

ORBITAL WELDING EQUIPMENT



WIG 10/175 Tungsten Electrode Grinder



To obtain repeatable results when using orbital welding equipment it is important to have a high quality tungsten electrode which is prepared correctly. By using a Tungsten Electrode Grinder fitted with a diamond grinding wheel you will obtain the perfect tungsten geometry every time.

The diamond grinding wheel leaves a polished finish which further enhances the performance of the electrode in service.

The WIG 10/175 produces a longitudinal grind pattern which encourages arc strike to give a crisp strike every time.

Features

- ✚ Available in 115v or 230v Version
- ✚ Diamond Grinding Wheel
- ✚ Longitudinal Grind Pattern
- ✚ Tungsten Diameters from 1.0mm to 5.5mm
- ✚ Collet Set for Concentric Grind
- ✚ With or Without Dust Extraction
- ✚ Cut and Snap to length
- ✚ Grind Angle Indicator
- ✚ Completely Repeatable
- ✚ Carry Handle



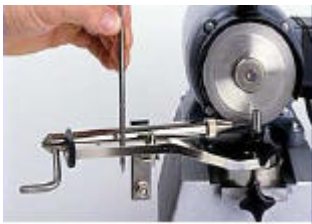
To ensure tungsten's are ground accurately the WIG 10/175 uses a tungsten collet system when grinding. The collet securely locates in the grinder and has a small handle which is used to rotate the

tungsten. This system ensures a even and concentric grind is achieved.

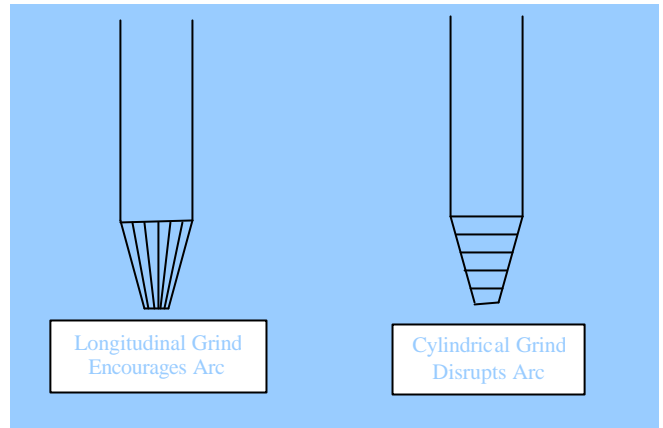
It can also be used to trim tungsten electrodes to approximate length in two simple operations. First the tungsten is scored with the corner of the diamond grinding wheel at the appropriate point and then snapped using the provided location points.



Should the tungsten then need trimming to size this can be done by using the front of the diamond grinding wheel to dress the tungsten to the desired length.



The WIG 10/175 can also be supplied with a dust extraction unit for the removal of hazardous dust from the grinding area. The dust extraction system comes housed in a cabinet onto which the TIG 10/175 is mounted. An additional light to illuminate the working area is also available.



The diagram above shows the difference between a longitudinal and circumferential grind pattern.

It is proven that a tungsten electrode with a longitudinal grind pattern aids the repeatable striking of an arc in automatic welding.

Technical Specification

Input Power - 115 or 230 volts AC 50/60 Hz

Size Range - 1.0mm to 5.5mm Diameter

Minimum Tungsten Length – 20mm

Grind Angle – 15 to 45 Degrees

Wheel Type – Diamond Impregnated Resin

Dust Extraction - Optional

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