

Tungsten Electrode Materials



We maintain a large inventory of premium quality tungsten ready to ship, available in a variety of diameters & materials. These include:

- Thoriated
- Ceriated
- Lanthanated
- Tri-Mix
- Cryo-T
- Pure Tungsten
- Zirconiated

Pre-ground & Re-ground Tungsten Electrodes



Precision CNC grinding & polishing techniques eliminate inconsistencies common with improperly ground tungsten electrodes. High-quality DGP electrodes offer:

- Better arc starting and re-starting
- Increased electrode life
- Reduced arc wander
- Improved weld quality

Piranha Electrode Grinders



Piranha II

The Piranha tungsten electrode grinder provides welders with an easy to use and economical tool to precisely grind, cut and flat tungsten electrodes.

Piranha II

- For tungsten sizes 0.040" - 3/32" diameter. (1.0mm - 2.4mm)



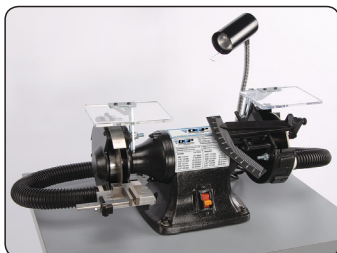
Piranha III

Piranha III

- For tungsten sizes 0.040" - 3/16" diameter. (1.0mm - 4.8mm)

Enclosed work area provides operator dust containment and added safety. Designed to provide years of trouble free operation.

DGP Series Tungsten Electrode Grinders



The DGP Tungsten Electrode Grinders provide welders with the industries' most precise and complete "systems" to longitudinally diamond grind, cut, and flat tungsten electrodes.

- For tungsten sizes 0.040" - 3/16" diameter. (1.0mm - 4.8 mm)
- Vacuum cabinet option collects harmful dust and enables one-step disposal
- Cutting assembly option allows precise cut to length for orbital & plasma
- Lasercut tip/flat gauge option enables precise flat size for orbital & plasma

Plasma Welding Torches & Accessories



Diamond Ground Products replacement plasma welding torches, spare parts and accessories last just as long as the original equipment parts they replace but at a savings of 30%-60% when compared to OEM list prices.

Replacement Thermal Dynamics Corp.® 2A Welding Torch
Replacement Thermal Dynamics Corp.® 3A Welding Torch
Replacement Thermal Dynamics Corp.® 4A Welding Torch

Tungsten/Molybdenum Fabrication & Machining



The "Tungsten Electrode Experts" at **DGP** are the industry leader in the grinding and CNC machining of tungsten and molybdenum. **DGP** offers unmatched quality and capability at the lowest prices. **DGP** provides precise and consistent CNC parts from low volumes prototype to high-volume production and from the simplest rods to complex fabrications with the strictest tolerances.

Replacement Grinding & Cutting Wheels



DGP offers a complete line of high-quality, low-cost replacement diamond grinding wheels for nearly any tungsten electrode grinder on the market. DGP grinding wheels are in-stock, and ready to ship immediately. Compare & save today!

Cleaver Blades



DGP replacement cleaver blades for the fiber optic industry are better than or equal to "brand name" blades, but save you 40% to 60% when compared to OEM published list prices. We offer cleaver blades compatible with:

- Alcoa Fujikura® • Sumitomo® • Fitel

Fusion Electrodes



DGP replacement fusion electrodes for the fiber optic industry are better than or equal to "brand name" electrodes, but save you 50% to 60% when compared to OEM published list prices. We offer fusion electrodes compatible with:

- Alcoa Fujikura® • Sumitomo® • Fitel
- Ericsson® • Corning®

FORMING AND WELDING SOLUTIONS

Urethane Rolls



Weldlogic designs a full range of 2 rolls with many options and lengths to 10ft.

- Highly repeatable tube forming
- Easy set up-low skill requirements
- Heavy Duty hydraulic design
- Continuous Duty Cycle
- Virtually no flats

Automatic Rolls



Weldlogic designs a full range of automatic rolls to enable operator free rolling on demand.

- 120-200 Parts Per Hour
- PLC-Touch screen programming with memory
- Vacuum lift and material squaring arm
- Virtually no flats
- Capacity up to 96"

CNC Rolls



CNC - 3 / 4 rolls designed to produce special shaped tubes with encoder precision.

- Heavy Duty Design with positioning encoders on all roll positions
- PLC easy programming and 100+ memory
- Single pass forming
- Spherical roller bearings on all rolls
- Induction hardened and ground rolls

Plate Rolls

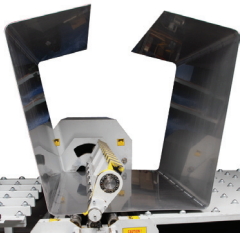


up to 20 feet

CNC-3/4 roll pipe grade plate rolls are designed and built to specific application requirements.

- Heavy Duty all steel plate construction
- Closed loop hydraulic system with encoder positioning
- Induction hardened and ground rolls HRC-50-54
- Material handling options available
- Pipe grade and Tank grade capacity

Custom Rolls



Custom rolls designed for a wide range of applications. Rolls to solve the most challenging forming requirements.

- High production machines 400-600 tubes/hour
- Box forming specialty roll forming systems
- Airfoil aircraft wing forming specialty rolls
- Small diameter / long length rolls
- Special shape heavy duty flat forming machines

Micro-Welders

Micro Welders designed to perform the finest quality precision welds on a wide range of heat sensitive components.



- Micro-Tig/Plasma welding system with turn key responsibility
- Full range of standard tooling-positioners
- Supports micro-joining automation
- Process support & training offered with every micro-system
- Welding capacity to join .001" alloys
- High production micro welding solutions

Advanced Welding System

Advanced Welding Systems with capacity to 400 amperes available in a wide variety of weld positioners.

- Turn key welding systems with process develop included
- Designed to arrive ready to start welding upon delivery
- Wide range of standard options
- Available with Wire Feed, Arc Distance Control, Seam Trackers
- Many Positioners available up to 12 foot lengths



Seam Welders

Seam Welders are designed and manufactures to make seam welds in a wide range of processes and materials.



- Seam Welders available in lengths up to 20 ft
- Available for Tig, Plasma, Mig, Subarc & Laser
- Precision Linear carriage
- Closed loop servo carriage control
- Many optional features enhance quality & productivity

Automatic Seam Welders

Automatic Seam Welders for a wide range of applications, automotive, electric motor, compressors.

- Production rates at 100-200 parts per hour capacity
- C.N.C. current and positioning capacity to make higher quality seam welds
- Accommodates a wide range of diameters, length, and materials.
- Quick change over with auto tube load and ejection.
- Manual and automatic system operation for expanded capacity



Custom Welders

Custom Welders designed to meet the specifics to meet your special welding requirements.

- Multi Axis CNC welding systems for special shaped components
- Automatic part loading and ejection
- Thick section Plasma Keyhole welding
- Material handling and welding systems
- Data acquisition systems for high reliability

