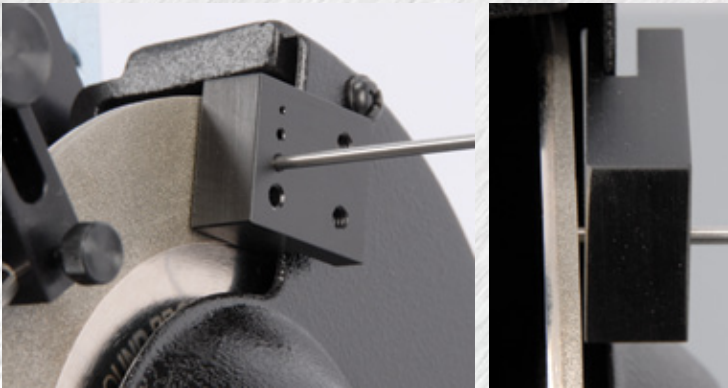


Introducing...

# The Quickest and Easiest Way To Prepare Tungsten Electrodes

- Quick & easy setup and operation saves time, eliminates hassles
- Consistently & properly ground electrodes provide optimum, repeatable welding results
- Manufactured in U.S.A. Expert service and spare parts are available immediately
- Proper diamond cutting eliminates risk of electrode splintering & weld rejections

## STEP 1 - Diamond Ground Flat



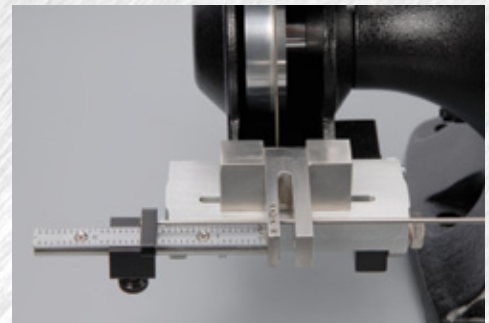
Produces a diamond ground flat surface at the tip of the electrode.

## STEP 2 - Diamond Ground Taper



Produces a longitudinally ground taper with a 20RMS finish and a  $\pm 1/2^\circ$  angle tolerance.

## STEP 3 - Diamond Cut-to-Length



Produces smooth diamond cut electrodes on a selectable length scale.



Diamond  
Cut To Length

Diamond  
Ground Taper

Diamond  
Ground Flat

 **DGP**  
DIAMOND GROUND  
PRODUCTS

"The Tungsten Electrode Experts"



## DGP-1



- Our most economical grinder
- Accomplishes process steps 1 & 2: Flat and Taper grinding
- For welders who regrind but don't cut, this product provides an all-purpose wheel on the left instead of the cutting apparatus.

## DGP-2



- A complete system that includes diamond grinding and cutting wheels to accomplish all electrode preparation steps.
- Cutting apparatus includes adjustable stop & scale to allow users to cut as short as .200" (3mm).

## DGP-3



- A complete system that includes diamond grinding and cutting wheels to accomplish all electrode preparation steps.
- Cutting apparatus includes built-in micrometer indexer for quick and very accurate cuts of different lengths as short as .200" (3mm).

## ACCESSORIES

- Vacuum system in insulated cabinet for dust collection
- Short collets for grinding short electrodes
- Flexible spotlight

## FEATURES

- No tools required for setup or collet changes
- Flat, grind and cut most electrodes in 60 seconds or less
- Long life, high-quality diamond wheels that are perfect for grinding tungsten
- Fine, longitudinal finish on taper grinding to improve arc stability, starting and consistency
- Taper angle adjustable from 6°-120° with a tolerance of +/- 1°
- Collets available to grind electrodes for .020" to 3/16" (.5mm-4.8mm) diameter

## APPLICATIONS

Mechanized / Automatic TIG & Plasma Welding  
Manual TIG & Plasma Welding  
Orbital Tube & Pipe Welding

## SPECIFICATIONS

### DGP Grinders

Dimensions: 21.5"(L) x 12"(D) x 12"(H) 564mm x 305mm x 305mm  
Weight: 27.2 lbs. / 12.3 kg  
Voltage: 115 VAC, 60 Hz, or 220 VAC, 50 Hz option  
Amperage: 5.0 Amps

### DGP Grinders with Vacuum Cabinet

Dimensions: 26"(L) x 20"(D) x 44"(H) 660mm x 508mm x 1,118mm  
Weight: 102 lbs. / 46.4 kg  
Voltage: 115 VAC, 60 Hz, or 220 VAC, 50 Hz option  
Amperage: 13.5 Amps

### Piranha II

- Compact/precision tungsten grinder .040"-3/32" (1.0-2.4mm).

### Piranha III

- Heavy duty dedicated tungsten grinder designed for continuous grinding of .040"-3-16" (1.0mm-4.8mm).

### Pre Ground Electrodes

- CNC manufactured high tolerance electrodes for orbital and automatic TIG and plasma welding.

### Premium Tungsten

- Thoriated, Lanthanated, Ceriated, Zirconiated, Tri-mix®, Cryo-T®, Pure and specialty materials.



*"The Tungsten Electrode Experts"*

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