

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 ⁷ / 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)		Stocked Item	Price
		Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
		Amount	Part No.		
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)		Stocked Item	Price
		Amount	Part No.		
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

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

Aluminum Oxide, Al₂O₃

■ Aluminum Oxide, Al₂O₃: Pieces

Size	Aluminum Oxide, Al ₂ O ₃ (99.99% Purity)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
3mm - 6mm Pieces	50 g	EVMBBA3-6MMB		Call
3mm - 6mm Pieces	100 g	EVMBBA3-6MMD		Call
3mm - 6mm Pieces	200 g	EVMBBA253-6MM		Call

■ Bismuth, Bi: Pieces

Size	Bismuth, Bi (99.999% Purity)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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, B₄C: Pieces

Size	Boron Carbide, B ₄ C (99.5% Purity)		Stocked Item	Price
	Amount	Part No.		
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



- 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**

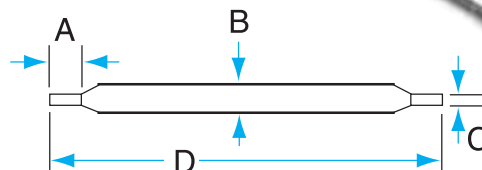
Size	Chromium Oxide, Cr ₂ O ₃ (99.7% Purity) Amount	Part No.	Stocked Item	Price
3mm - 6mm Pieces	500g	EVMCROX3-6MM		Call
3mm - 6mm Pieces	250g	EVMCROX3-6MMJ		Call
3mm - 6mm Pieces	1kg	EVMCROX3-6MMKG		Call

■ **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

► Cobalt, Copper, Dysprosium & Erbium



Cobalt, Co

■ Cobalt, Co: Pellets

Size	Cobalt, Co (99.95% Purity)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
< 5mm	100 g	EVMDYX5MM-D	•	Call

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

Size	Erbium, Er (99.9% Purity TREM)		Stocked Item	Price
	Amount	Part No.		
< 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)		Stocked Item	Price
	Amount	Part No.		
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		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)		Stocked Item	Price
	Amount	Part No.		
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	Hafnium Oxide, HfO ₂ (99.9% Purity)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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	EVMLIFL3-6M		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

➤ 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



Magnesium, 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, Ni



Nickel, Ni



Nickel, Ni

■ **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)	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)	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)	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



Niobium, Nb

► 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.



Platinum, Pt

■ Rhenium, Re: Pieces

NOTE: Call for Pricing.

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Deposition Materials

➤ **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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
1/4" Diameter x 1/4" Length	1 lb.	EV MAG50QXQ	•	Call
Silver, Ag (99.99% Purity)				
1/8" Diameter x 1/8" Length	25 g	EV MAG40EXE-A	•	Call
1/8" Diameter x 1/8" Length	50 g	EV MAG40EXE-B	•	Call
1/8" Diameter x 1/8" Length	100 g	EV MAG40EXE-D	•	Call
1/8" Diameter x 1/8" Length	250 g	EV MAG40EXE-J	•	Call
1/8" Diameter x 1/8" Length	1 lb.	EV MAG40EXE	•	Call
1/4" Diameter x 1/4" Length	25 g	EV MAG40QXQ-A	•	Call
1/4" Diameter x 1/4" Length	50 g	EV MAG40QXQ-B	•	Call
1/4" Diameter x 1/4" Length	100 g	EV MAG40QXQ-D	•	Call
1/4" Diameter x 1/4" Length	250 g	EV MAG40QXQ-J	•	Call
1/4" Diameter x 1/4" Length	1 lb.	EV MAG40QXQ	•	Call
4mm Pieces or Smaller	1 g	EV MAG40SHOT1	•	Call

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Deposition Materials

► Silver, Stainless Steel, Strontium & Tantalum

■ Silver, Ag: Wire

Size	Silver, Ag (99.99% Purity)		Stocked Item	Price
	Amount	Part No.		
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)		Stocked Item	Price
	Amount	Part No.		
Approx. 500mg	2500g	EVMS316500		Call

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

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

■ Tantalum, Ta: Pellets

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

► Tantalum Oxide, Tin, Tin Oxide & Titanium

■ Tantalum Oxide, Ta₂O₅: Pieces & Tablets

Tantalum Oxide, Ta ₂ O ₅ (99.99% Purity)				
Size	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

Tin, Sn (99.998%-99.999% Purity)				
Size	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

Tin, SnO ₂ (99.9% Purity)				
Size	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

Titanium, Ti (99.995% Purity)				
Size	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

Titanium, Ti (99.98% Purity)				
Size	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, TiO₂: 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, TiO₂



Titanium Dioxide, TiO₂

■ 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, WO₃: 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	EVMYBX5MM-D		Call
3mm (Approx)	300 g	EVMYBX3MM-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

► 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 Al₂O₃ 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

