

Neutrix®

the tungsten grinder



www.neutrix.biz

Neutrix®

the tungsten grinder **WAG 40.1**



- economic grinding
- cone stump grinding possible
- grinding in longitudinal direction
- stepless angle setting
- triple use of the grinding disc
- integrated dust extraction
- minimal consumption of the electrode
- hardly wear of the grinding disc
- short grinding time
- less dust
- able to grind tungsten electrodes as short as 15mm

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At the scale the angle can be adjusted stepless. Grinding angle of $7,5^{\circ}$ to 90° arise a tip angle of 15° to 180°



The excentric plate (E) enables the triple use of the diamond disc on different grinding orbit.

The angle stop (W) allows a reproducible grinding under same conditions from 15° to 75° .

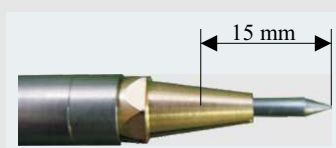


The exact guide (F) and the stop (A) on electrodeholder ensures a precise longitudinal grinding.

The basic setting of the depthgauge is reached by calibration screw (K)



The pre-set depthgauge allows an economic grinding of the electrode tip (minimal consumption of the electrode, short grinding time, less dust and low wear of the diamond disc).

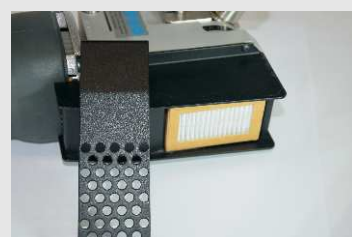


With a special clamp short tungsten electrodes as short as 15mm length can be grinded.

Through an inspection glass the grinding process can be observed and the grinding pressure checked. This is to prevent a glowing of the electrode and the diamond disc not to wear out quickly.



The integrated dust extraction and the exchangeable dust filter are another special feature of the device. They were adapted to the requirements for health and safety.



The speed control is another important feature to tune the optimum grinding speed on the appropriate electrode diameter.



An optional solid stand is available to stabilize the Neutrix during the grinding process.



The Neutrix carries a CE mark, satisfies all applicable EU regulations and is patented.



Neutrix® - the tungsten grinder

With the Neutrix, a portable tungsten grinder was developed which guarantees reproducible quality sections of tungsten electrodes for WIG, Plasma and orbital welding. It meets the requirements of environmental protection.

The special feature of the device, is to grind a variable cone stump under the same and reproducible conditions.

The transport case and light weight are ideal for tasks where a portable grinder is required. For workshop operation the Neutrix is available with a stand S and SW (accessory) and Neutrix S and SW with fixed base and a large dust filter

Typ: WAG 40.1 **Art.-Nr.: 44170 (230 V / 50-60 Hz)**
Art.-Nr.: 44173 (110 V / 50-60 Hz)

technical data:

power: 850 W
power supply: 230 V/ 50 - 60 Hz
Rpm: 11.500 min⁻¹ - 22.000 min⁻¹
Lpa sound pressure: 88,8 dB(A)
vibration value: 5 m/s²
diameter of the electrodes: 1,0 mm - 4,0 mm
filter cassette: disposable filter
diamond disc: ø 40 mm
weight: 2,8 kg

scope of delivery:

transport case
electrode holder
electrode clamp ø 1,6 mm
electrode clamp ø 2,4 mm
electrode clamp ø 3,2 mm
allen key 2 mm
allen key 4 mm
wrench 13/17
wrench 13/14
bag for disposal of the filter cassette
suction cup
operation manual
cleaning brush
grease



stand-S
Art.-Nr. 44-07-45510250



stand-SW
(without tools)
Art.-Nr. 44-07-45510252



wall holder (W)
Art.-Nr. 44-07-45510253

Neutrix® - developments

Art.-Nr. 54170



WAG40.1 S

Art.-Nr. 54171



WAG40.1 SW

Art.-Nr.: 59000



WTG50

Art.-Nr. 59100



WTG50Z

(accessories mounted)

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videomaterial and prospects you
can find on: www.neutrix.biz



dealer:

Quality in grinding

www.neutrix.biz

Neutrix®

WAG 90.1 MAX

the tungsten grinder



Setting higher standards

- grinding in longitudinal direction
- stepless angle setting
- triple use of the grinding disc
- integrated dust extraction
- cone stump grinding possible
- running time 100%
- less dust
- able to grind tungsten electrodes as short as 15mm
- deburring for ac-welding

With the Neutrix WAG90.1MAX a stationary tungsten grinder was developed which guarantees reproducible quality sections of tungsten electrodes for WIG, Plasma and orbital welding. It meets the requirements of environmental protection. The special feature of the device, is to grind a variable cone stump under the same and reproducible condiotions.

Electrode-diameter: 1,0 to 5,6 mm standard
6,0 to 8,0 mm optional
Electrode-length: 15 - 175 mm

fine dust filter and coarse dust container



guideline values for electrode-diameter of 2,4mm:

| | | | | | |
|-----------------|--------|--------|---------|---------|---------|
| grindingangle | 15° | 30° | 45° | 60° | 75° |
| welding current | 10-50A | 20-90A | 30-140A | 50-180A | 80-230A |

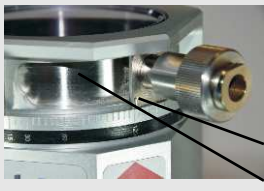
A cone stump at the top of the electrode improves the ignitionand the performance of the grinded electrode.



At the scale the angle can be adjusted stepless.

Grinding angle of 7,5 ° to 90 ° arise a tip angle of 15 °to 180 °

The angle stop (W) allows a reproducible grinding under same conditions from 15° to 75°.



The excentric plate (E) enables the triple use of the diamond disc on different grinding orbit

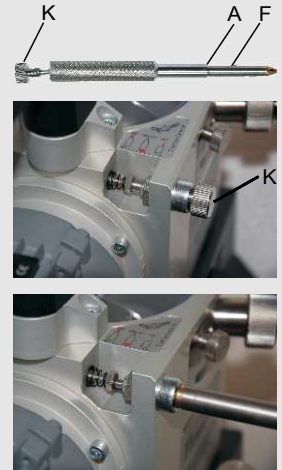


The exact guide (F) an the stop (A) on electrodeholder ensures a precise longitudinal grinding.

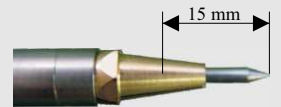
The basic setting of the depthgauge is reached by calibrationscrew (K)

90.1 MAX

The pre-set depth gauge allows an economic grinding of the electrode tip (minimal consumption of the electrode, short grinding time, less dust and low wear of the diamond disc.)



With a special clamp short tungsten electrodes as short as 15mm length can be grinded.



Through an inspection glass the grinding process can be observed and the grinding pressure checked. This is to prevent a glowing of the electrode and the diamond disc not to wear out quickly.



The integrated dust extraction and the exchangeable dust filter are another special feature of the device. They were adapted to the requirements for health and safety.



A solid base stabilizes the device during the grinding process.



The Neutrix carries a CE mark, satisfies all applicable EU regulations and is patented.



Neutrix® - the tungsten grider

Typ WAG90.1 MAX

technical data:

| | |
|---------------------|-----------------------------------|
| power PI: | 120 W |
| power supply: | 230 V/ 50 - 60 Hz |
| duty cycle: | 100 % |
| RPM: | 2.950 min ⁻¹ |
| Lpa sound pressure: | 62,0 dB(A) |
| vibrationvalue: | 2,8 m/s ² |
| electrode-diameter: | 1,0 mm to 8,0 mm |
| electrode-length: | from 175 mm tp 15 mm |
| filtercassette: | disposal filter (Typ 8511 K1.H12) |
| dustcontainer: | 100 x 90 mm |
| diamonddisc: | ø 90 mm |
| weight: | 12,1kg |

art. nr.: 55100

scope of delivery:

Neutrix WAG 90.1MAX
electrodeholder
clamp for electrode ø 1,6 mm
clamp for electrode ø 2,4 mm
clamp for electrode ø 3,2 mm
allen key 4 mm
wrench 13/17
wrench 8/10
cleaning brush
disposalbag for filter
suction cup
operation manual

accessory:

clamp for electrode ø 1,0 mm art. nr.: 55-00-21910
clamp for electrode ø 2,0 mm art. nr.: 55-00-21920
clamp for electrode ø 3,0 mm art. nr.: 55-00-21930
clamp for electrode ø 4,0 mm art. nr.: 55-00-21940
clamp for electrode ø 4,8 mm art. nr.: 55-00-21948
clamp for electrode ø 5,6 mm art. nr.: 55-00-21956

optional accessories:

clamp for elektrode ø 6,0 mm- 8,0 mm
special electrode holder
special clamp for tungsten electrode 15 mm lenght

service-kit

art. nr.: 55-00-90001

Neutrix WAG90 MAX consisting of:

1 tube grease FDA-G2
1 dustcontainer
1 diamonddisc
1 filtercassette
1 suction cup
1 cleaning brush
1 operation manual



Neutrix® - developments

Art.-Nr. 44070



WAG40

Art.-Nr. 54070



WAG40 S

Art.-Nr. 54071



WAG40 SW

Art.-Nr. 59000



WTG 50

Art.-Nr. 55200



WATG 90.1KOM

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Dealer:

Neutrix®

WATG 90.1 KOM
the tungsten grinder



Setting higher standards

- grinding in longitudinal direction
- stepless angle setting
- triple use of the grinding disc
- integrated dust extraction
- cone stump grinding possible
- running time 100%
- less dust
- able to grind tungsten electrodes as short as 15mm
- deburring for ac-welding

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With the Neutrix WAG90.1MAX a stationary tungsten grinder was developed which guarantees reproducible quality sections of tungsten electrodes for WIG, Plasma and orbital welding. It meets the requirements of environmental protection.

The special feature of the device, is to grind a variable cone stump under the same and reproducible conditions.

With the integrated cutting unit, you can cut tungsten electrodes from a length 3mm-85mm.

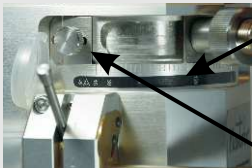
electrode-diameter: 1,0 to 5,6 mm standard
6,0 to 8,0 mm optional

guideline values for electrode-diameter of 2,4mm:



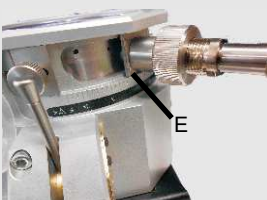
| | | | | | |
|-----------------|--------|--------|---------|---------|---------|
| grinding angle | 15° | 30° | 45° | 60° | 75° |
| welding current | 10-50A | 20-90A | 30-140A | 50-180A | 80-230A |

A cone stump at the top of the electrode improves the ignition and the performance of the grinded electrode.



At the scale the angle can be adjusted stepless.
Grinding angle of 7,5 ° to 90 ° arise a tip angle of 15 ° to 180 °

The angle stop (W) allows a reproducible grinding under same conditions from 15° to 75°.



The excentric plate (E) enables the triple use of the diamond disc on different grinding orbit



The exact guide (F) and the stop (A) on electrode holder ensures a precise longitudinal grinding .

The basic setting of the depth gauge is reached by calibration screw (K)

ATG90.1KOM

The pre-set depthgauge allows an economic grinding of the electrode tip (minimal consumption of the electrode, short grinding time, less dust and low wear of the diamond disc.)



Through an inspection glass the grinding process can be observed and the grinding pressure checked. This is to prevent a glowing of the electrode and the diamond disc not to wear out quickly.



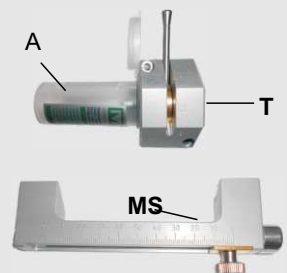
The integrated dust extraction and the exchangeable dust filter are another special feature of the device. They were adapted to the requirements for health and safety.



With the setting gauge you can adjust the length of the electrode. The operation is repeatable for electrodes from 3mm to 85mm.

Cutting unit (T). You can cut the electrodes to the desired length.

The cut electrode is located in the collecting container (A)



A solid base stabilizes the device during the grinding process.



The Neutrix carries a CE mark, satisfies all applicable EU regulations and is patented.



Neutrix® - the tungsten grinder

Typ WAG90.1KOM

technical data:

| | |
|---------------------|-----------------------------------|
| power PI: | 120 W |
| power supply: | 230 V/ 50 - 60 Hz |
| duty cycle: | 100 % |
| RPM: | 2.950 min ⁻¹ |
| Lpa sound pressure: | 62,0 dB(A) |
| vibrationvalue: | 2,8 m/s ² |
| electrode-diameter: | 1,0 mm to 8,0 mm |
| electrode-length: | from 175 mm tp 15 mm |
| filtercassette: | disposal filter (Typ 8511 K1.H12) |
| dustcontainer: | 100 x 90 mm |
| diamonddisc: | ø 90 mm |
| diamond-cuttingdisc | ø 50mm |
| weight: | 12,1kg |

art. nr.: 55200

scope of delivery:

Neutrix WAG 90.1KOM
electrodeholder
clamp for electrode ø 1,6 mm
clamp for electrode ø 2,4 mm
clamp for electrode ø 3,2 mm
allen key 4 mm
wrench 13/17
wrench 8/10
cleaning brush
disposalbag for filter
suction cup
operation manual

accessory:

clamp for electrode ø 1,0 mm art. nr.: 55-00-21910
clamp for electrode ø 2,0 mm art. nr.: 55-00-21920
clamp for electrode ø 3,0 mm art. nr.: 55-00-21930
clamp for electrode ø 4,0 mm art. nr.: 55-00-21940
clamp for electrode ø 4,8 mm art. nr.: 55-00-21948
clamp for electrode ø 5,6 mm art. nr.: 55-00-21956

optional accessories:

clamp for elektrode ø 6,0 mm- 8,0 mm
special electrode holder
special clamp for tungsten electrode 15 mm lenght

service-kit

art. nr.: 55-00-90002

Neutrix WAG90.1 KOM consisting of:

1 tube grease FDA-G2
1 dustcontainer
1 diamonddisc
1 diamond-cuttin disc
1 filtercassette
1 suction cup
1 cleaning brush
1 operation manual



Neutrix® - developments

Art.-Nr. 44070



WAG40

Art.-Nr. 54070



WAG40 S

Art.-Nr. 54071



WAG40 SW

Art.-Nr. 59000



WTG 50

Art.-Nr. 55100



WAG90.1MAX

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dealer:

Neutrix®

tungsten-electrode cutter **WTG 50**



- cutter for Neutrix WAG40/WAG90-Series

- economic cutting of WIG-electrodes

- cutting electrodes from 1,0 -5,6 mm

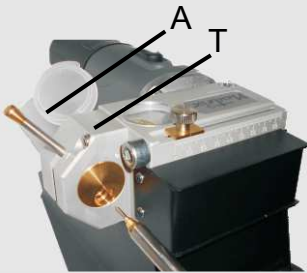
- possible electrode-length 3-85 mm

- collecting container for cutted electrodes

The **Neutrix WAG50** was developed, only for cutting tungsten electrodes.



With the setting gauge you can adjust the length of the electrode. The operation is repeatable for electrodes from 3mm to 85mm.



Cutting unit (T). You can cut the electrodes to the desired length.
The cut electrode is located in the collecting container (A)



With the collecting container (A), you can transport the cut electrodes to a place of your choice loss-free.

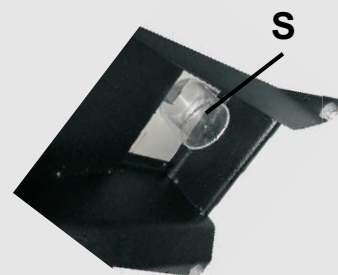


Through the inspection glass you can control the quality of the diamond-cutting disc.

The speed-control optimizes the cutting process.
The optimum speed for cutting is on setting 2.



The dust-container (S) under the stand, is collecting the fine dust from the cutted electrode.



A solid stand (no accessories mounted), stabilizes the device during the cutting process.



Accessories (mounted) allows the cutting of all tungsten electrodes.



Neutrix-devices are CE marked and satisfies all applicable EU regulations.



Neutrix® - tungsten electrode cutter

WTG50 ART.-Nr.: 59000

Is a cutting device (no accessories) for tungsten electrodes, which is used in connection with WAG40-, WAG90MAX- and UltimaTig-series

technical data:

| | |
|------------------------|---|
| power: | 850 W |
| power supply: | 230 V/ 50 - 60 Hz |
| RPM: | Regelbar von 8.000 min ⁻¹ bis 22.000 min ⁻¹ |
| lpa sound pressure: | 88,8 dB(A) |
| vibration value: | 5 m/s ² |
| diameter of electrode: | 1,0 mm bis 5,6 mm |
| diamond-cutting disc: | Ø 50 mm |

scope of delivery:

WTG50

- cuttinghead with motor
- cuttingunit
- dust-container
- accessories and service tools in WAG40/WAG90-Serie included

accessorie set art.-nr.:59200

- electrode holder
- electrode clamp Ø 1,6/2,4/3,2 mm
- wrench 13/17
- wrench 14/17
- allen key SW4
- allen key Sw2
- tray for tools
- mounting for electrode holder & clamps



WTG50Z Art.-Nr.:59100

Is a cutting device (including accessories) for all grinded and non-grinded tungsten electrodes.

All 3 items are to be obtained individually

Neutrix®-Developments

Art.-Nr. 44070



WAG 40

Art.-Nr.: 54070



WAG 40S

Art.-Nr.: 54071



WAG 40SW

Art.-Nr.: 55000



WAG90MAX

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videomaterial and prospects you
can find on: www.neutrix.biz



Quality in cutting

WELDONE

WELDING SOLUTIONS & PRODUCTS ONE GLOBAL PARTNER

VENDITA
NOLEGGIO
ASSISTENZA TECNICA
FORMAZIONE
CONSULENZA

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GAS TECNICI - MATERIALI E IMPIANTI PER SALDATURA E TAGLIO - IMPIANTI DI ASPIRAZIONE - SCUOLA DI SALDATURA