

PRECISION AND POWER IN A NEW DIMENSION
BOOSTER.PRO 250/320



Unique welding characteristics



Made for the future **BOOSTER.PRO 250/320**

The future can be realised by REHM innovations - that is our ambition. The BOOSTER.PRO range has been designed and developed for more welding quality and mobility in the heavy metal industry and for superior construction.

REHM thus redefines the possibilities in these sectors. Profit from a unique performance potential at a unattained level so far.





**More quality.
More mobility.
More options.**

**BOOSTER.PRO
250/320**

One unit – many uses

The BOOSTER.PRO combines the finest welding equipment technology with the greatest degree of operating convenience. The unique coaction of the newly developed **Bi-Power-Inverter** and the precise, digital welding process regulation offers as yet unattained welding properties.

Highlights

- Simple and safe handling
- 60 % duty cycle
- Perfect arc stability
- Reliable specialist for tough building site use even under unfavourable conditions
- High-performance cooling with closed coolant channel
- Impact resistant plastic front
- Connection for remote control
- Programming by experts for rutile and basic electrodes as well as for cellulose types
- Optional with gas valve and REHM R-TIG torch

Universally applicable

Designed for flexible use, the BOOSTER.PRO range covers a wide range of applications and convinces when performance and durability affect economy.

- System, container, steel, bridge or shipyard construction
- Machine and tool construction
- Industrial systems and pipe construction
- Maintenance, assembly and repair
- Craft and industry

BOOSTER.PRO 250/320 – You benefit

It doesn't matter whether you process rutile, basic or cellulose electrodes, mixed types or flame-gouge electrodes. The perfect matching of the high quality performance components guarantees impressive ignition and welding properties for all current materials such as low or high-alloy steel, stainless steel, tool steel, nickel and nickel based alloys, copper, aluminium, multi-component bronze and bronze. All that in a quality that can be reproduced at any time.

The handle/carry strap combination developed especially for the BOOSTER.PRO makes mobility more ergonomic. Depending on the use and application, the 16,5 kg unit can be easily transported and handled.

Highest operating convenience

- 1 Digital display
- 2 R-Drive (press and rotate) to set the welding current as well as the HotStart and ArcForce values
- 3 Electrode function and selection of electrode type
- 4 Selection of the TIG function
- 5 Setting of HotStart
- 6 Setting of ArcForce

Display LEDs for

- 7 Remote control, active
- 8 Operation
- 9 Temperature

Display LEDs for

- 10 Welding current in Ampere
- 11 HotStart and ArcForce in %



HotStart

A large setting range ensures a constantly safe and fault-free ignition.

ArcForce

The generously designed ArcForce regulation optimises the droplet transfer and reduces the formation spatters.

The HotStart and ArcForce can be freely programmed for each electrode type and can be saved as the standard setting.

AntiStick

Prevents the accidental sticking and burn out of the electrode.

ELSA.PRO – Electronic Stabilized Arc

The highly dynamic, digital welding process regulator with its unique precision and exact reproducibility ensures excellent welding properties, even with large-area fusions.

Generator compatibility

More flexibility in mobile use, for example, on building sites.

Bi-Power-Inverter

The 200 kHz-Bi-Power-Inverter already successfully used in the INVERTIG.PRO range offers optimum energy efficiency, alongside high power density and simultaneous low weight.

Power under control – made by professionals for professionals

Welding current of 250 A and 320 A with a 60 % duty cycle with a unique weight performance ratio and, at the same time, small dimensions.

BOOSTER.PRO 250/320



TIG welding

Comfortable TIG DC welding with Lift-Arc ignition, optional with integrated gas management and 2-step function.

Ignition Command System ICS

The highly-developed processor control system is used to create the optimum setting for ignition energy, quickly and simply, in both lift arc ignition of the TIG DC arc as well as for the ignition of stick electrodes.

Remote control connection

Each BOOSTER.PRO 250 or 320 is fitted as standard with a remote control connection. The remote control may be implemented via a hand-held remote or a potentiometer installed in the electrode holder.

CEL compatible

A vertical-down safe welding of cellulose electrodes is guaranteed.

Welding programs for

- Rutile electrodes
 - Basic electrodes
 - Cellulose electrodes
- with individualised HotStart and ArcForce parameters for every type of electrode.

IP23

The IP23 protection class enables use outdoors.

Greatest operating convenience – even with gloves on

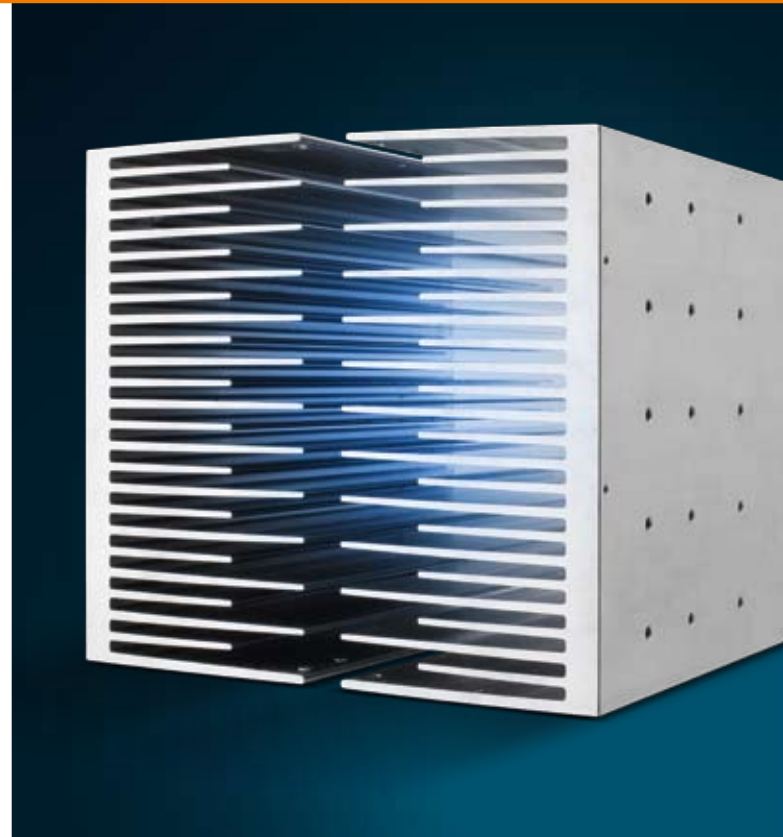
In the new BOOSTER.PRO, REHM continues the RMI user interface concept. Any operator is intuitively able to start working with the unit at any time. Stored characteristic curve values tried and tested by the REHM application technicians ensure the optimum welding parameters the moment the machine is switched on. Select the electrode type, set the welding current, and you're ready to go. The large buttons and the tried and tested R-Drive ensure safe operation even when wearing gloves.

Closed cooling channel – Optimum and clean cooling

The cooling system used by the BOOSTER.PRO 250 and 320 is structured in such a way that the cooling air only flows through the closed cooling channel of the high-performance cooler.

The technology of the **Bi-Power-Inverter** ensures that the generated heat is transferred directly to the cooler. This means that direct cooling of the components is superfluous. The electronics in the interior of the unit are thus not subject to the usual dirt particles or abrasive dust. This improves operational safety significantly.

Digital precision control



Highest energy efficiency

Why use more power than necessary? The REHM **Bi-Power-Inverter** is particularly effective at work. The intelligent energy management, in conjunction with the use of innovative components, means that almost all of the employed power is converted into the arc. With the ever increasing energy costs, the BOOSTER.PRO also contributes considerably, in terms of energy consumption, to the economic success of the unit.

Ergonomics

The size and weight of the BOOSTER.PRO are designed to enable mobile use.

Reduced noise emissions

The temperature controlled multiple stage fan switching automatically optimises the cooling performance and reduces the noise emissions.

EMC – Electromagnetic Compatibility

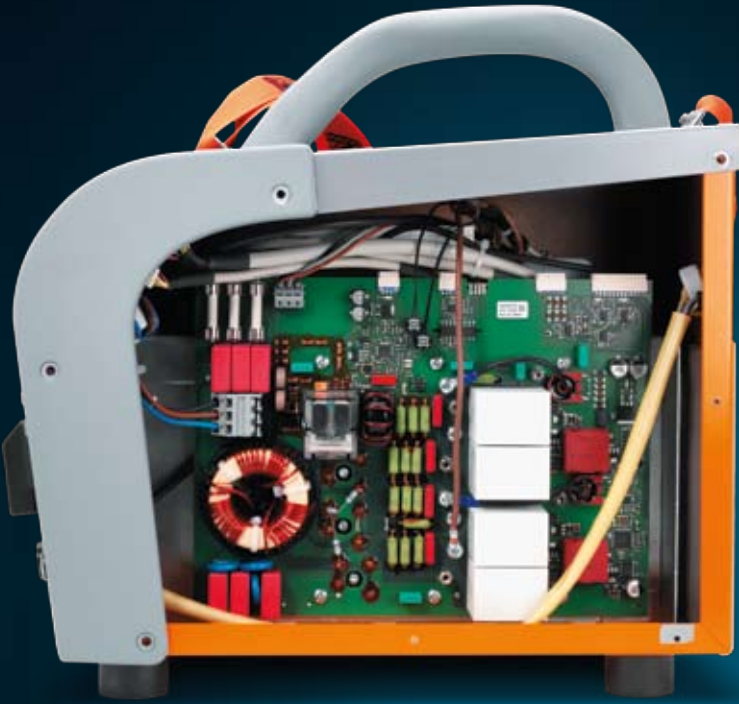
The electromagnetic radiation of the BOOSTER.PRO already fulfills the future requirements of the EN 60974-10.

Premium quality

All parts of the unit have been tested in experienced long running tests for tough use situations. The manufacturer guarantee of 3 years supports our quality promises.



BOOSTER.PRO 250/320



Equipment and accessories

- Welding cable
- Welding cable with integrated potentiometer for remote regulation of welding current
- Hand remote control
- Earth cable
- TIG torch R-TIG 17 V/4 m and 8 m with integrated gas-valve
- R-TIG torch R-TIG 12 - 200 V/4 m and 8 m *iSYSTEM*, together with optional gas management
- Optional gas management
- Rambo Kit
- A comprehensive range of welding accessories and a range of stick electrodes can be found in our welding accessories catalogue.

Initial start-up set consisting of

- Earth cable 35 mm²/4 m or 50 mm²/4 m
- Welding cable 35 mm²/5 m or 50 mm²/5 m

TECHNICAL DATA BOOSTER.PRO

Type		BOOSTER.PRO 250	BOOSTER.PRO 320
Setting range, stepless	[A]	5 – 250	5 – 320
Duty cycle at I _{max} (10 min. / 40°C)	[%]	60	60
Welding current at 100 % Duty cycle (40°C)	[A]	210	250
Open circuit voltage	[V]	86	86
Power supply (50/60 Hz)	[V]	400	400
Fuse (slow-blowing)	[A]	16	16
Protection class		IP 23	IP 23
Weight	[kg]	16.5 kg	16.5 kg
Dimensions L x W x H	[mm]	440 x 260 x 400	
Article number		1520250	1520320

REHM – Setting the standard for modern welding and cutting

The REHM performance program

- **REHM MIG/MAG inert gas welding units**
SYNERGIC.PRO^{2®} gas and water-cooled to 450 A
SYNERGIC.PRO^{2®} water-cooled 500 A to 600 A
MEGA.ARC[®] stepless regulation to 450 A
PANTHER 200 PULS impulse welding unit with 200 A
MEGAPULS[®] impulse welding units to 500 A
- **REHM WIG inert gas welding units**
TIGER[®], single-phase, 170 and 210 A
INVERTIG.PRO[®], three-phase, 240 to 450 A
- **REHM arc-hand welding units**
BOOSTER.PRO 170 and 210, single phase
BOOSTER.PRO 250 and 320, three phase
- **REHM AUTOMATION.SYSTEMS**
- **REHM plasma cutting units**
- **Welding accessories and additional materials**
- **Welding smoke extraction systems**
- **Technical welding consultation**
- **Torch repair**
- **Service**

Development, construction and production – all under one roof – in our factory in Uhingen. Thanks to this central organisation and our forward-thinking policies new discoveries can rapidly incorporated into our production. The wishes and requirements of our customers form the basis for a innovative product development. A multitude of patents and awards represent the precision and quality of our products. Customer proximity and competence are the principles which take highest priority in our consultation, training and service.

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