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTNSIX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTNSIX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTNSIX504A4		Call
6.00" Diameter x 0.125" Thickness	EJTNSIX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTNSIX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTNSIX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTNSIX508A4		Call
4.75" x 14.875" x 0.250"	EJTNSIXMRCA4		Call

■ **Silicon Si, P-Type** (Bond)
(**0.005–0.020 Ohm-cm resistivity**)

Size	Silicon (Si), P-Type (0.005–0.020 ohm-cm) (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTPSIX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTPSIX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTPSIX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTPSIX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTPSIX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTPSIX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTPSIX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTPSIX504A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTPSIX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTPSIX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTPSIX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTPSIX508A4	•	Call

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Deposition Materials

➤ Silicon Compounds

■ Silicon Carbide, SiC (Bond)

Size	Silicon Carbide, SiC (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSICX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTSICX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTSICX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSICX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTSICX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTSICX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTSICX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTSICX254A4		Call



Silicon Carbide, SiC

■ Silicon Dioxide, SiO₂ (Bond)

Size	Silicon Dioxide, SiO ₂ (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSIO2451A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTSIO2451A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTSIO2452A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSIO2452A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTSIO2453A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTSIO2453A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTSIO2454A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTSIO2454A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTSIO2456A2		Call
6.00" Diameter x 0.250" Thickness	EJTSIO2456A4		Call
8.00" Diameter x 0.250" Thickness	EJTSIO2458A4	•	Call



Silicon Dioxide, SiO₂

■ Silicon Monoxide, SiO (Bond)

Size	Silicon Monoxide, SiO (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSIOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTSIOX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTSIOX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTSIOX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTSIOX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTSIOX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTSIOX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTSIOX304A4		Call
6.00" Diameter x 0.250" Thickness	EJTSIOX306A4		Call
8.00" Diameter x 0.250" Thickness	EJTSIOX308A4		Call

■ Silicon Nitride, Si₃N₄ (Bond)

Size	Silicon Nitride, Si ₃ N ₄ (excl. Mg-based binder) (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSINX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTSINX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTSINX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTSINX302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTSINX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTSINX303A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTSINX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTSINX304A4		Call



Silicon Nitride, Si₃N₄

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Deposition Materials

► Silver, Strontium & Strontium Titanate

■ Silver, Ag



Silver, Ag

Size	Silver, Ag (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTAGXX401A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTAGXX401A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTAGXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTAGXX402A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTAGXX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTAGXX403A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTAGXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTAGXX404A4		Call
6.00" Diameter x 0.250" Thickness	EJTAGXX406A4		Call
8.00" Diameter x 0.250" Thickness	EJTAGXX408A4		Call

■ Strontium, Sr (May Be Packed In Oil)



Strontium, Sr

Size	Strontium, Sr (98% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSRXX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTSRXX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTSRXX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTSRXX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTSRXX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTSRXX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTSRXX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTSRXX254A4		Call

■ Strontium Titanate, SrTiO₃ (Bond)

Strontium Titanate, SrTiO₃

Size	Strontium Titanate, SrTiO ₃ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSRTO301A2		Call
1.00" Diameter x 0.250" Thickness	EJTSRTO301A4		Call
2.00" Diameter x 0.125" Thickness	EJTSRTO302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSRTO302A4		Call
3.00" Diameter x 0.125" Thickness	EJTSRTO303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTSRTO303A4		Call
4.00" Diameter x 0.125" Thickness	EJTSRTO304A2		Call
4.00" Diameter x 0.250" Thickness	EJTSRTO304A4		Call

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Deposition Materials

► Tantalum & Compounds

■ Tantalum, Ta

Size	Tantalum, Ta (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTAXX351A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTTAXX351A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTTAXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTAXX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTTAXX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTTAXX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTTAXX354A2		Call
4.00" Diameter x 0.250" Thickness	EJTTAXX354A4	•	Call
6.00" Diameter x 0.250" Thickness	EJTTAXX356A4		Call
8.00" Diameter x 0.125" Thickness	EJTTAXX358A2		Call
8.00" Diameter x 0.250" Thickness	EJTTAXX358A4		Call



Tantalum, Ta

■ Tantalum Carbide, TaC (Bond)

Size	Tantalum Carbide, TaC (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTACX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTTACX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTTACX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTTACX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTTACX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTTACX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTTACX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTTACX254A4		Call
6.00" Diameter x 0.250" Thickness	EJTTACX256A4		Call
8.00" Diameter x 0.250" Thickness	EJTTACX258A4		Call

■ Tantalum Nitride, TaN (Bond)

Size	Tantalum Nitride, TaN (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTANX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTTANX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTTANX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTTANX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTTANX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTTANX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTTANX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTTANX254A4		Call

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Deposition Materials

➤ *Tantalum Compounds*■ **Tantalum Oxide, Ta₂O₅** (Bond)

Size	Tantalum Oxide, Ta ₂ O ₅ (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTAOX451A2		Call
1.00" Diameter x 0.250" Thickness	EJTTAOX451A4		Call
2.00" Diameter x 0.125" Thickness	EJTTAOX452A2		Call
2.00" Diameter x 0.250" Thickness	EJTTAOX452A4		Call
3.00" Diameter x 0.125" Thickness	EJTTAOX453A2		Call
3.00" Diameter x 0.250" Thickness	EJTTAOX453A4		Call
4.00" Diameter x 0.125" Thickness	EJTTAOX454A2		Call
4.00" Diameter x 0.250" Thickness	EJTTAOX454A4		Call

■ **Tantalum Silicide, TaSi₂** (Bond)

Size	Tantalum Silicide, TaSi ₂ (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTASI251A2		Call
1.00" Diameter x 0.250" Thickness	EJTASI251A4		Call
2.00" Diameter x 0.125" Thickness	EJTASI252A2		Call
2.00" Diameter x 0.250" Thickness	EJTASI252A4		Call
3.00" Diameter x 0.125" Thickness	EJTASI253A2		Call
3.00" Diameter x 0.250" Thickness	EJTASI253A4		Call
4.00" Diameter x 0.125" Thickness	EJTASI254A2		Call
4.00" Diameter x 0.250" Thickness	EJTASI254A4		Call

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► Tellurium, Terbium, Tin & Tin Oxide

■ Tellurium, Te (Porosity, Surface Imperfections)

Size	Tellurium, Te (99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTEXX501A2		Call
1.00" Diameter x 0.250" Thickness	EJTTEXX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTTEXX502A2		Call
2.00" Diameter x 0.250" Thickness	EJTTEXX502A4		Call
3.00" Diameter x 0.125" Thickness	EJTTEXX503A2		Call
3.00" Diameter x 0.250" Thickness	EJTTEXX503A4		Call
4.00" Diameter x 0.125" Thickness	EJTTEXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTTEXX504A4		Call

■ Terbium, Tb (May Be Packed In Oil)

Size	Terbium, Tb (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTBXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTTBXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTTBXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTTBXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTTBXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTTBXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTTBXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTTBXX304A4		Call

■ Tin, Sn

Size	Tin, Sn (99.998% - 99.999% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSNXX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTSNXX501A4		Call
2.00" Diameter x 0.125" Thickness	EJTSNXX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTSNXX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTSNXX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTSNXX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTSNXX504A2		Call
4.00" Diameter x 0.250" Thickness	EJTSNXX504A4		Call
6.00" Diameter x 0.125" Thickness	EJTSNXX506A2		Call
6.00" Diameter x 0.250" Thickness	EJTSNXX506A4		Call
8.00" Diameter x 0.125" Thickness	EJTSNXX508A2		Call
8.00" Diameter x 0.250" Thickness	EJTSNXX508A4		Call

■ Tin Oxide, SnO₂ (Bond)

Size	Tin Oxide, SnO ₂ (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTSNOX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTSNOX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTSNOX402A2		Call
2.00" Diameter x 0.250" Thickness	EJTSNOX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTSNOX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTSNOX403A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTSNOX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTSNOX404A4		Call



Tin, Sn



Tin Oxide, SnO₂

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Deposition Materials

➤ **Titanium & Compounds**■ **Titanium, Ti**

Titanium, Ti

Titanium, Ti (99.995% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTIXX451A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTTIXX451A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTTIXX452A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTIXX452A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTTIXX453A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTTIXX453A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTTIXX454A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTTIXX454A4	•	Call
5.00" Diameter x 0.250" Thickness	EJTTIXX455A4	•	Call
6.00" Diameter x 0.125" Thickness	EJTTIXX456A2		Call
6.00" Diameter x 0.250" Thickness	EJTTIXX456A4	•	Call
8.00" Diameter x 0.125" Thickness	EJTTIXX458A2		Call
8.00" Diameter x 0.250" Thickness	EJTTIXX458A4		Call
Titanium, Ti (99.97%–99.98% Purity)			
1.00" Diameter x 0.125" Thickness	EJTTIXX371A2		Call
1.00" Diameter x 0.250" Thickness	EJTTIXX371A4		Call
2.00" Diameter x 0.125" Thickness	EJTTIXX372A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTIXX372A4		Call
3.00" Diameter x 0.125" Thickness	EJTTIXX373A2		Call
3.00" Diameter x 0.250" Thickness	EJTTIXX373A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTTIXX374A2		Call
4.00" Diameter x 0.250" Thickness	EJTTIXX374A4		Call
6.00" Diameter x 0.250" Thickness	EJTTIXX376A4		Call
8.00" Diameter x 0.250" Thickness	EJTTIXX378A4		Call
Titanium, Ti; (Grade II)			
1.00" Diameter x 0.125" Thickness	EJTTIXX271A2		Call
1.00" Diameter x 0.250" Thickness	EJTTIXX271A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTTIXX272A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTIXX272A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTTIXX273A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTTIXX273A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTTIXX274A2		Call
4.00" Diameter x 0.250" Thickness	EJTTIXX274A4		Call
6.00" Diameter x 0.250" Thickness	EJTTIXX276A4		Call
8.00" Diameter x 0.250" Thickness	EJTTIXX278A4		Call

■ **Titanium Boride, TiB₂ (Bond)**

Titanium Boride, TiB ₂ (99.5% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTIBX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTIBX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTIBX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTIBX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTIBX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTIBX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTIBX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTIBX254A4		Call

■ **Titanium Carbide, TiC (Bond)**

Titanium Carbide, TiC (99.5% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTICX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTICX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTICX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTICX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTICX253A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTICX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTICX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTICX254A4		Call



Titanium Carbide, TiC

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Deposition Materials

➤ Titanium Compounds

■ Titanium Monoxide, TiO (Bond)

Size	Titanium Monoxide, TiO (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTIOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTTIOX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTTIOX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTTIOX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTTIOX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTTIOX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTTIOX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTTIOX304A4		Call
6.00" Diameter x 0.250" Thickness	EJTTIOX306A4		Call
8.00" Diameter x 0.250" Thickness	EJTTIOX308A4		Call

■ Titanium Disilicide, $TiSi_2$ (Bond)

Size	Titanium Disilicide, $TiSi_2$ (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTISI251A2		Call
1.00" Diameter x 0.250" Thickness	EJTTISI251A4		Call
2.00" Diameter x 0.125" Thickness	EJTTISI252A2		Call
2.00" Diameter x 0.250" Thickness	EJTTISI252A4		Call
3.00" Diameter x 0.125" Thickness	EJTTISI253A2		Call
3.00" Diameter x 0.2505" Thickness	EJTTISI253A4		Call
4.00" Diameter x 0.125" Thickness	EJTTISI254A2		Call
4.00" Diameter x 0.250" Thickness	EJTTISI254A4		Call
6.00" Diameter x 0.250" Thickness	EJTTISI256A4		Call
8.00" Diameter x 0.250" Thickness	EJTTISI258A4		Call

■ Titanium Dioxide, TiO_2 (Bond)

Size	Titanium Dioxide, TiO_2 (99.9% Purity) Grey to Black Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTIO2301A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTTIO2301A4		Call
2.00" Diameter x 0.125" Thickness	EJTTIO2302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTIO2302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTTIO2303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTTIO2303A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTTIO2304A2		Call
4.00" Diameter x 0.250" Thickness	EJTTIO2304A4		Call

Size	Titanium Dioxide, TiO_2 (99.99% Purity) Beige to White Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTIO2401A2		Call
1.00" Diameter x 0.250" Thickness	EJTTIO2401A4		Call
2.00" Diameter x 0.125" Thickness	EJTTIO2402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTIO2402A4		Call
3.00" Diameter x 0.125" Thickness	EJTTIO2403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTTIO2403A4		Call
4.00" Diameter x 0.125" Thickness	EJTTIO2404A2		Call
4.00" Diameter x 0.250" Thickness	EJTTIO2404A4		Call

■ Titanium Nitride, TiN (Bond)

Size	Titanium Nitride, TiN (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTTINX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTTINX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTTINX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTTINX252A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTTINX253A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTTINX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTTINX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTTINX254A4		Call



Titanium Dioxide, TiO_2



Titanium Nitride, TiN

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Deposition Materials

➤ Tungsten & Compounds



Tungsten, W

■ Tungsten, W

Size	Tungsten, W (99.95% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTWXXX351A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTWXXX351A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTWXXX352A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTWXXX352A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTWXXX353A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTWXXX353A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTWXXX354A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTWXXX354A4	•	Call
6.000" Diameter x 0.250" Thickness	EJTWXXX356A4		Call
8.00" Diameter x 0.125" Thickness	EJTWXXX358A2		Call
8.00" Diameter x 0.250" Thickness	EJTWXXX358A4		Call

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Deposition Materials

■ Tungsten Carbide, WC (Bond)

Size	Tungsten Carbide, WC (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJWCXX251A2		Call
1.00" Diameter x 0.250" Thickness	EJWCXX251A4		Call
2.00" Diameter x 0.125" Thickness	EJWCXX252A2		Call
2.00" Diameter x 0.250" Thickness	EJWCXX252A4		Call
3.00" Diameter x 0.125" Thickness	EJWCXX253A2		Call
3.00" Diameter x 0.250" Thickness	EJWCXX253A4		Call
4.00" Diameter x 0.125" Thickness	EJWCXX254A2		Call
4.00" Diameter x 0.250" Thickness	EJWCXX254A4		Call

Tungsten Oxide, WO₃

■ Tungsten Oxide, WO₃ (Bond)

Size	Tungsten Oxide, WO ₃ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTWOXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTWOXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTWOXX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTWOXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTWOXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTWOXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTWOXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTWOXX304A4		Call

➤ Tungsten Compounds & Alloys

■ Tungsten Disilicide, WSi_2 (Bond)

Size	Tungsten Disilicide, WSi_2 (99.95% Purity)		Stocked Item	Price
	Part No.			
1.00" Diameter x 0.125" Thickness	EJTWSEX251A2			Call
1.00" Diameter x 0.250" Thickness	EJTWSEX251A4			Call
2.00" Diameter x 0.125" Thickness	EJTWSEX252A2			Call
2.00" Diameter x 0.250" Thickness	EJTWSEX252A4			Call
3.00" Diameter x 0.125" Thickness	EJTWSEX253A2			Call
3.00" Diameter x 0.250" Thickness	EJTWSEX253A4			Call

■ Tungsten Disulfide, WS_2 (Bond)

Size	Tungsten Disulfide, WS_2 (99.8% Purity)		Stocked Item	Price
	Part No.			
1.00" Diameter x 0.125" Thickness	EJTWSXX281A2			Call
1.00" Diameter x 0.250" Thickness	EJTWSXX281A4			Call
2.00" Diameter x 0.125" Thickness	EJTWSXX282A2			Call
2.00" Diameter x 0.250" Thickness	EJTWSXX282A4			Call
3.00" Diameter x 0.125" Thickness	EJTWSXX283A2			Call
3.00" Diameter x 0.250" Thickness	EJTWSXX283A4			Call
4.00" Diameter x 0.125" Thickness	EJTWSXX284A2			Call
4.00" Diameter x 0.250" Thickness	EJTWSXX284A4			Call
5.00" Diameter x 0.125" Thickness	EJTWSXX285A2			Call
5.00" Diameter x 0.250" Thickness	EJTWSXX285A4			Call
6.00" Diameter x 0.250" Thickness	EJTWSXX286A4			Call
8.00" Diameter x 0.250" Thickness	EJTWSXX288A4			Call

■ Tungsten/Titanium, W/Ti 90/10 wt%

Size	Tungsten/ Titanium, WTi 90/10 wt%(99.99% Purity)		Stocked Item	Price
	Part No.			
1.00" Diameter x 0.125" Thickness	EJTWXTI401A2			Call
1.00" Diameter x 0.250" Thickness	EJTWXTI401A4			Call
2.00" Diameter x 0.125" Thickness	EJTWXTI402A2			Call
2.00" Diameter x 0.125" Thickness	EJTWXTI402A4			Call
3.00" Diameter x 0.125" Thickness	EJTWXTI403A2			Call
3.00" Diameter x 0.125" Thickness	EJTWXTI403A4			Call
4.00" Diameter x 0.125" Thickness	EJTWXTI404A2			Call
4.00" Diameter x 0.125" Thickness	EJTWXTI404A4			Call
6.00" Diameter x 0.125" Thickness	EJTWXTI406A2			Call
6.00" Diameter x 0.125" Thickness	EJTWXTI406A4			Call
8.00" Diameter x 0.125" Thickness	EJTWXTI408A4			Call

➤ Vanadium & Compounds



Vanadium

■ Vanadium, V

Size	Vanadium, V (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTVXXX251A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTVXXX251A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTVXXX252A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTVXXX252A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTVXXX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTVXXX253A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTVXXX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTVXXX254A4		Call

■ Vanadium Carbide, VC (Bond)

Size	Vanadium Carbide, VC (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTVCCX251A2		Call
1.00" Diameter x 0.250" Thickness	EJTVCCX251A4		Call
2.00" Diameter x 0.125" Thickness	EJTVCCX252A2		Call
2.00" Diameter x 0.250" Thickness	EJTVCCX252A4		Call
3.00" Diameter x 0.125" Thickness	EJTVCCX253A2		Call
3.00" Diameter x 0.250" Thickness	EJTVCCX253A4		Call
4.00" Diameter x 0.125" Thickness	EJTVCCX254A2		Call
4.00" Diameter x 0.250" Thickness	EJTVCCX254A4		Call

■ Vanadium Oxide, V₂O₅ (Bond, As Pressed)

Size	Vanadium Oxide, V ₂ O ₅ (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTV0XX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTV0XX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTV0XX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTV0XX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTV0XX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTV0XX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTV0XX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTV0XX304A4		Call
6.00" Diameter x 0.250" Thickness	EJTV0XX306A4		Call
8.00" Diameter x 0.250" Thickness	EJTV0XX308A4		Call

Vanadium Oxide V₂O₅

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Deposition Materials

➤ Ytterbium & Ytterbium Oxide

■ Ytterbium, Yb (May Be Packed In Oil)

Size	Ytterbium, Yb (99.9% Purity TREM) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTYBXX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTYBXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTYBXX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTYBXX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTYBXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTYBXX303A4		Call

■ Ytterbium Oxide, Yb₂O₃ (Bond)

Size	Ytterbium Oxide, Yb ₂ O ₃ (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTYBOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTYBOX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTYBOX302A2		Call
2.00" Diameter x 0.250" Thickness	EJTYBOX302A4		Call
3.00" Diameter x 0.125" Thickness	EJTYBOX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTYBOX303A4		Call

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Deposition Materials

Did You Know?
We are a leading manufacturer of Thin Film Deposition Tools for Solar.

OPVs

CPVs

CIS/CIGS

Se Evap Source

Thin Film PV

➤ *Yttrium & Yttrium Oxide, Zinc*

Yttrium, Y

■ **Yttrium, Y** (May Be Packed In Oil)

Size	Yttrium, Y (99.9% Purity) TREM Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTYXXX301A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTYXXX301A4		Call
2.00" Diameter x 0.125" Thickness	EJTYXXX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTYXXX302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTYXXX303A2		Call
3.00" Diameter x 0.250" Thickness	EJTYXXX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTYXXX304A2		Call
4.00" Diameter x 0.250" Thickness	EJTYXXX304A4		Call

Yttrium Oxide, Y₂O₃■ **Yttrium Oxide, Y₂O₃** (Bond)

Size	Yttrium Oxide, Y ₂ O ₃ (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTYOXX401A2		Call
1.00" Diameter x 0.250" Thickness	EJTYOXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTYOXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTYOXX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTYOXX403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTYOXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTYOXX404A2		Call
4.00" Diameter x 0.250" Thickness	EJTYOXX404A4		Call



Zinc, Zn

■ **Zinc, Zn**

Size	Zinc, Zn (99.994%-99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTZNXX451A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTZNXX451A4		Call
2.00" Diameter x 0.125" Thickness	EJTZNXX452A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTZNXX452A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTZNXX453A2		Call
3.00" Diameter x 0.250" Thickness	EJTZNXX453A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTZNXX454A2		Call
4.00" Diameter x 0.250" Thickness	EJTZNXX454A4		Call
6.00" Diameter x 0.250" Thickness	EJTZNXX456A4		Call
8.00" Diameter x 0.250" Thickness	EJTZNXX458A4		Call
Zinc, Zn (99.99% Purity)			
1.00" Diameter x 0.125" Thickness	EJTZNXX401A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTZNXX401A4		Call
2.00" Diameter x 0.125" Thickness	EJTZNXX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTZNXX402A4		Call
3.00" Diameter x 0.125" Thickness	EJTZNXX403A2		Call
3.00" Diameter x 0.250" Thickness	EJTZNXX403A4		Call
4.00" Diameter x 0.125" Thickness	EJTZNXX404A2		Call

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Deposition Materials

➤ Zinc Compounds

■ Zinc Oxide, ZnO (Bond)

Zinc Oxide, ZnO (99.999% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTZNOX501A2	•	Call
1.00" Diameter x 0.250" Thickness	EJTZNOX501A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTZNOX502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTZNOX502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTZNOX503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTZNOX503A4	•	Call
4.00" Diameter x 0.125" Thickness	EJTZNOX504A2	•	Call
4.00" Diameter x 0.250" Thickness	EJTZNOX504A4	•	Call
Zinc Oxide, ZnO (99.9% Purity)			
1.00" Diameter x 0.125" Thickness	EJTZNOX301A2		Call
1.00" Diameter x 0.250" Thickness	EJTZNOX301A4	•	Call
2.00" Diameter x 0.125" Thickness	EJTZNOX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTZNOX302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTZNOX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTZNOX303A4		Call
4.00" Diameter x 0.125" Thickness	EJTZNOX304A2		Call
6.00" Diameter x 0.250" Thickness	EJTZNOX306A4		Call
8.00" Diameter x 0.250" Thickness	EJTZNOX308A4		Call



Zinc Oxide, ZnO

■ Zinc Oxide Aluminum Oxide, ZnO/Al₂O₃ 98/2 wt% (Bond)

Zinc Oxide Aluminum Oxide, ZnO/Al ₂ O ₃ 98/2 wt% (99.999% Purity)			
Size	Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTZNOA401A2		Call
1.00" Diameter x 0.250" Thickness	EJTZNOA401A4		Call
2.00" Diameter x 0.125" Thickness	EJTZNOA402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTZNOA402A4		Call
3.00" Diameter x 0.125" Thickness	EJTZNOA403A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTZNOA403A4		Call
4.00" Diameter x 0.125" Thickness	EJTZNOA404A2		Call
4.00" Diameter x 0.250" Thickness	EJTZNOA404A4		Call
6.00" Diameter x 0.250" Thickness	EJTZNOA406A4		Call
8.00" Diameter x 0.250" Thickness	EJTZNOA408A4		Call
Zinc Oxide Aluminum Oxide, ZnO/Al ₂ O ₃ 98/2 wt% (99.99% Purity)			
1.00" Diameter x 0.125" Thickness	EJTZNOA501A2		Call
1.00" Diameter x 0.250" Thickness	EJTZNOA501A4		Call
2.00" Diameter x 0.125" Thickness	EJTZNOA502A2	•	Call
2.00" Diameter x 0.250" Thickness	EJTZNOA502A4	•	Call
3.00" Diameter x 0.125" Thickness	EJTZNOA503A2	•	Call
3.00" Diameter x 0.250" Thickness	EJTZNOA503A4		Call
4.00" Diameter x 0.125" Thickness	EJTZNOA504A2		Call
4.00" Diameter x 0.250" Thickness	EJTZNOA504A4		Call
6.00" Diameter x 0.250" Thickness	EJTZNOA506A4		Call
7.00" Diameter x 0.125" Thickness	EJTZNOA507A2		Call
7.00" Diameter x 0.250" Thickness	EJTZNOA507A4		Call
8.00" Diameter x 0.250" Thickness	EJTZNOA508A4		Call

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Deposition Materials

➤ Zinc Compounds & Zirconium

■ Zinc Selenide, ZnSe (Bond)

Size	Zinc Selenide, ZnSe (99.995% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJTNSE451A2		Call
1.00" Diameter x 0.250" Thickness	EJTNSE451A4		Call
2.00" Diameter x 0.125" Thickness	EJTNSE452A2		Call
2.00" Diameter x 0.250" Thickness	EJTNSE452A4		Call
3.00" Diameter x 0.125" Thickness	EJTNSE453A2		Call
3.00" Diameter x 0.250" Thickness	EJTNSE453A4		Call

■ Zinc Sulfide, ZnS (Bond)

Size	Zinc Sulfide, ZnS (99.99% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJZNSX401A2		Call
1.00" Diameter x 0.250" Thickness	EJZNSX401A4	•	Call
2.00" Diameter x 0.125" Thickness	EJZNSX402A2	•	Call
2.00" Diameter x 0.250" Thickness	EJZNSX402A4		Call
3.00" Diameter x 0.125" Thickness	EJZNSX403A2		Call
3.00" Diameter x 0.250" Thickness	EJZNSX403A4	•	Call
4.00" Diameter x 0.125" Thickness	EJZNSX404A2		Call
4.00" Diameter x 0.250" Thickness	EJZNSX404A4		Call

■ Zinc Telluride, ZnTe (Bond)

Size	Zinc Telluride, ZnTe (Grade 702) Part No.	Stocked Item	Price
2.00" Diameter x 0.125" Thickness	EJZRXX272A2	•	Call
2.00" Diameter x 0.250" Thickness	EJZRXX272A4	•	Call
3.00" Diameter x 0.125" Thickness	EJZRXX273A2	•	Call
4.00" Diameter x 0.125" Thickness	EJZRXX274A2	•	Call
4.00" Diameter x 0.250" Thickness	EJZRXX274A4		Call
6.00" Diameter x 0.250" Thickness	EJZRXX276A4		Call
7.00" Diameter x 0.250" Thickness	EJZRXX277A4		Call

■ Zirconium, Zr

Size	Zirconium, Zr (Grade 702) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJZRXX271A2	•	Call
1.00" Diameter x 0.250" Thickness	EJZRXX271A4	•	Call
2.00" Diameter x 0.125" Thickness	EJZRXX272A2	•	Call
2.00" Diameter x 0.250" Thickness	EJZRXX272A4	•	Call
3.00" Diameter x 0.125" Thickness	EJZRXX273A2	•	Call
3.00" Diameter x 0.250" Thickness	EJZRXX273A4	•	Call
4.00" Diameter x 0.125" Thickness	EJZRXX274A2	•	Call
4.00" Diameter x 0.250" Thickness	EJZRXX274A4		Call



Zinc Sulfide, ZnS



Zirconium, Zr

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Deposition Materials

➤ Zirconium Compounds

■ Zirconium Carbide, ZrC (Bond)

Size	Zirconium Carbide, ZrC (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJZRXC251A2		Call
1.00" Diameter x 0.250" Thickness	EJZRXC251A4		Call
2.00" Diameter x 0.125" Thickness	EJZRXC252A2		Call
2.00" Diameter x 0.250" Thickness	EJZRXC252A4		Call
3.00" Diameter x 0.125" Thickness	EJZRXC253A2		Call
3.00" Diameter x 0.250" Thickness	EJZRXC253A4		Call
4.00" Diameter x 0.125" Thickness	EJZRXC254A2		Call
4.00" Diameter x 0.250" Thickness	EJZRXC254A4		Call

■ Zirconium Nitride, ZrN (Bond)

Size	Zirconium Nitride, ZrN (99.5% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJZRNX251A2		Call
1.00" Diameter x 0.250" Thickness	EJZRNX251A4		Call
2.00" Diameter x 0.125" Thickness	EJZRNX252A2		Call
2.00" Diameter x 0.250" Thickness	EJZRNX252A4		Call
3.00" Diameter x 0.125" Thickness	EJZRNX253A2		Call
3.00" Diameter x 0.250" Thickness	EJZRNX253A4		Call

■ Zirconium Oxide, ZrO₂ (Bond)

Size	Zirconium Oxide, ZrO ₂ (8 wt % Y ₂ O ₃ , Fully Stabilized) (99.9% Purity) Part No.	Stocked Item	Price
1.00" Diameter x 0.125" Thickness	EJZROX301A2		Call
1.00" Diameter x 0.250" Thickness	EJZROX301A4		Call
2.00" Diameter x 0.125" Thickness	EJZROX302A2	•	Call
2.00" Diameter x 0.250" Thickness	EJZROX302A4	•	Call
3.00" Diameter x 0.125" Thickness	EJZROX303A2	•	Call
3.00" Diameter x 0.250" Thickness	EJZROX303A4		Call
4.00" Diameter x 0.125" Thickness	EJZROX304A2		Call
4.00" Diameter x 0.250" Thickness	EJZROX304A4		Call

* Partially stabilized ZrO₂ available upon request.



Zirconium Oxide, ZrO₂

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Deposition Materials

► Production Materials Explained



The Kurt J. Lesker Company Materials Group serves a growing number of Production Materials customers globally. We define Production Materials customers as those using large-sized targets, usually in high volumes. We also include customers who use pounds and kilograms of evaporation materials, or those using many thermal sources for evaporation in this category. In essence, production customers are making a product for sale, instead of research- and development-type laboratory experiments.



Decorative Coatings



Electronic Coatings



Metallizing



Hard Coatings

Kurt J. Lesker Company has the equipment and capabilities to produce in high volume and customize for specific applications. From large OEM manufacturers to smaller companies-we do it all!

Because of the customer-specific nature of Production Materials, we find it necessary to be directly involved with our customers. This helps to avoid communication errors while better understanding each customer's needs. We work to review drawings with customers and develop samples for approval testing.

We pride ourselves on keeping our customers up and running, making sure they don't run out of crucial Materials products.

Production targets are available for many popular industries. We serve customers from basic metallizing through semiconductor applications.

We offer common metals, from Al to Zr; ceramics, like Al_2O_3 and ITO; and much more.

We supply evaporation materials for a wide range of industries, including optical coating, electronic device manufacture, and lighting.

Our Production Materials are designed to offer the larger package sizes and competitive prices needed within the manufacturing community. While we strive to offer a wide assortment of products, please feel free to inquire if you need a special material that is not shown.



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Deposition Materials

► *Production Materials Explained*

Common products we supply for production vacuum systems include Tungsten filaments and related thermal sources. We are a global leader in supplying these sources for lighting and basic metallizing markets.

We stock sources for popular systems from Leybold, Stokes, Galileo, Balzers, and more. Another strong product line is our e-beam liners, made from carbon or other metal and ceramic materials, as appropriate.

You will find all of these products and much more in stock and ready to ship to you today.



We understand that change is not easy, and we look forward to partnering together as a preferred supplier for you and your business.

Production Materials

Sputter Targets

We manufacture a wide range of target materials designed to meet the demanding needs of Production vacuum customers. We work very closely with our Production customers and have dedicated staff to make sure that you are treated with care and respect. Many times we develop custom supply chain programs with our customers, including strategic Blanket Orders, consignment inventories, and more. We offer exceptional values on metals like Al, Ti, Cr, and in organic like SiO₂ and ITO. Our manufacturing capabilities include targets up to 16" diameter or linear lengths of up to 150". Please feel free to contact us today and learn more about Lesker Materials and how we can best serve you.

Evaporation Materials

Lesker Materials also stocks a huge assortment of popular metals and in organic for e-beam and thermal evaporation. We have popular materials like Al, Cr, Ni, and more in multiple sizes and purities available for immediate shipment. The products are packaged in pound-to-kilogram quantities and offer the quality and value needed in today's competitive manufacturing environment. We have expanded our selection of Optical Materials like Ta₂O₅, SiO and more, to better serve this growing market.

Precious Metals

Our capabilities in precious metals have expanded considerably in recent years. We are now able to serve our customers with extensive inventories of precious metal finished products. We are pleased to offer 100–1,000 gram quantities from stock on Au, Pt, and Pd pellets and shot for evaporation. Lesker Materials also surpasses the competition by offering firm fixed prices at the time of order and by extending payment terms to our customers.

Thermal Sources

We are a global leader in supplying thermal sources, made from tungsten, into the metallizing market. We are able to offer all shapes and sizes to fit popular systems from Leybold, Stokes, Galileo, and more. These crucial parts are shipped from multiple locations to offer the lowest cost and fastest deliveries to our customers. We work together to develop a strategic plan tailored to meet your particular needs.

Contact Information

For inquiries regarding pure materials as sputter target or evaporation pieces, please contact KJLC's Sales Department:

Fax: 412-384-2745

Email: sales@lesker.com

Web: www.lesker.com

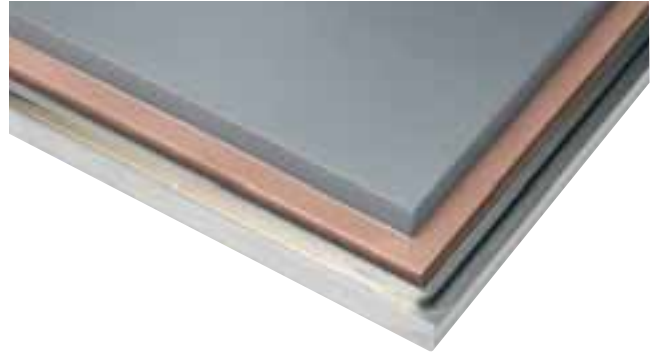
Visit our website for an online quotation at
www.lesker.com/MaterialsQuotation.cfm

Services

Indium Target Bonding Service

Indium bond targets to backing plates for increased thermal conductivity under high-power inputs.

- Many sputtering processes benefit from the higher thermal and electricity conductivity
- Required for most ceramic target materials to avoid cracking from thermal shock
- Easier de-bonding and cleanup of spent materials



Property	Typical Values
Maximum Operating Temperature (°C)	150°C
Thermal Conductivity (W/mK)	83
Coefficient of Thermal Expansion (K ⁻¹)	32.1 x 10 ⁻⁶
Electrical Resistivity (ohm-cm)	8 x 10 ⁻⁶
Bond Coverage	>95%
Bond Line Thickness	0.010" +/- 0.003"

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Deposition Materials

Conductive Elastomer Target Bonding Service

Conductive elastomers are used for specific materials and applications.

- Ideal for targets with low melting temperatures and reactive materials
- Offers a higher maximum temperature than indium bonding
- UHV rated

Property	Typical Values
Maximum Operating Temperature (°C)	250°C
Thermal Conductivity (W/mK)	54
Coefficient of Thermal Expansion (K ⁻¹)	2.2 x 10 ⁻⁴
Electrical Resistivity (ohm-cm)	0.0476
Bond Coverage	>98%
Bond Line Thickness	0.010" - 0.025"

Target Size	Target Material	Target Bonding Services	Part No.	Price
1" to 2" Diameter	Metal or Ceramic		EJBOND1-ELAS	Call
3" to 4" Diameter	Metal or Ceramic		EJBOND3-ELAS	Call
5" to 6" Diameter	Metal or Ceramic		EJBOND5-ELAS	Call
7" to 8" Diameter	Metal or Ceramic		EJBOND7-ELAS	Call
Over 8" Diameter or Linear Targets	Metal or Ceramic		—	Call

Order sputter target and bonding service together and receive a free copper backing plate for standard targets up to 4" diameter.

NOTE: Reference the material list in the catalogue and www.kjlc.bonding on our website for additional information and the recommended bonding method for your specific target materials. Call your sales representative for details and to order.

➤ **Services & Materials**

■ **Copper Cup Bonding**

Copper "cups" are backing plates with a raised lip around the circumference to reduce the clamping forces of the sputter gun's hold-down ring. This method is generally used when bonding fragile targets where the pressure may crack the targets. It requires a modification of the O.D. of standard targets and specifies non-standard target part numbers.

NOTE: Reference the material list in the catalog and www.kjlc.bonding on our website for additional information and the recommended bonding method for your specific target materials. Call your sales representative for details and to order.

■ **OFHC Copper Backing Plates**

Machined from oxygen-free, high-conductivity copper.

- For regular, circular disc-type sputtering sources
- Most sputter sources, including our TORUS® 1, 2, 3 cathodes, accept a 0.125" (1/8") thick target bonded to a 0.125" thick backing plate
- For targets of other thicknesses, choose the backing plate thickness to adjust the total thickness to 0.250" (1/4") to suit most applications

NOTE: Those identified in the chart by diameter and thickness only are plain discs without through or tapped holes. They are suitable for most circular target sources from other manufacturers, although they may need minor machining for screw, clamps, etc.

OFHC Copper Backing Plates		
Size (O.D. x Thickness)	Part No.	Price
1.0" x 0.0625"	EJBPCU01A1	Call
1.0" x 0.125"	EJBPCU01A2	Call
2.0" x 0.0625"	EJBPCU02A1	Call
2.0" x 0.125"	EJBPCU02A2	Call
3.0" x 0.0625"	EJBPCU03A1	Call
3.0" x 0.125"	EJBPCU03A2	Call
4.0" x 0.0625"	EJBPCU04A1	Call
4.0" x 0.125"	EJBPCU04A2	Call
5.0" x 0.0625"	EJBPCU05A1	Call
5.0" x 0.125"	EJBPCU05A2	Call
6.0" x 0.0625"	EJBPCU06A1	Call
6.0" x 0.125"	EJBPCU06A2	Call
6.0" x 0.250"	EJBPCU06A4	Call
7.0" x 0.125"	EJBPCU07A2	Call
7.0" x 0.250"	EJBPCU07A4	Call
8.0" x 0.125"	EJBPCU08A2	Call
8.0" x 0.250"	EJBPCU08A4	Call
TORUS 10 Full (6.375" x 0.50")	EJBPT10FULL	Call
OFHC Copper Backing Plate with Drilled Steel Keeper		
1.3" x 0.125"	EJBPCU01.3K+	Call
2.0" x 0.125"	EJBPCU02K2	Call
3.0" x 0.125"	EJBPCU03K2	Call
6.0" x 0.125"	EJBPCU06K2	Call

■ **Backing Plates for OEM Sources**

For use with popular sputtering systems from OEMs, including Perkin-Elmer, MRC, and CVC

- We stock all backing plates listed below; call for availability for other sputtering system models not shown
- Models listed meet or exceed the quality and reliability of the original parts

NOTE: Please contact our Materials Department at materials@lesker.com or fax us at 412-384-2573 for pricing and availability.

Source OEM	Compatible with Model(s)	Description	Part No.	Price
Perkin-Elmer	2400/4400	Standard Copper Backing Plate for RF Magnetron	EJBPA1921001	Call
Perkin-Elmer	2400/4400	Low-Carbon Iron & Copper Backing Plate for DC Magnetron	EJBPA1928101	Call
MRC	600/900	Standard Copper Backing Plate with Removable Stainless Steel Studs	EJBPA341005	Call
MRC	8600	Stainless Steel Backing Plate	EJBPA1923602	Call
CVC	601	Enhanced Copper Backing Plate with Serpentine Water Cooling Track	EJBPCUCVC601	Call

➤ **Materials**■ **Conductive Elastomer Discs and Sheets**

An economically attractive substitute for silver-filled pastes normally used in target bonding.

When placed between the back of a (clamped, not bonded) target and the cooling well of a magnetron sputter source, these sheets enhance thermal transfer, especially for targets that have poor thermal contact or conductance.

- Made of a vacuum-compatible 0.020" thick silicone rubber
- Contain silver-coated copper powder filler
- Reusable

SPECIFICATIONS

NASA Rating — Type A

Elastomer Binder — Silicone

Conductive Filler — Silver/Copper

Volume Resistivity
(as supplied) — 0.004 ohm-cm

Hardness — 65 Shore

Specific Gravity — 1.9

Tensile Strength — 200 psi

Elongation — 100%

Tear Strength — 40 lb./in.

Compression Set
(70 hrs @ 100°) — 32%

Low Temp Flex — -65°C

Max. Continuous Use Temp — 125°C

Conductive Elastomer Discs and Sheets		
Size	Part No.	Price
1.0" Diameter	EJBPEL01A	Call
25mm Diameter	EJBPEL025	Call
2.0" Diameter	EJBPEL02A	Call
3.0" Diameter	EJBPEL03A	Call
4.0" Diameter	EJBPEL04A	Call
100mm Diameter	EJBPEL100	Call
5.0" Diameter	EJBPEL05A	Call
125mm Diameter	EJBPEL125	Call
6.0" Diameter	EJBPEL06A	Call
150mm Diameter	EJBPEL150	Call
8.0" Diameter	EJBPEL08A	Call
200mm Diameter	EJBPEL200	Call
10.0" Diameter	EJBPEL10A	Call
250mm Diameter	EJBPEL250	Call
TORUS [®] 10E	EJBPELT10	Call
Bulk Sheet (10" x 15" x 0.02")	EJBPEL1015X2	Call

NOTE: For other sizes not listed, please contact our Materials Department at materials@lesker.com or fax us at 412-384-2573 for pricing and availability.

10 ■ **Epoxy System for DIY Target Bonding**

Our KL-325L silver-filled 2-part epoxy cement provides an economical means of bonding targets for the do-it-yourselfer.

- Economical alternative to indium or elastomer bonding—effectiveness varies with application
- Adhesion properties of glue combined with the thermal and electrical conductivity of silver
- Cure time is approximately 24 hours at 25° C
- In-vacuum use recommended at medium vacuum pressure ranges (10^{-3} Torr and above)

SPECIFICATIONS

Epoxy — KL-325K

Uncured Resin — Silver Paste

Volume Resistivity

@ 25° C — 0.001 ohm-cm

@ 100° C — N/A

Tensile Shear

@ 25° C — 1,200–2,500 psi

Shelf Life

@ Room Temperature — 4–5 mo

Pot Life

@ Room Temperature — 1–2 hrs

Cure Cycle

(After Mixing) — 18hr @ 25° C;

2hr @ 60° C

Thermal Conductivity

cal/sec/cm²/°C/cm — 25×10^{-4}

Coeff. of Expansion cm/cm/°C — N/A

Working Temperature — -60° C to 175° C

Silver Vacuum Epoxy for Target Bonding		
Description	Part No.	Price
Silver Vacuum Epoxy	KL-325K	Call

■ **Silver-Filled Paste**

Made specifically for sputter targets.

This viscous sealant fills small scratches and surface imperfections better than indium foil, often dramatically improving target cooling.

- A mixture of low vapor pressure vacuum fluid and silver powder
- Combines excellent thermal/electrical conductive properties with high vacuum compatibility
- No silicone-based material
- Does not harden

SPECIFICATIONS

Operating Range — 10°C–160° C

Vapor Pressure @ 20° C — 2×10^{-9} Torr

Density — 1.97 g/cc

Color — Gray

- Can be removed with methanol or acetone to leave a virtually contamination-free surface

- Its electrical conduction makes it perfect for DC sputtering

Contents:

- Each jar contains sufficient paste to coat a 5" x 15" rectangle or a 10" diameter circle
- Includes utensils for applying and spreading the paste

DIRECTIONS: Apply the silver-filled paste to the contact surfaces between the back of the sputter target and cooling plate.

Silver-Filled Paste		
Description	Size	Part No.
Silver-Filled Paste	50 g Jar	EJAGPASTE50G

Price
Call

NOTE: Do not use silver-filled paste on ceramic or porous metal targets.