

**THE NEW TIGER<sup>®</sup>**  
**DIGITAL TO GO!**



THE LIGHTEST  
TIG-DEVICE IN  
THE REHM - CLASS

from **7,1 kg**

**TIGER**<sup>®</sup>  
Setting the pace in Welding

## The benchmark for modern TIG welding

### Trades

The mobile solution for all welding tasks that trades encounter every working day. Regardless of whether the task involves the processing of stainless steel, aluminium, steel, copper or titanium in different material thicknesses.

The TIGER® can do it all !



**TIGER®: Tacking and welding perfection.**  
**Success with REHM HYPER.SPOT and RHEM Hyper.puls.**

The **TIGER®** delivers superior quality, perfect weld seam optic and significantly reduces rework. You benefit of these advantages together with unparalleled mobility. With a maximum weight of 7.9 kg for the gas-cooled version the **TIGER®** is the lightest TIG device in the REHM class.





## REHM design provides pure mobility

### Industry

Welding in the assembly and maintenance area is much more demanding. The easy mobility and handling of the unit in particular is one of the most important features in practice.

A new, intuitive operating concept allows the TIGER® to offer maximum reliability when selecting welding parameters and enhances user friendliness. The digital display makes it easier even for the skilled welder to get the right setting reliably and quickly.

**TIGER®: The result counts.**  
Which is why the perfect arc is necessary.

The **TIGER®** with its **8 process variants** masters any application with the correct arc



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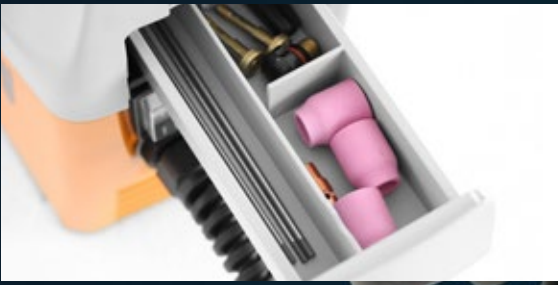
# The benchmark for modern TIG welding

## More than just a handle



The **TIGER**® handle offers perfect carrying comfort. The interference-free storage solution for stowing the hose pack and associated equipment, ensures that the welders always have their second hand free.

## Everything to hand



The **TIGER**® draw ensures that all of the device's wear parts are at hand. No need to have to go and fetch things that have been forgotten. That saves time and money.

## Dropping without failure...



and from a height of up to 90 cm. The **TIGER**® housing is designed so that the impacts that occur from being dropped from this height do not cause damage to the electronics.

## The lightest TIG unit in the REHM class

### Each job has one button

Storing and recalling the most important device settings cannot be any quicker.

### Everything in digital view

Everything at a glance in an excellent graphic presentation. Protected by a shock-resistant plastic screen, the display is simply more robust than conventional displays.

### A button for everything

The R-Pilot rotary encoder, especially developed for tough applications, intercepts mechanical effects. The housing absorbs forces before they can damage the electronics.

### Dirt and filth don't matter

The electronics space is encapsulated and is always kept clean and protected. Contaminated air and grinding dust from the working environment are channelled through a special air channel.

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## The QUICK CH

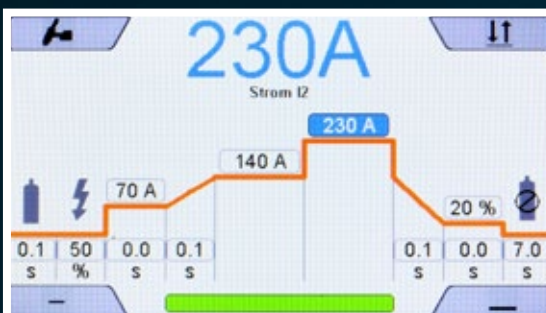
Easy and fast storage of four current we

### The classic screen



The self-explanatory graph shows all settings at a glance. Correlation become transparent and understandable.

### Dynamic graphic display



Changes to welding parameters are graphically displayed. Erroneous settings are immediately recognised. Only what currently active is actually displayed.



Quick and easy navigation in the

### Four multifunctional

## The intuitive operating concept

### VOICE buttons

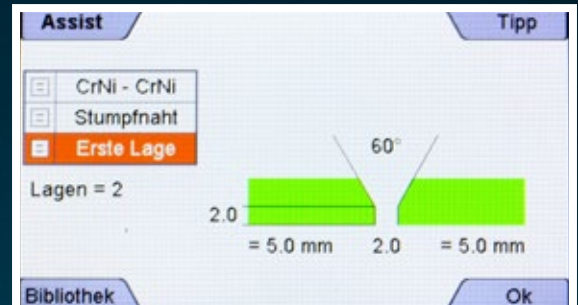
Welding tasks.



particular application field.

### selector buttons

### Assist – help when its needed



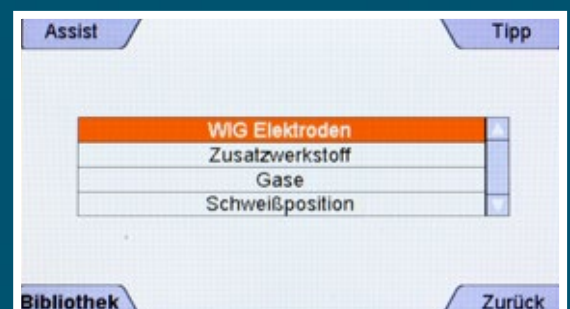
New and only available with REHM devices:  
Possibility of setting a TIG welding device. The setting is performed by selecting the base material, shape of the weld and material thickness.

### Welding tips for everyone

Spaltbreite	2.0 mm
Lagenanzahl	2
Gasart	Argon
Gasdurchflussmenge	7.0 l/min
Gasdüsendgröße	10.0 mm
Vorwärmtemperatur	---
Zusatzwerkstoff Ø	2.0 mm
Elektrodentyp	WCe 20
Wolframelektroden Ø	2.4 mm

The **TIGER**® provides support by offering comprehensive information about the welding task, which the user would like to perform. This improving reliability and quality.

### The complete Know-how



Even in the selection of gases, electrodes or filler materials, **TIGER**® supports the user. Which filler material may be used? The **TIGER**® has the answer.

# The benchmark for modern TIG welding

## TECHNICAL DATA

TIGER® digital		180 DC HIGH	180 AC/DC HIGH	180 DC ULTRA	180 AC/DC ULTRA
Setting range TIG	[A]	4-180	4-180	4-180	4-180
Duty cycle (ED) at I <sub>max</sub> . (10 min.) at 40 °C TIG	[%]	40	40	40	40
Mains connection	[V]	1 x 230	1 x 230	1 x 230	1 x 230
Mains frequency	[Hz]	50/60	50/60	50/60	50/60
Fuse (slow-blow)	[A]	16	16	16	16
Torch cooling		Gas/water*	Gas/water*	Gas/water*	Gas/water*
Protection type		IP 23 S	IP 23 S	IP 23 S	IP 23 S
Power factor	[cos phi]	0.98	0.98	0.98	0.98
Power consumption at I <sub>max</sub> .	[kVA]	6.1	6.1	6.1	6.1
Insulation class		F	F	F	F
Control socket	[pin]	19	19	19	19
Welding cable socket	[mm]	13	13	13	13
Weight	[kg]	7.1 / 15.6**	7.3 / 15.8**	7.1 / 15.6**	7.3 / 15.8**
Dimensions (LxWxH)	[mm]	480 x 160 x 320	480 x 160 x 320	480 x 160 x 320	480 x 160 x 320

\*Optional, \*\*Water-cooled version

TIGER® digital		230 DC HIGH	230 AC/DC HIGH	230 DC ULTRA	230 AC/DC ULTRA
Setting range TIG	[A]	4-230	4-230	4-230	4-230
Duty cycle (ED) at I <sub>max</sub> . (10 min.) at 40 °C TIG	[%]	35	35	35	35
Mains connection	[V]	1 x 230	1 x 230	1 x 230	1 x 230
Mains frequency	[Hz]	50/60	50/60	50/60	50/60
Fuse (slow-blow)	[A]	16	16	16	16
Torch cooling		Gas/water*	Gas/water*	Gas/water*	Gas/water*
Protection type		IP 23 S	IP 23 S	IP 23 S	IP 23 S
Power factor	[cos phi]	0.99	0.99	0.99	0.99
Power consumption at I <sub>max</sub> .	[kVA]	5.8	5.8	5.8	5.8
Insulation class		F	F	F	F
Control socket	[pin]	19	19	19	19
Welding cable socket	[mm]	13	13	13	13
Weight	[kg]	7.5 / 16.0**	7.9 / 16.4**	7.5 / 16.0**	7.9 / 16.4**
Dimensions (LxWxH)	[mm]	480 x 160 x 320	480 x 160 x 320	480 x 160 x 320	480 x 160 x 320

\*Optional, \*\*Water-cooled version

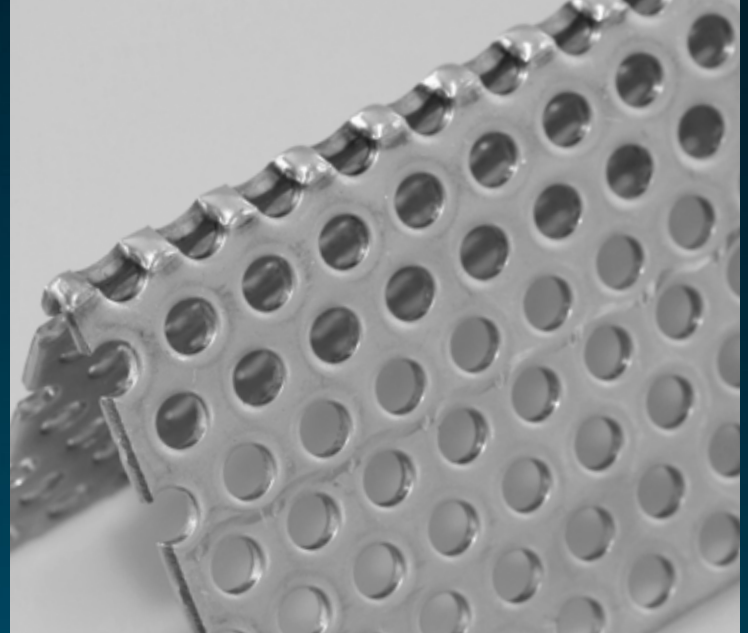
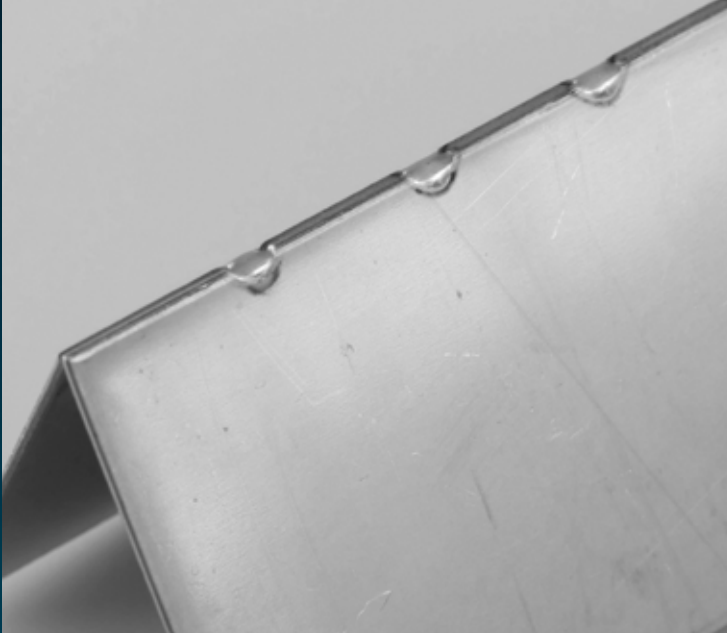
## TIGER® digital WELDING UNITS ARE AVAILABLE IN THE HIGH AND ULTRA VERSIONS

A TIGER® TIG welding unit of the HIGH version offers a great number of functions as standard. The ULTRA version includes two additional options; the 17.5 kHz HYPER.PULS technology and the DUAL WAVE technology. The ULTRA version also has over 99 memory locations for recurring welding programs and an extended scope for individually setting different welding parameters. Both versions are available as DC or AC/DC models for welding aluminium and with optional water cooling.



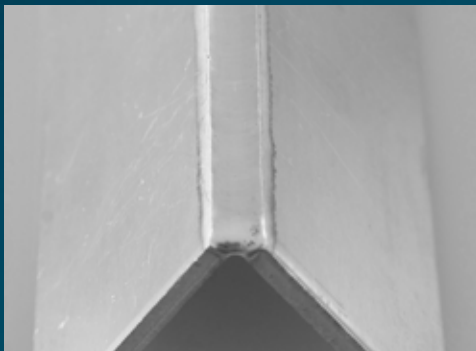
# The TIGER® for every TIG application

## WELDING SEAMS TIGER® digital - THE RESULT COUNTS



### Corner weld CrNi

1.0mm CrNi tacked with REHM **HYPER.SPOT**  
no warping, hardly any annealing colours.



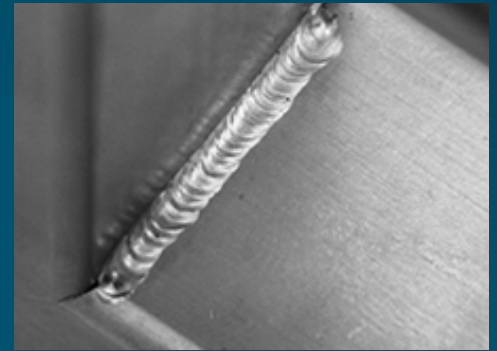
### Aluminium corner weld

Function: **AC + HYPER.PULS**  
without filler material



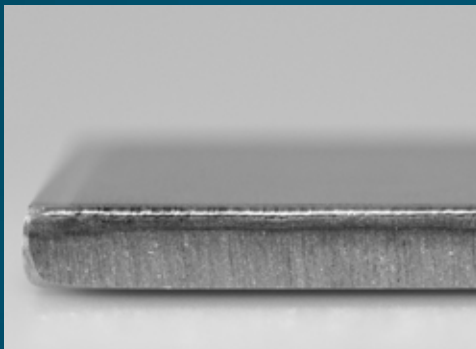
### Aluminium corner weld

Function: **AC**  
with filler material



### Fillet weld

Function: **HYPER.PULS**  
with filler material



### Corner weld

Function: **HYPER.PULS + INTERVAL**  
with filler material



### Corner weld

Function: **HYPER.PULS**  
with filler material



### Circumferential weld

Function: **HYPER.PULS**  
without filler

## The benchmark for modern TIG welding

### TIGER® digital Set - ALU - THE SPACE SAVING SOLUTION



#### TIGER® digital Set aluminium box

##### The box:

- Base-inlet made of high-quality foam
- Enormous space for even more equipment
- Highly robust aluminium housing
- Excellent carrying comfort

##### The set:

- TIGER® TIG torch R-TIG 210
- TIGER® ground cable
- Pressure reducer

### TIGER® digital Set - WELD PROVEN AND COMPACT



#### TIGER® digital Set plastic case

##### The case:

- Double-inlet made of high-quality foam
- Torch, ground cable and pressure reducer are stowed so that they cannot slide around
- The ergonomically designed handle ensures excellent carrying comfort

##### The set:

- TIGER® digital TIG torch R-TIG 210
- TIGER® digital ground cable
- Pressure reducer

## REHM design provides pure mobility

### THE MACHINE TYPES



TIGER® digital 180/230 AC & AC/DC GAS COOLED

TIGER® digital 180/230 AC & AC/DC WITH WATER COOLING UNIT

### TIGER® digital ACCESSORIES

Welding torch R-TIG 140, 210, 250



UP/DOWN FUNCTION, CONVENIENT OPERATION

Remote foot controller



R-TIG wear parts set



Cooler





# REHM – The benchmark for modern welding

## THE REHM PRODUCT RANGE

- REHM TIG/MAG inert gas-welding equipment
  - SYNERGIC.PRO<sup>2®</sup> gas and water cooled up to 450 A
  - SYNERGIC.PRO<sup>2®</sup> water cooled 500 A to 600 A
  - MEGA.ARC<sup>2®</sup> continuously adjustable up to 450 A
  - PANTHER 202 PULS pulse welding equipment with 200 A
  - MEGA.PULS FOCUS<sup>®</sup> pulse welding equipment to 530 A
  - SYNERGIC.PULS pulse welding equipment 230 A to 430 A
- REHM TIG inert gas-welding equipment
  - TIGER<sup>®</sup> digital 180 and 230 A, single-phase
  - INVERTIG.PRO<sup>®</sup> and INVERTIG.PRO<sup>®</sup> digital 240 A to 450 A, three-phase
  - INVERTIG.PRO COMPACT and INVERTIG.PRO COMPACT digital 240 A to 450 A, three-phase
- REHM hand-held arc welding equipment
  - BOOSTER 140, BOOSTER.PRO 170 and 210, single phase
  - BOOSTER.PRO 250 and 320, three-phase
- REHM Plasma cutting systems
- Welding accessories and consumables
- Welding gas extraction
- Welding turntables
- Technical welding advice
- Torch repairs
- Service

WEEE-Reg.No. DE 42214869



REHM Uchingen

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