

ESG Plus, ESG Plus²

Tungsten Grinders

The best solution for a precise and fast preparation of tungsten electrodes.

The perfect hand-held grinder for cutting, grinding and planing electrodes which are used in WIG/TIG welding machines.



Repeatable points every time due to preset grinding angles	✓
Easy and fast to use	✓
Optimum preparation for orbital and manual welding	✓
Longitudinal grinding for optimum arc ignition and excellent arc stability	✓
Guarantees longer tool life and ease of ignition of the tungsten electrode	✓
Specially designed for one-off jobs on site	✓
Compact design, optimum resilience and perfect reproducibility	✓
Functional design	✓
Precise orbital grinding	✓

The powerful Hand-Tungsten-Grinder for grinding, facing and cutting.

One machine - complete electrode preparation:

- Grinding electrodes:
 - 4 different angles
 - 6 different electrode sizes
- Facing electrodes
- Cutting electrodes

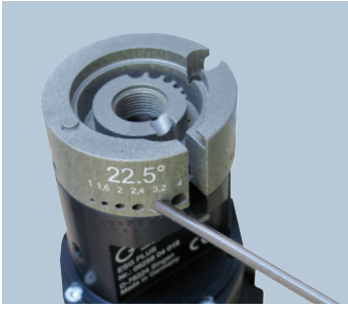
The machines are available with a high-quality and powerful drive with 230 Volt and/or 110 Volt. Machines and accessories are delivered in a durable storage and shipping case.

FURTHER ADVANTAGES:

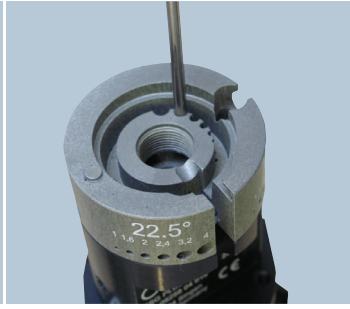
- Facility for easy trimming of the electrodes (optional)
- External dust extractor can be easily adapted
- Short preparation times with high grinding performance
- No adjustment needs to be done before operation

ADDITIONAL FEATURES ESG PLUS²:

- Portable tungsten grinder with two different grinding wheels. This allows the electrode to be pre-ground with the coarse diamond wheel then finished with the fine diamond wheel.



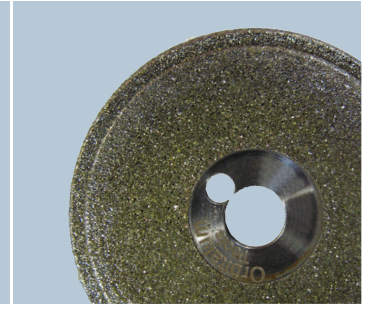
Grinding electrodes:
4 different angles and 6 different electrode sizes



Facing electrodes



Cutting electrodes



Replaceable grinding wheel diamond-coated on both sides for optimal performance



SCOPE OF DELIVERY / APPLICATION RANGE		ESG PLUS	ESG PLUS ²
Code	[230 V]	790 052 485 (15°/18°/22.5°/30°) 790 052 545 (15°/30°/45°/60°)	790 052 585 (15°/18°/22.5°/30°) 790 052 546 (15°/30°/45°/60°)
	[110 V]	790 052 486 (15°/18°/22.5°/30°) 790 052 645 (15°/30°/45°/60°)	790 052 586 (15°/18°/22.5°/30°) 790 052 646 (15°/30°/45°/60°)
	Tungsten grinder	Pc. 1	1
	Durable storage and shipping case	Pc. 1	1
Grinding head for electrodes Ø 1.0 - 1.6 - 2.0 - 2.4 - 3.2 - 4.0 mm (0.04" - 1/16" - 0.08" - 3/32" - 1/8" - 5/32")	Pc. 1	1	1
Grinding head for grinding angle 15° - 18° - 22.5° - 30° or 15° - 30° - 45° - 60°	Pc. 1	1	1
Diamond grinding wheel Fine (790 052 487)	Pc. -	1	-
Diamond grinding wheel Medium (790 052 488)	Pc. 1	-	1
Diamond grinding wheel Coarse (790 052 550)	Pc. -	1	-
Tool to replace the grinding wheel	Pc. 1	1	1
Operating instructions and spare parts list	Set 1	1	1
TECHNICAL DATA		ESG PLUS	ESG PLUS ²
Dimensions (including motor)	[mm]	Ø 65 x 350	Ø 65 x 350
	[inch]	Ø 2.56 x 13.78	Ø 2.56 x 13.78
Power	[W]	500	500
Power-on time	[%]	100	100
Speed (Rotary speed)	[rpm]	30.000	30.000
Main supply cable (length)	[m]	3	3
	[inch]	118.1	118.1
Vibration level (EN 28662, part 1)	[m/s ²]	< 2.5	< 2.5
Noise level at the workplace (Idle running), approx.	[dB (A)]	83	83

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.