

Oriental Graphicarb Manufactory

Founded in 2005 by Mr. Rajesh Sharma and led today by Amit Jha, K.K. Girdhar, and S. Hatvalne, Oriental Graphicarb Manufactory is a manufacturer of specialized graphite products — not a trader. We design and manufacture precision-machined graphite components for critical industrial applications, with export-ready capability for 30+ international markets and an executive presence across Jaipur, Pune, Chennai, Delhi, Bhiwadi, Mumbai, and Haridwar.

Our Four Graphite Platforms

Platform	Key Properties	Grades
Isostatic Graphite	Finest grain (10-12 micron), highest strength & density, ultra-low ash. Best for EDM electrodes, casting dies, and semiconductor components.	OC-10, OC-12, OC-15, OC-18, OC-20, OC-25, OC-30, OC-35, OC-40, OC-45, OC-50, OC-55, OC-60, OC-65, OC-70, OC-75, OC-80, OC-85, OC-90, OC-95, OC-100.
Molded Graphite	High mechanical strength, complex shape capability, excellent machinability and consistent mechanical properties.	OC-M1, OC-M2, OC-M3, OC-M4, OC-M5, OC-M6, OC-M7, OC-M8, OC-M9, OC-M10, OC-M11, OC-M12, OC-M13, OC-M14, OC-M15, OC-M16, OC-M17, OC-M18, OC-M19, OC-M20.
Extruded Graphite	Ideal for rods, tubes and bars. Fine grain, good machinability, consistent mechanical properties. Available with our in-house anti-oxidation treatment.	OC-E1, OC-E2, OC-E3, OC-E4, OC-E5, OC-E6, OC-E7, OC-E8, OC-E9, OC-E10, OC-E11, OC-E12, OC-E13, OC-E14, OC-E15, OC-E16, OC-E17, OC-E18, OC-E19, OC-E20.
Vibrated Graphite	Uniform density throughout large blocks. Cost-effective for bulk electrodes, anodes, and large components. Available with our in-house anti-oxidation treatment.	OC-V1, OC-V2, OC-V3, OC-V4, OC-V5, OC-V6, OC-V7, OC-V8, OC-V9, OC-V10, OC-V11, OC-V12, OC-V13, OC-V14, OC-V15, OC-V16, OC-V17, OC-V18, OC-V19, OC-V20.

Industries We Serve

Aluminium (anti-oxidation treated degassing rotors & shafts) · EDM & Tool Room · Furnace & Heat Treatment · Continuous Casting · Semiconductor & Solar · Sintering & Powder Metallurgy · Glass Manufacturing · Steel & Metallurgy · Precious Metals · Automotive · Cement · Chemical Processing · Aerospace, EPC & OEM.

Manufacturing & Quality

ISO 9001:2015 certified · ZED MSME certified · multi-axis CNC machining to $\pm 0.05\text{mm}$ tolerance · graphitization furnaces at $2500\text{--}3000^{\circ}\text{C}$ · 100% final inspection before dispatch · in-house anti-oxidation treatment facility extending service life of Extruded and Vibrated graphite, most notably rotor shafts for aluminium degassing units · every shipment includes MTC, batch inspection report, and full export documentation.

Full Grade Reference

Grade	Platform	Density	Thermal Cond.	Application
OCHD-E1	Isostatic	1.87	85 W/m.k	EDM / Heat Exchanger / All kinds of Machining
OCHD-E2	Isostatic	1.85	85 W/m.k	EDM / Sintering / All kinds of Machining
OCHD-E3	Isostatic	1.85	140 W/m.k	Continuous Casting Dies
OMGB-A	Molded	1.80	121.1 W/m.k	Sintering / All kinds of Machining
OMGB-B	Molded	1.85	139.2 W/m.k	Sintering / All kinds of Machining
OGR-A	Extruded	1.72	125 W/m.k	Electrodes / Rotors & Shafts
OCR-A	Extruded	1.65	110 W/m.k	Dry Lubrication Applications
OGB-A	Vibrated	1.72	120 W/m.k	Sintering / Anode Applications
OGB-E	Vibrated	1.68-1.74	115 W/m.k	Crucible / Anode / Electrode
OGB-N	Vibrated	1.77-1.82	110 W/m.k	Seals / Special Applications

This brochure summarizes our published capability and grade portfolio. Application-specific engineering review, filler ratios, and dimensional tolerances are confirmed directly by our engineering team.