



Trans- Tig

TransTig series

We were uncompromising in our pursuit of a totally stable arc during the development of the TransTig 170/210. This was achieved through the higher operating frequency of the inverter technology and the associated precise control. Other benefits of this optimized process technology are maximum efficiency in the duty cycle, the output power, and the mains voltage supply.



40% duty cycle at maximum output power – weld for four minutes without a break



30% mains voltage tolerance at maximum output power



Absolutely stable arc thanks to digital resonant intelligence



Complete MMA welding system which can also be used to weld with cellulose electrodes





Setting welding parameters with ease – no problem with TransTig thanks to its intuitive knob and push-button operation.

It is also possible to apply numerous settings in the background menu. The operating area itself is set into the device and thereby optimally protected.

TransTig

Compact welding systems for different TIG applications



TransTig 170

Mains voltage: -30%/+15%: 1 x 230 V
Weight: 9.8 kg
Dimensions L/W/H: 435 x 160 x 310 mm
Degree of protection: IP 23

Welding current:
TIG 40/100% D.C.: **170/140 A**
MMA 40/100% D.C.: **150/110 A**



TransTig 210

Mains voltage: -30%/+15%: 1 x 230 V
Weight: 9.8 kg
Dimensions L/W/H: 435 x 160 x 310 mm
Degree of protection: IP 23

Welding current:
TIG 40/100% D.C.: **210/160 A**
MMA 40/100% D.C.: **180/120 A**

Functions and equipment features

	TransTig 170	TransTig 210
HF ignition	✓	✓
Touch HF	✓	✓
Touchdown ignition	✓	✓
TAC tacking function (TIG)	✓	✓
Trigger Mode off	✓	✓
PFC	✓	✓
Gas pre-flow time	✓	✓
Spot and stitch welding	✓	✓
PTD pulse / TAC display	✓	✓
Up/Down welding torch	✓	✓
Gas test function	✓	✓
Anti-stick (MMA)	✓	✓
HotStart (MMA)	✓	✓
Electrode pulse welding	✓	✓
Arc-force dynamic (MMA)	✓	✓

Touchdown ignition

Specially for sensitive application areas; touchdown ignition prevents the electromagnetic interference that can occur during HF ignition.

Touch HF

The contactless and gentle high-frequency ignition is the easiest option for igniting the arc.

Trigger Mode off

At the end of the welding process, the automatic shutdown of the welding current follows a specific change of the arc length.

Lowering current I2 / High frequency ignition

Reducing or increasing the main current as desired during the welding process is made possible by the lowering current, which is only used for TIG 4-step welding.

TD pulse / TAC display

Can be used to add two additional welding parameters – "Pulse" and "TAC" – to the function curve on the control panel

Spot and stitch welding

Apply welding spots at even intervals: with the freely adjustable interval pause time, these can also be continued as stitch welding.

Gas pre-flow time / Gas post-flow time

Improves the gas shield at the weld end and for the tungsten electrode: TransTig automatically calculates the duration of the optimal gas post-flow time according to the set welding current.

Options and accessories

The perfect accessories
for the TransTig series



Junior gas pressure regulator

Gas pressure regulator with stable housing surface and corrosion-resistant blow-off valve; robust manometer display 0-24 l/min, input pressure of up to 200 bar, outflow 1/4"



Tungsten electrodes

The ceriated WC20 electrode is the universal electrode for almost all applications. Excellent ignition properties – including reignition when the electrode is warm – with a long service life and high current carrying capacity



Wearing-part box

Ideal for the storage and transport of small parts such as the torch's wearing parts, device fuses, small tools, etc.



TIG Grinder Mobile

Practical transport case: space for all the essential parts for use on construction sites. Electrode welding possible without additional holder



HighEnd TIG gloves

Made from soft sheepskin nappa leather, 0.8 mm thick, pulse protection and Kevlar seam, long split leather cuff, 35 cm in length. Category II as per EN 388, EN 12477



Maintenance

Fronius offers custom services for every device.

Benefits of maintenance

- High availability of welding systems
- Perfectly adapted to individual circumstances and needs
- Customized maintenance packages can be compiled
- Adherence to legal regulations/standards