

# THE PIRANHA™ III

**Tungsten Electrode Grinder**

**Safe • Compact • Affordable**



Made in the U.S.A.

**Heavy Duty Dedicated Tungsten Grinder for Continuous Grinding of .040" to 3/16" (1.0mm-4.8mm)**

### **Safety**

Enclosed grinding area captures Tungsten dust for easy disposal.

### **Weld Quality**

20 Ra surface finish improves Tungsten life, arc starting, arc stability and produces consistent weld penetration.

### **Productivity**

Correctly and consistently Diamond grind your Tungsten Electrode longitudinally, in less than 30 seconds.

### **Value**

The PIRANHA III Diamond grinds, flats and notches your Tungsten economically.



Available with Cabinet and Vacuum System



*"The Tungsten Electrode Experts"*

[diamondground.com](http://diamondground.com)





# THE PIRANHA™ III

## Tungsten Electrode Grinder

### Additional Products

**DGP-KIT-PIlls Piranha III Collet Upgrade Kit**  
Get the performance of the new Piranha tungsten grinders without having to buy a new grinder! Our new Piranha III collet upgrade kit can be used on your older model Piranha tungsten grinder to enable you to grind tungsten as short as .75" (19.05mm). The process and directions are simple.



### Full feature Precision Tungsten Grinders:

These high precision, heavy duty grinders provide additional features for improved grinding accuracy and can precisely cut electrodes to length.

**CNC Pre-Ground Electrodes:** Eliminates operator grinding variables. The quality and consistency of CNC Pre-Ground Electrodes improve arc starting and arc stability. They offer consistent weld penetration and longer electrode life. Tungsten shedding and associated weld inclusions have been virtually eliminated.

- Piranha II - Compact/Precision Tungsten grinder .040" - 3/32" (1.0 - 2.4mm)
- DGP-2 - Full feature Tungsten grinder that grinds, flats and cuts Tungsten.
- Pre Ground Electrodes - CNC manufactured, high tolerance electrodes for Orbital and Automatic Tig and Plasma welding.
- Premium Tungsten - Thoriated, Lanthanated, Ceriated, Zirconiated, Tri-Mix™-WS2, Cryo-T, Pure & specialty materials.

### Specifications

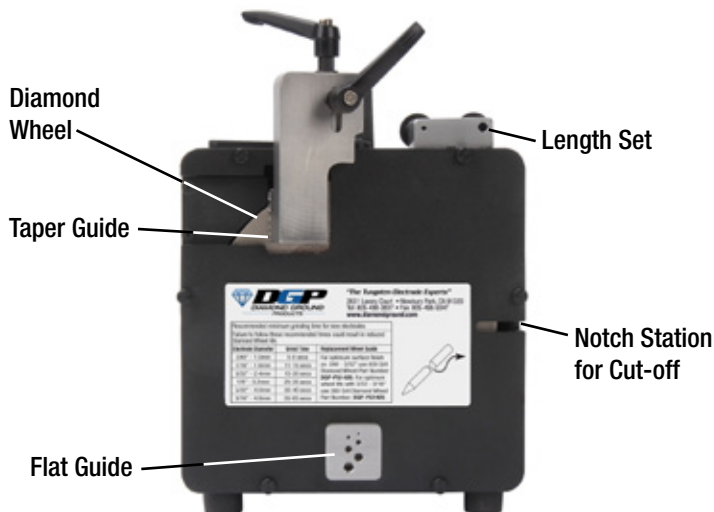
Range of Included Angle:	10° - 60°
Electrode Diameters:	.040 (1.0mm), 1/16" (1.6mm), 3/32" (2.4mm), 1/8" (3.2mm), 5/32" (4.0mm) & 3/16" (4.8mm)
Minimum Electrode Length:	1.75" (44.5mm)
Voltage:	115/230 VAC, 50/60Hz, 220v
Power Consumption:	500 Watts
Motor:	1/3 hp, 1,400 rpm, 5.0 amps
Length:	13.5" (342mm)
Width:	7.0" (177mm)
Height:	9.5" (240mm)
Weight:	46 lbs (20.87kg)

### Benefits

- **Safety:** Enclosed grinding area captures Tungsten dust for easy disposal.
- **Weld Quality:** 20 Ra surface finish improves Tungsten life, arc starting, arc stability and produces consistent weld penetration.
- **Productivity:** Longitudinally Diamond grind your Tungsten electrode in less than 30 seconds correctly and consistently.
- **Value:** The PIRANHA III Diamond grinds, flats and notches your Tungsten economically.

### Features

- Easy set up, optimal consistency and near-perfect repeatability.
- Compact, durable and solid design with no vibration.
- Longitudinal 20 RA grinding for maximum arc starting, arc stability, electrode life and weld penetration.
- Universal collet arm for 6 electrode sizes - 040" (1.0mm), 1/16" (1.6mm), 3/32" (2.4mm), 1/8" (3.2mm), 5/32" (4.0mm) & 3/16" (4.8mm) – with no equipment changes.
- Included angle scale for angles from 10° - 60°
- Precision tip flat gauge & depth adjustment stop ensures exact Tungsten points every time – enabling consistent, repeatable arc performance and welding output.
- Containment baffle to keep dust inside the grinder housing, for safety and easy disposal.
- Tip flat block for square end grinding and removing bad tips.
- Electrode notching station for simple cut-off.
- Detailed Manual with valuable engineering data and welding recommendations.
- Port Ready for Vacuum Upgrade.



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