



**ELECTRONICA
TOUGH CARB**

end to end tungsten carbide solutions...



Reduction Furnace



Cold Isostatic Press



Dorst Press



Sinter-HIP Furnace

Dealership / Enquiries Representation Solicited Worldwide



**ELECTRONICA
TOUGH CARB**

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**Tungsten Carbide Products For
Oil and Gas Industries**

ELECTRONICA TOUGH CARB LIMITED

end to end tungsten carbide solutions...

With more than 3 decades of industry knowledge and carbide manufacturing expertise to draw from, Electronica Tough Carb is the perfect partner for companies involved in the performance critical industry of Oil and Gas exploration, drilling and pumping.

Our flow control products are at work in some of the world's harshest oil and gas exploration environments.

Electronica Tough Carb offers a variety of innovative solutions to the Oil & Gas market. Our team of skilled engineers, toolmakers, and technicians offer vertically integrated manufacturing solutions that offer our customers the highest precision and quality.

The benefits we offer come not only from our industry knowledge and engineering capability, but from our employees' dedication to exceeding our customers' expectations as well.



Tungsten Carbide Choke Sleeves

These are made with various sizes from 4/64" to 128/64" and further. TC Liners are manufactured through Cold Isostatic pressing (CIP) route in order to have perfect and same densification on sintered product without any deviation in geometry. The carbide grade TCW10 is very much suitable for the application of wear and abrasion resistance during use. Choke beans are often used in the positive choke valve for controlling the flow.



Tungsten Carbide Stabilizer Disks

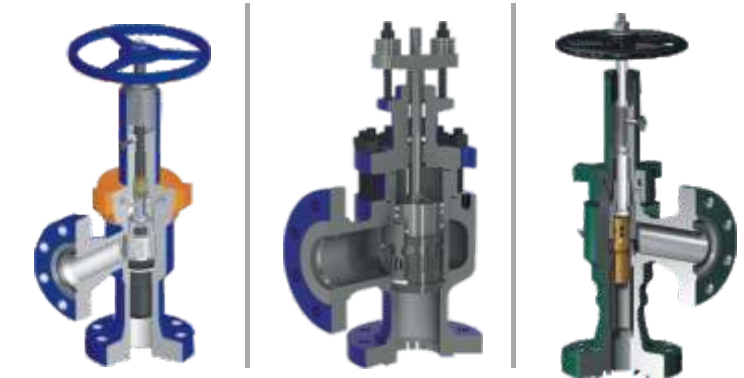
One of the Special product for Petroleum industries, manufactured in special grade having 27% Nickel binder. These Disks are manufactured in four different sizes



Tungsten Carbide Valve Seats

We are offering valve seats for the application of wear in assembly of Gas Lift Valves, Wire Line Retrievable (WLR) Injection pressure operated (IPO) gas lift valves in Oil & Gas Ind. These are made to perfect sizes in controlled tolerances in order to fit during assembly.

Tungsten Carbide Products For Oil and Gas Industries



Tungsten Carbide Flow Cages

Flow cage used in a choke valves with solid plug assembly mainly for flow control. To fulfill application requirement ETCL offers Tailor made Tungsten Carbide cages & plugs in 6% Cobalt wear resistance grade, with precise machining. Location of hole is maintained within close tolerances, to facilitate precise flow control. Highly polished mating areas offers tight shut off at high temperature & pressure.

Tungsten Carbide Flow Trims

Flow trims provided by us are accurately designed and manufactured with very close tolerances in order to suite the applications. The holes and pockets are very much controlled with all references. These are manufactured in very special grade in order to get maximum life during application in Oil and Gas Industries.