

# Ultima-Tig

Patented wet grinder for tungsten electrodes for TIG welding



- Environmentally friendly collection of toxic dust particles
- Precise grinding at the correct angle
- Perfect centring of the electrode
- Grinds down to 8 mm
- Minimal electrode waste

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# ULTIMA-TIG - high-quality tungsten electrode grinding

## Environmentally friendly and safe

ULTIMA-TIG is the environmentally friendly wet grinder of Tungsten electrodes for TIG welding, with minimal wastage of the expensive electrodes. ULTIMA-TIG is constructed with a unique disposable container that automatically collects the toxic dust particles and ensures safe disposal.

## Cost-effective in high-quality

ULTIMA-TIG's unique construction reduces the waste of expensive Tungsten electrodes and reduces the time spent on grinding, resulting in a short payback time. The variable angle adjustment and unique clamping system centres the electrode, so that the grinding is carried out in the correct longitudinal direction of the electrode. A precise angle is not only important for the quality of the welding seam; the number of re-ignitions between re-grinding is also increased.

## Wet grinding

The combination of liquid for cooling and a high grinding speed of the diamond disc results in a polished and even surface of the Tungsten electrode. In addition, the cool wet grinding shortens the grinding time and prevents overheated and damaged electrodes.

## Simple operation

Set the variable angle setting at the desired angle. Place the electrode in the electrode holder and tighten it in the stick-out. Insert the electrode holder, turn on the grinder and rotate the electrode holder until grinding is finished. After grinding, flatten the tip by placing the angle adjustment in the 90° position, if needed.

## Grinder facts

**Electrode size:** Ø0.8 - 4 mm

**Min. length:** 15 mm standard (8 mm with special clamps)

**Angles:** 7.5° - 90° grinding angle (equal to 15° - 180° tip angle)

## Technical specifications

**Motor:** 110V-50/60 Hz, 220V-50/60Hz

**Motor effect:** 280W

**Motor speed:** 8500 rpm

**Grinding speed:** 44 m/sec.

## Standard unit includes

- Grinder complete with table, diamond disc and grinding liquid
- Electrode holder
- Electrode clamps for Ø1.6, 2.4 and 3.2 mm electrodes (clamps are available for other electrode sizes)

## Accessories

- Electrode clamps for all diameters from Ø 0.8 to 4.0 mm
- Electrode clamps for grinding short electrodes down to 8 mm

"ULTIMA-TIG-S" is available for grinding tungsten electrodes up to Ø8 mm

## Main features of Ultima-Tig

- Sealed grinding chamber with dust collector to protect the user
- Variable angle setting gives more flexibility
- Wet grinding prevents overheating of the electrode during grinding
- High grinding speed provides faster grinding and a smooth surface
- The electrode holder ensures centring of the tip and reduces wastage
- Less electrode wastage results in a short payback time



Precise adjustment of the electrode's stick-out.



Grinding angle from 7.5 - 90° creates accurate electrode tip angles of 15 - 180°.



Tip may be flattened by 1/10 mm per point in the 90° position.



Sealed disposable container for dust collection and disposal.

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