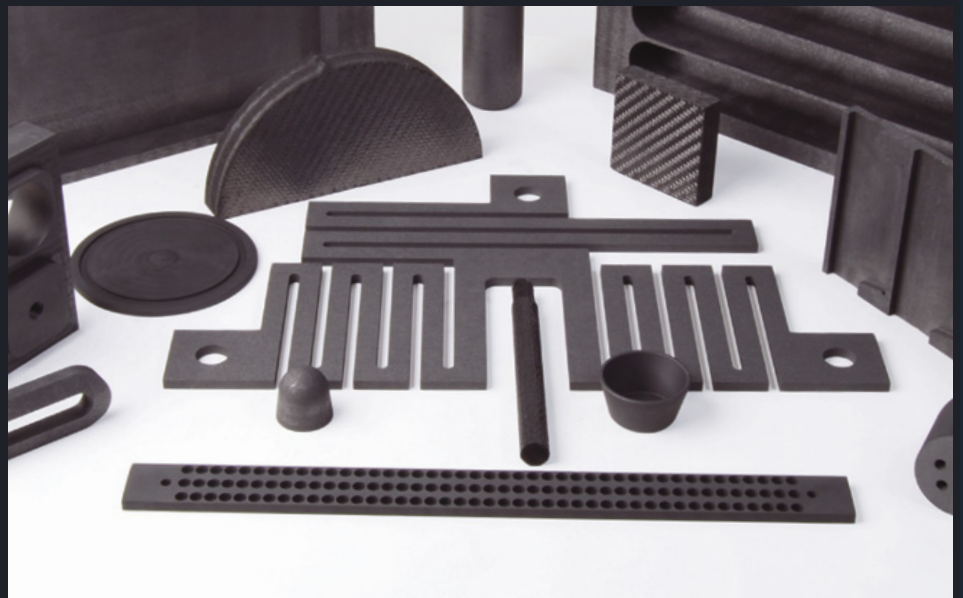
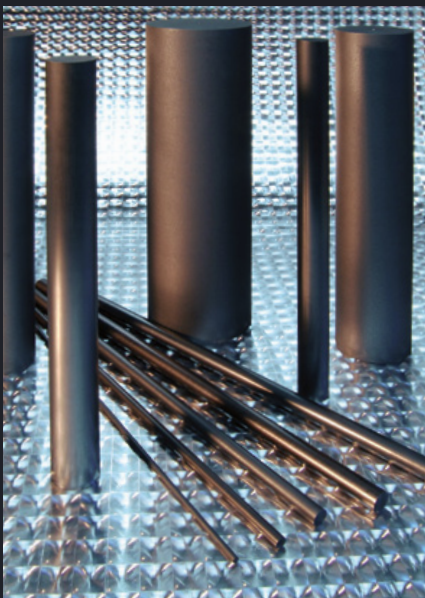
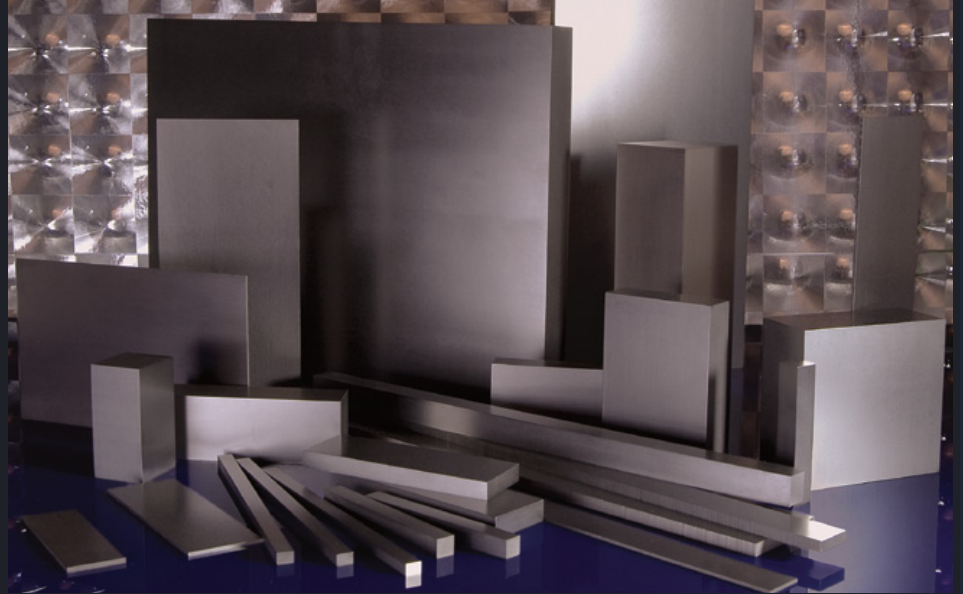




# Ohio Carbon Blank, Inc.

GRAPHITE AND EDM ACCESSORIES

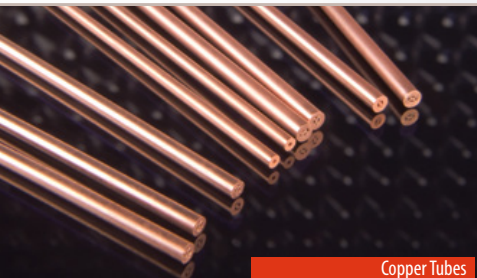




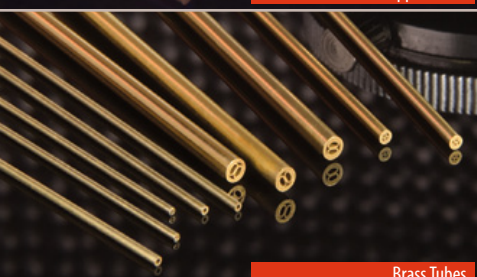
Precision Rounds



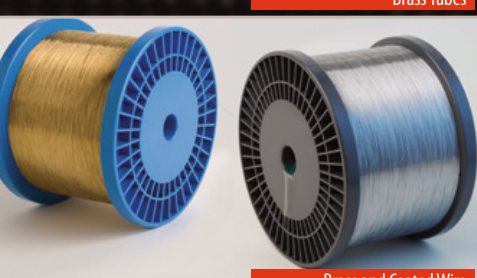
CNC



Copper Tubes



Brass Tubes



Brass and Coated Wire



Diamond-Coated End Mills

## PRECISION GRAPHITE BLANKS (in.)

Material	Minimum	Maximum
OCB UT-1E	To your specifications	16.000 x 33.000 x 72.000
OCB UT-2E	To your specifications	16.000 x 33.000 x 72.000
OCB UT-3	To your specifications	7.500 x 11.750 x 24.000
OCB AR-6	To your specifications	10.000 x 10.000 x 28.000
OCB AR-8	To your specifications	6.000 x 10.000 x 24.000
OCB AR-12	To your specifications	6.000 x 10.000 x 24.000
OCB AR-14	To your specifications	6.000 x 10.000 x 24.000
TOYO TANSO TTK-4	To your specifications	8.000 x 10.000 x 28.000
TOYO TANSO TTK-4C	To your specifications	2.000 x 8.000 x 12.000
POCO EDM-200	To your specifications	6.000 x 10.000 x 28.000
POCO EDM-1	To your specifications	4.000 x 10.000 x 28.000
POCO EDM-3	To your specifications	4.000 x 10.000 x 28.000
POCO EDM-AF5	To your specifications	2.000 x 8.000 x 24.000
POCO EDM-C3	To your specifications	2.000 x 8.000 x 12.000

Small Blocks – Square & flatness tolerance @ +/- .0002 inch

Large Blocks – Saw cut +.125/- .000 inch, grind square & flatness tolerance of +/- .005 inch

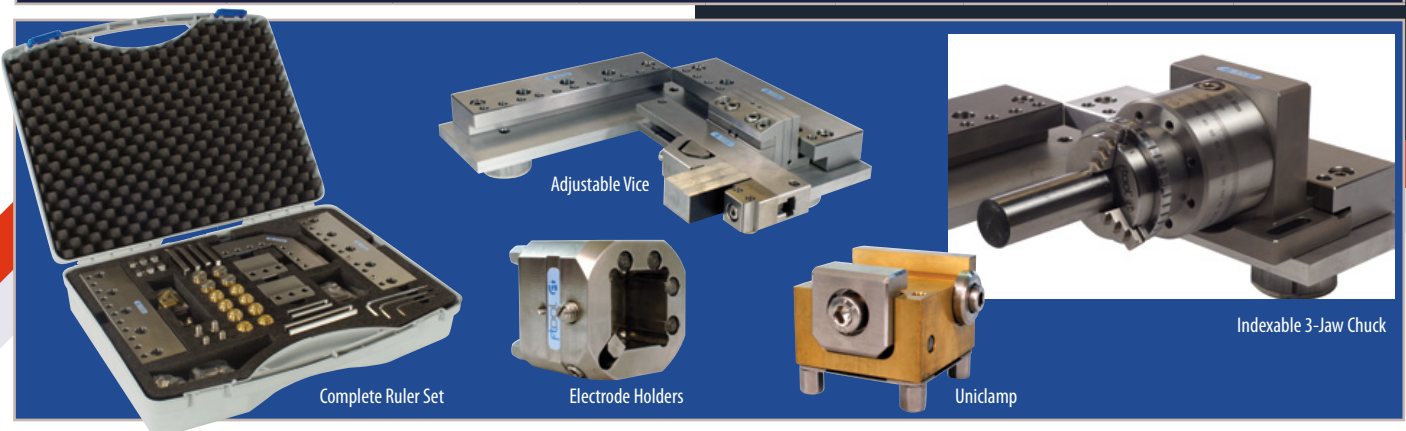
## OTHER PRODUCTS (in.)

Electrode Type	Type	Size Range
Plates	See graphite materials above	Call for sizes
Rounds	See graphite materials above	.100 to 24.000 diameter
Mini-Rods	EDM-3, EDM-C3 Graphite	.010 to .124 diameter
Metallic Rods	Copper, Tellurium copper, Copper tungsten, Brass	Call for sizes
Metallic Tubes	Copper, Tellurium copper, Copper tungsten, Brass	Call for sizes
Tapping	EDM-3, EDM-C3 Std.	4-40 to 1-14
Tapping	EDM-3, EDM-C3 Orbital	4-40 to 1-14
Wire	Brass, Brass with Zinc Coating	.0008" - .0125" diameter 8.8 - 44 lb. spools

## MATERIALS CHART

Grade	Application	Grain	Avg. Particle Size (In.)	Apparent Density g/cm <sup>3</sup>	Shore Hardness	Electrical Resistance Ω-in.	Flexural Strength psi	Compressive Strength psi
OCB UT-1E	Mechanical	Coarse	0.03100	1.74	40	0.00032	2,700	5,800
OCB UT-2E	Mechanical	Coarse	0.03000	1.72	40	0.00030	2,400	5,100
OCB UT-3	Mechanical	Fine	0.00040	1.70	50	0.00053	5,300	10,000
OCB AR-6	EDM	Fine	0.00047	1.76	55	0.00050	6,500	14,300
OCB AR-8	EDM	Fine	0.00047	1.80	65	0.00049	7,500	16,500
OCB AR-12	EDM	Super-Fine	0.00031	1.78	63	0.00053	7,540	15,400
OCB AR-14	EDM	Ultra-Fine	0.00019	1.86	80	0.00050	11,000	24,200
TOYO TTK-4	EDM	Ultra-Fine	0.00016	1.78	72	0.00055	10,600	19,600
TOYO TTK-4C	EDM	Ultra-Fine	0.00016	2.90	60	0.00010	15,500	28,000
POCO EDM-200	EDM	Super-Fine	0.00039	1.66	68	0.00057	8,100	14,000
POCO EDM-1	EDM	Ultra-Fine	0.00019	1.66	69	0.00076	9,700	14,200
POCO EDM-3	EDM	Ultra-Fine	0.00019	1.81	73	0.00061	13,300	18,100
POCO EDM-AF5	EDM	Angstro-Fine	0.00004	1.80	83	0.00085	14,500	22,100
POCO EDM-C3	EDM	Ultra-Fine	0.00019	3.05	66	.000013	20,300	28,350

Specifications are typical from manufacturer & subject to minor changes



Ohio Carbon Blank now offers Swiss-made EDM Wire and Sinker tooling that is compatible with Hirschmann, 3R, and Erowa®

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Toll free **800-448-8887**

**ISO-9001:2008** Certified Company

## EDM GRAPHITE MATERIAL APPLICATIONS

Material	Grain	Wear	Strength	Application	Workpiece
OCB AR-6	Fine	Medium	Medium	Roughing	Fast Material Removal
OCB AR-8	Fine	Medium	Good	Roughing	Fast Material Removal
OCB AR-12	Super-Fine	Good	Good	Semi-Finishing	Localized Removal
OCB AR-14	Ultra-Fine	Good	Good	Finishing	Fine Details & Threading
TOYO TANSO TTK-4	Ultra-Fine	Very Good	Best	Finishing	Fine Detail & Deep Ribs
TOYO TANSO TTK-4C	Ultra-Fine	Very Good	Best	Precision Finishing	Intricate Small Geometry
POCO EDM-200	Super-Fine	Good	Good	Roughing	Fast Material Removal
POCO EDM-1	Ultra-Fine	Good	Good	Semi-Roughing	Low Wear & Medium Removal Rate
POCO EDM-3	Ultra-Fine	Very Good	Best	Finishing	Fine Details & Threading
POCO EDM-AF5	Angstro-Fine	Good	Best	Precision Finishing	Fine Detail & Superior Finish
POCO EDM-C3	Ultra-Fine	Very Good	Best	Precision Finishing	Intricate Small Geometry

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## Ohio Carbon Blank, Inc.

**GRAPHITE AND EDM ACCESSORIES**

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OCB.03.12