

/ Perfect Welding / Solar Energy / Perfect Charging



# TRANSSTEEL

/ The rugged partner for structural-steel fabricators

# THE STEEL PROFESSIONAL FROM FRONIUS

The welding of steel in mechanical and steel engineering applications, pipeline, crane, rolling stock and container construction, shipyards or other steel-processing industries requires a reliable and robust welding system. With the TransSteel series of equipment specially designed for steel applications, Fronius has developed the perfect solution.

The TransSteel is characterised by its functional design, user friendliness, robustness and long-term reliability. Digitally controlled and packed with expert knowledge from Fronius, it guarantees the perfect weld properties for steel applications, a highly stable arc and up to 100% reproducible welding results.

## STEEL TRANSFER TECHNOLOGY – OUR EXPERTISE IN YOUR HANDS

Fronius has specially developed welding characteristics for the challenges of steel construction, which guarantee the perfect interplay of ignition, arc and penetration. With Steel Transfer Technology, our expertise is available in every device.

Depending on the requirements at hand, one of three different characteristics can be selected:

- / STEEL
- / STEEL ROOT
- / STEEL DYNAMIC

**TRANSSTEEL  
NEW**

**SPOT AND  
INTERVAL  
WELDING**

**NEW  
CHARACTERISTIC  
DATABASE**

**KEYLOCK SWITCH  
ON THE  
CONTROL PANEL**







# THE PERFECT CONFIGURATION FOR EVERY APPLICATION

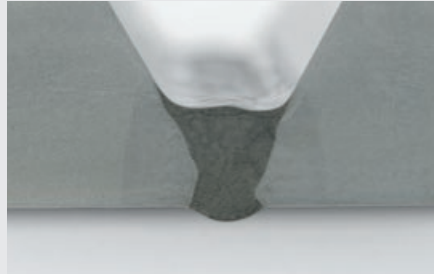
## STEEL

- / Universal characteristic for quick and easy welding settings
- / Meets most steel welding requirements



## STEEL ROOT

- / Characteristic for a soft and stable dip transfer arc that creates a viscous, readily modulatable weld pool
- / For perfect, simple root passes without pool support
- / Excellent gap-bridging ability



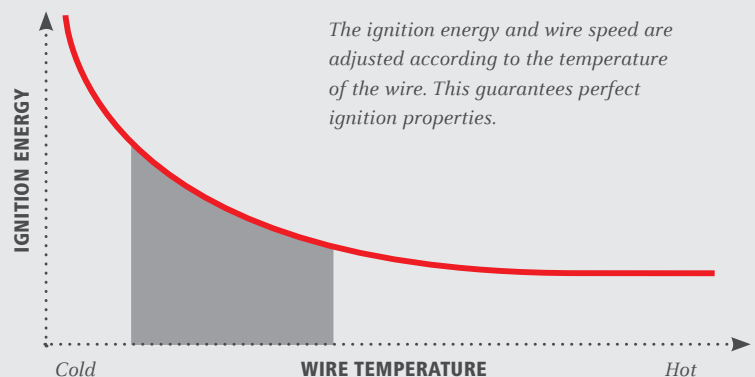
## STEEL DYNAMIC

- / Characteristic for a concentrated hard and dynamic spray arc
- / Deep, narrow penetration; increased welding speed
- / Optimal for components requiring an especially strong joint



## EXCELLENT IGNITION BEHAVIOUR

A key characteristic feature is the special ignition control for a quick and clean start as well as a precise end of welding. Ignition energy and wire speed adapt to the temperature of the wire, which improves the ignition properties for the next welding process.



#### HIGH-TECH ON DEMAND

## RENTAL

Do you need extra resources for steel welding, but purchasing an extra device makes no commercial sense? No problem: our steel professional TransSteel is also available to rent – with terms of just a few days up to several years.

#### IMMEDIATELY READY FOR USE

## PAT

(PRE-ASSEMBLED AND TESTED)

TransSteel can be ordered with the pre-assembled or pre-assembled and tested option. This means you will receive a device that is ready for use immediately, with all your options already installed and tested.

#### FOR THE BEST PRODUCT QUALITY

## CALIBRATION

To ensure your power source continues to deliver high-quality results over the long term, regular calibration is necessary. We recommend that calibration in line with the latest regulations is performed on an annual basis. The calibration certificate and label is delivered free with every new TransSteel.

## PERFECTLY COORDINATED SERVICES

#### OPTIMAL PROTECTION FOR INDIVIDUAL NEEDS

## EXTENDED WARRANTY

We offer several warranty periods depending on your individual needs, both for single-shift and multi-shift operation. New for the TransSteel series is the extended warranty period of *three years*, as long as the product is registered online.





# THE BEST WELDING RESULTS FROM A FIRST-CLASS DEVICE

## EASY TO USE

### One central connection for all media: **FRONIUS SYSTEM CONNECTOR (FSC)**

Using several control plugs is no longer necessary. The welding torch can be replaced quickly and safely using a lever, while the simple and safe locking of the hosepack without tools ensures a defined current transfer.

### **EASYJOB**

EasyJob allows you to save the power, dynamic and correction values at the push of a button. Up to five EasyJobs can be saved in total.

### **FASTSNAP**

FastSnap simplifies the safe replacement and locking of gas nozzles by simply turning and pulling, without the need for any tools.

### **COLOUR-CODED FEED ROLLERS**

Colour coding makes different wire thicknesses visible at a glance.

## ROBUST AND RELIABLE

### **FUNCTIONAL INDUSTRIAL DESIGN**

- / Protected control panel
- / Protected connections
- / Ergonomic and robust
- / Dust filter as standard
- / Excellent component quality

## PERFECTLY COORDINATED COMPONENTS

### **WATER COOLING**

Optimal cooling thanks to a powerful pump and overtemperature protection (sensors for coolant, flow and temperature optional).

### **LATEST WELDING TORCHES**

The latest generation of TPS/i torches can now be used with the TransSteel. Thanks to perfected cooling, ease of use, ultimate precision and maximum service lives, these torches deliver the best results in gas- or water-cooled applications.

### **VR 5000 REMOTE WIREFEEDER**

The base variant of the compact wirefeeder with the FSC (Fronius System Connector) offers mobility and can be flexibly adapted as required.

- / Comfort Wire – automatic wire threading saves time
- / Viewing window – remaining wire visible at a glance
- / Lightweight – only 12.5 kg with maximum robustness
- / Precise wirefeeding and stable welding process with the 4-roller motor plate
- / Synergic control panel (optional)

### **VR 5000 CASE**

The VR 5000 Case is especially suited to shipbuilding applications. The wirefeeder is completely insulated against humidity, dust and water spray. Thanks to its size, it facilitates work wherever space is in short supply.

- / Synergic version available
- / Gas-cooled FSC base variant (F++, EURO & water-cooling connections optional)
- / VR 5000 Case for D300 spools available in dimensions 613 x 244 x 437 mm



**TRANSSTEEL 3500 SYN / TRANSSTEEL 5000 SYN**

**TRANSSTEEL 2500C / TRANSSTEEL 3500C**

# YOUR BENEFITS

**ROBUST DEVICE  
CONCEPT  
GUARANTEES A  
LONG SERVICE LIFE**

**100%  
SYSTEM PERFORMANCE**

**INTUITIVE OPERATION  
AND INNOVATIVE  
WIREFEEDING**

**PERFECT  
CHARACTERISTICS  
FOR EVERY STEEL  
APPLICATION**

**DEVELOPED AND  
MANUFACTURED IN  
AUSTRIA FOR THE  
HIGHEST QUALITY**

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## **WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.**

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,700 employees worldwide, we shift the limits of what's possible - our record of over 800 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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