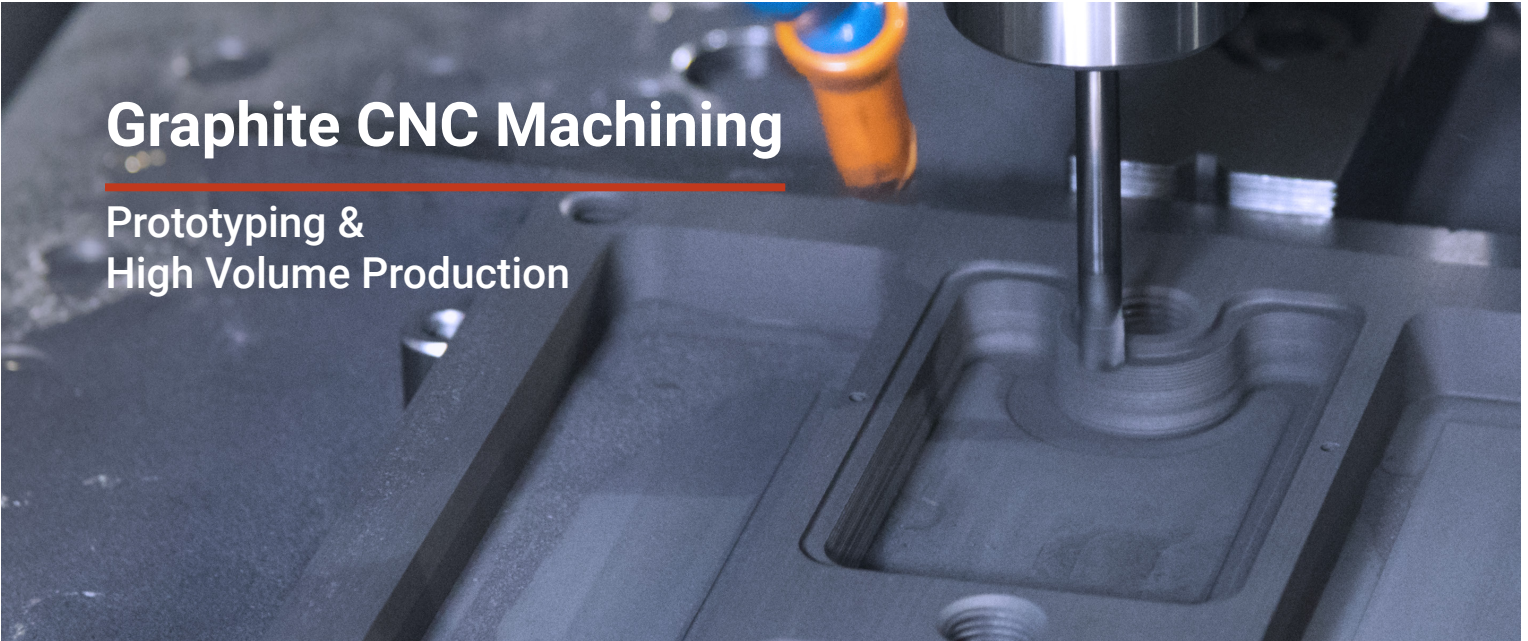


Graphite CNC Machining

Prototyping &
High Volume Production

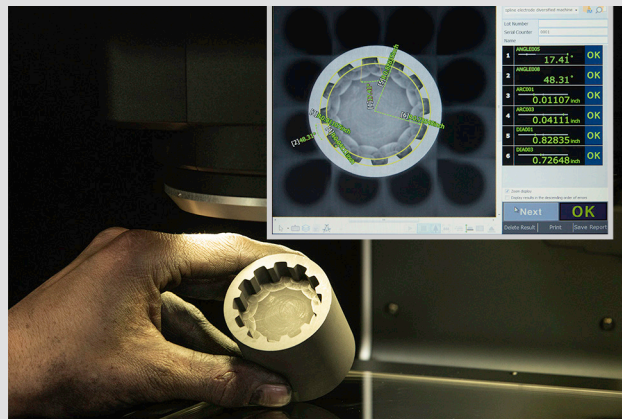


CNC MACHINING

- Precision 3-axis graphite machining
- Scheduling, programming, & machining to optimize prompt deliveries
- Use of diamond-coated tooling to minimize wear and variation
- Analysis of deep pocket and thin web sections for minimal cutter and workpiece deflection
- Multi-piece fixturing for high production quantities

QUALITY CONTROL

- ISO 9001:2015 Quality Management System
- Comprehensive quality procedures to ensure correct part to print results
- Dimensional inspection techniques applicable to geometry type, purchase of only qualified tooling, lot control, and part serialization upon request
- Critical dimensional inspection devices include Keyence IM370 3D laser and a Keyence XM CMM



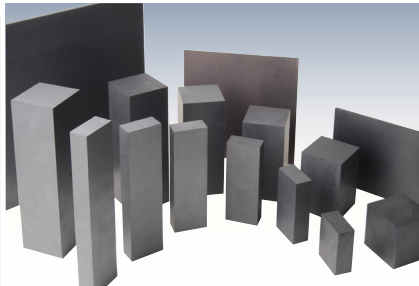
For more information, call
Sales at 800-448-8887

Graphite CNC Machining

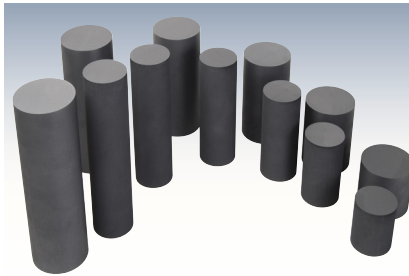
MATERIALS CHART

Grades	Application	Grain	Average Particle Size (In.)	Apparent Density g/cm ³	Shore Hardness	Electrical Resistance μΩ-in.	Flexural Strength psi	Compressive Strength psi
AR-6	EDM	Fine	0.00047	1.78	55	539	6,500	14,300
AR-8	EDM	Fine	0.00047	1.80	65	488	7,500	16,500
AR-12	EDM	Super-Fine	0.00035	1.82	65	450	8,400	18,400
AR-200	EDM	Super-Fine	0.00028	1.78	60	500	8,700	17,110
AR-14	EDM	Ultra-Fine	0.00019	1.86	80	500	11,000	24,200
TTK-4	EDM	Ultra-Fine	0.00016	1.78	72	552	10,600	19,600
DS-4	EDM	Ultra-Fine	0.00016	1.88	72	500	13,050	27,250
DS-4C	EDM	Ultra-Fine	0.00016	3.00	75	150	19,000	28,000
EDM-1®	EDM	Ultra-Fine	0.00019	N/A	69	760	9,700	14,200
EDM-3®	EDM	Ultra-Fine	0.00019	N/A	73	615	13,300	18,100
EDM-C3®	EDM	Ultra-Fine	0.00019	N/A	66	127	20,300	28,350
EDM-AF5®	EDM	Angstro-Fine	0.00004	N/A	83	850	14,500	22,110
CC-1940	Mechanical	Fine	0.00051	1.79	63	520	6,300	13,000
JP-1300	Mechanical	Fine	0.00063	1.72	72	1,000	8,400	24,000
UT-3	Mechanical	Fine	0.00169	1.78	60	453	5,800	11,000
UT-2E	Mechanical	Coarse	0.03150	1.72	40	315	2,400	5,100

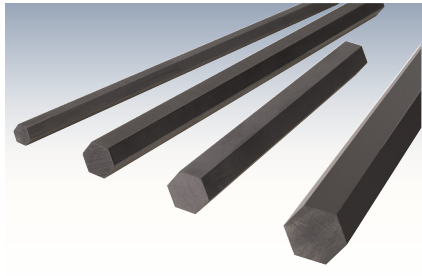
Specifications are typical from manufacturer and subject to minor changes.



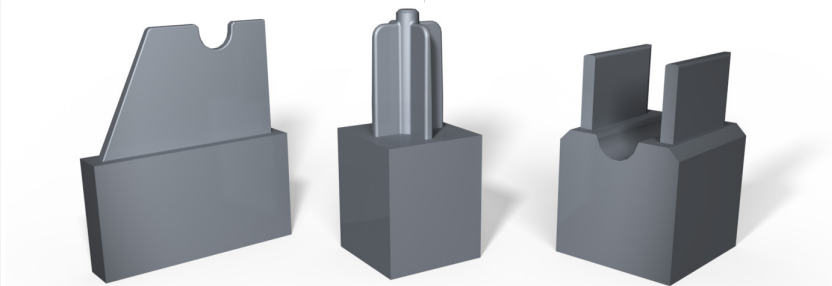
Rectangles



Rounds



Hexes



CNC Machined Graphite



Precision Inspection Technology

Graphimator[®]
EZ Online Graphite Purchasing

The Only Online Graphite Blank Quoting and Ordering System.

Contact sales at 800-448-8887 for more information.