

/ Perfect Welding / Solar Energy / Perfect Charging

Fronius



\sim / \square / AC / DC **MAGICWAVE**
 \square / DC **TRANSTIG**

2500 / 3000 / 4000 / 5000

THE ULTIMATE IN TIG WELDING

EIGHT MM CrNiCONTAINER. ONE WELD SEAM. TWO SYNCHRONOUS ARCS.

TIG welding systems provide for high-quality weld seams, whether in pipeline and container construction, or in the automotive and aerospace industries. TIG is the standard when welding out-of-position and even for producing optimal root passes. Most materials, from high-alloy steels to copper can be joined using the TransTig. The MagicWave adds to the product portfolio: the extra alternating current mode means even aluminum applications are made easy.

What's your
Welding Challenge?

Let's get connected.



THE BENEFITS

SHORTER TACKING TIMES



/ Up to 50% time saving

The tacking function enables components to be tacked faster using the pulsating arc.

QUIETER WORKING



/ Sound levels reduced by nearly 10 dbA using Active Wave Technology.



MORE RELIABLE GAS SHIELD



/ Automatic gas post-flow

The gas post-flow time is automatically regulated based on the welding current and electrode diameter: oxidation protection for electrode and weld seam.

EXCELLENT IGNITION PROPERTIES



/ Reliability and stability of ignition

by preheating electrodes. – No burn through when welding begins due to brief ignition on the positive pole (RPI) - including with thin materials.



AUTOMATIC CAP-SHAPING



/ The cap is formed automatically in just two seconds based on the set electrode diameter.



Example electrode Ø 1.6 mm:

Time required without automatic cap-shaping: 91 sec

With MagicWave: 2 sec

Time saving: 1.5 min

8 x per day: 12 min

5 working days: 1 hour

40 hours/year

Saving: 1 working week
per year for each welder

Synchronous TIG welding

In the case of simultaneous TIG welding using alternating current, "Sync Mode" makes it possible to automatically synchronize the two arcs – making it easier for two welders to work together effectively. As a general rule:

// Tandem TIG welding, or simultaneous two-sided TIG welding as it's best described, can make a tangible difference to cost effectiveness and profitability, especially in container and pipeline construction. //

Gerhard Haminger,
Kremsmüller Industrieanlagenbau KG





DIGITAL

/ Fully digitally controlled and bus-controlled welding system



MULTIVOLTAGE

/ Available in all power categories



DC & AC/DC VARIANTS

/ DC: TransTig
/ AC/DC: MagicWave

FUNCTIONS

The TransTig/MagicWave series systems offer numerous functions that make the welder's job easier and open up new application options. There is also the option to fit the welding systems with cold-wire control or a robot interface.



OPERATING CONCEPTS FOR ALL REQUIREMENTS

The series comes in Standard, Job and Comfort versions. All the functions needed for manual welding are provided in the Standard version, whereas the Job version also offers automated welding with cold-wire control. The Comfort version provides even more user-friendly features.

STANDARD control panel



COMFORT control panel



STANDARD

Set all relevant parameters for TIG DC and TIG AC* such as

- / Welding current
- / Electrode diameter
- / UpSlope, DownSlope

JOB

ADDITIONAL FUNCTIONS:

- / Keyboard lock
- / JobMaster TIG (free parameter selection)
- / Job Mode (storage capacity for 100 jobs)
- / Pulse and spot function
- / Cold-wire control
- / Special 4-step mode

COMFORT

ADDITIONAL FUNCTIONS:

- / Plain text display
- / 12 languages
- / Individual job designation

*) only with the MagicWave



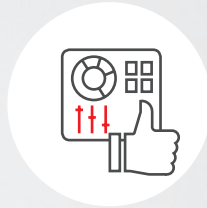
NETWORKING AND DATA DOCUMENTATION WITH WeldCube Premium

The centralized documentation solution enables intelligent management, statistical, and analysis functions, as well as graphical visualization of results.



BROWSER-BASED

No software needs to be installed locally on the user's PC. An up-to-date web browser is sufficient.



EASY TO USE

Builds on existing technologies – can be used without specialist user know-how.



ALL DEVICES

WeldCube Premium can be used on all devices, no matter if it's a PC, laptop or mobile device!





WELDING TORCHES

COMPACT & EXACT

The ergonomically optimized handle allows for precise welding and fatigue-free working. Ideal for steel, stainless steel and aluminum applications in the construction of apparatus, containers and pipelines.

In addition to the standard version, the welding torches are also available in **UP/DOWN** and **JOBMASTER VARIANTS**.



/ JobMaster

THE INTELLIGENT WELDING TORCH

TIG JOBMASTER

GAS AND WATER-COOLED

- / Integrated remote control
- / Digital parameter display
- / Job retrieval
- / Remote parameter can be freely selected
- / "Activated cap-shaping" display

MULTILOCK WELDING TORCHES

FOR FAST TORCH BODY CHANGES

ONE HOSEPACK FOR DIFFERENT TORCH BODIES

- / Different torch body lengths and angles
- / Different outputs
- / Flexible torch body



FLEXIBLE HANDLING
Torch body can
be rotated in all
directions

For difficult-to-reach areas.



**PATENTED
INTERFACE**

ACCESSORIES



/ TROLLEYS FOR WORKSHOPS AND MOBILE USE

Sturdy trolley for transporting welding systems, gas cylinders, equipment, and other accessories.



/ COLD WIRE

Welding torch and wirefeeders for automated cold-wire feed.



/ REMOTE CONTROL

A wide choice of foot and hand-operated remote controls for different requirements.



/ TIG GRINDER MOBILE

The portable and user-friendly electrode grinding machine.



/ WATER COOLING

All power categories have the option to be fitted with water cooling.

/ WS2



Tungsten with max. 2.0% rare-earth oxide

/ WP



Pure tungsten

/ WC20



Tungsten with max. 2.0% cerium oxide

/ GP/WL15



Tungsten with max. 1.5% lanthanum oxide



POWER CATEGORIES & VERSIONS



**THREE OPERATING
CONCEPTS**
in all power categories

MV

MULTIVOLTAGE VERSIONS
in all power categories
/ 3x400V
/ 3x200-240V; 3x400-460V; 1x200-240V

TransTig



	2500	3000	4000	5000
TIG THREE-PHASE WELDING CURRENT RANGE [A]	3-250	3-300	3-400	3-500
WELDING CURRENT AT 10 MIN/40°C	50% D.C. 250A	45% D.C. 300A	45% D.C. 400A	40% D.C. 500A
DIMENSIONS L / W / H [mm]	560 / 250 / 435	560 / 250 / 435	625 / 290 / 475	625 / 290 / 475
WEIGHT [kg]	24.2	24.2	39.8	39.8

MagicWave



	2500	3000	4000	5000
TIG THREE-PHASE WELDING CURRENT RANGE [A]	3-250	3-300	3-400	3-500
WELDING CURRENT AT 10 MIN/40°C	40% D.C. 250A	35% D.C. 300A	45% D.C. 400A	40% D.C. 500A
DIMENSIONS L / W / H [mm]	560 / 250 / 435	560 / 250 / 435	625 / 290 / 705	625 / 290 / 705
WEIGHT [kg]	26.6	28.1	58.2	58.2



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THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 4,760 employees worldwide and 1,253 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

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