

# Ultima-TIG-Cut

For precision grinding and cutting of Tungsten electrodes for TIG Welding



- Environmentally friendly dust collection when grinding and cutting
- Precise grinding and cutting of electrodes
- Minimal use of electrodes
- Perfectly ground angles

## **NEW**

New engine control with

- Service indicator
- Overload protection
- Readout the number of grindings

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grinders

# Ultima-TIG-Cut - the efficient and safe way of grinding and cutting Tungsten electrodes for TIG welding

## Environmentally friendly and safe

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

## Cutting

The cutting module has many setting options, which ensures the precise length needed. Ultima-TIG-Cut makes it simple to make electrode tips with the exact angle and precise length for use in any specific TIG welding job, including robotic and orbital welding.

## High quality

Variable angle setting and unique clamping system centres the electrode so that the grinding is carried out correctly in the longitudinal direction of the diamond disc's running surface. A precise angle of the electrode tip is crucial for weld quality and it increases the number of re-ignitions so that the electrode life is extended.

## Simple operation

It is possible to grind and cut the electrode without removing the electrode from the holder. Hence, handling is very simple. Adjust the grinding angle and length once, and produce the same electrode tip again and again.

## Grinder facts

Electrode size:  $\varnothing 0.8 - 4$  mm  
Cutting: down to 8 mm length  
Min. length (grind): 15 mm standard (8 mm with special electrode clamps)  
Angles: 7.5° - 90° grinding angle (equal to 15° - 180° tip angle)

## Technical specifications

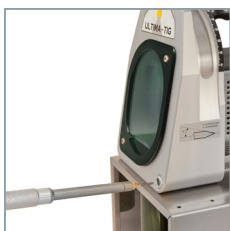
Motor: 110V-50/60 Hz, 220V-50/60Hz  
Motor effect: 280W  
Motor speed: 6000 rpm  
Grinding speed: 31 m/sec.

## Standard unit includes

- Complete grinding and cutting machine including table, diamond discs and grinding liquid
- Electrode holder
- Electrode clamps for  $\varnothing 1.6 - 2.4 - 3.2$  mm electrodes for grinding
- Electrode clamps for  $\varnothing 1.6 - 2.4 - 3.2$  mm electrodes for cutting (Clamps are available for other diameters)

## Main features of Ultima-TIG-Cut

- Safe cutting without the electrode splitting
- Sealed grinding and cutting chamber with dust collector to protect the user
- Variable cutting length and angle setting gives more flexibility
- Wet grinding prevents overheating of the electrode during grinding
- High grinding speed provides faster grinding and a smooth surface
- Electrode holder ensures centring of the tip and reduces electrode waste
- Less electrode waste results in a short payback time



Precise adjustment of the stick-out.



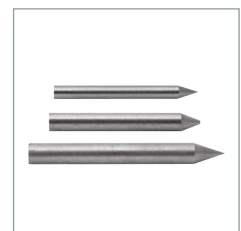
Grind the electrode in the desired angle.



Set the cutting length.



Cut the electrode by turning the handle.



Perfectly ground and cut electrodes.

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