



Precision-Machined. Performance-Tested. Field-Proven.

At EDM Intelligent Solutions, we specialize in manufacturing high-performance **tungsten carbide components** engineered to withstand the harshest conditions in the oil and gas industry. Whether you're drilling thousands of feet below the surface or maintaining critical flow control onshore, our precision parts deliver the **durability, accuracy, and reliability** your operations demand.

Engineered to Endure

Our tungsten carbide solutions are built to resist:

- **Extreme pressure and temperature**
- **Abrasive drilling fluids and particulates**
- **Corrosive chemicals and downhole conditions**
-

Our Product Capabilities

We manufacture and supply:

- **Valve Seats, Balls & Stems** – For high-pressure control valves with exceptional sealing and erosion resistance.
- **Mud & Slurry Nozzles** – Optimized for extended life in high-velocity, abrasive environments.
- **Bushings, Bearings & Seal Rings** – Critical support for rotating and downhole equipment.
- **Flow Restrictors & Choke Inserts** – Precision control in severe service conditions.
- **Wear Sleeves & Liners** – Extend equipment life by protecting against erosion.
- **Cutting & Milling Inserts** – Rugged performance for drilling, reaming, and casing tools.
-

Why Tungsten Carbide?

- Up to **10x longer lifespan** than conventional materials
- **Superior wear and corrosion resistance**
- Excellent **thermal and dimensional stability**
- Lower maintenance, fewer failures, and greater ROI
-

Trusted by Oilfield Leaders

Our components are used across upstream, midstream, and downstream applications—meeting or exceeding industry standards for critical performance in tools, valves, pumps, and drilling systems.

Ready to Perform in the Field

Backed by advanced machining, in-house metrology, and rigorous quality control, our tungsten carbide parts are ready to perform where others fail.