

/ Perfect Welding / Solar Energy / Perfect Charging



# TRANSSTEEL 3500 / 5000 SYNERGIC

The steel professionals for workshop and assembly

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DIGITAL  
REVOLUTION



STEEL TRANSFER  
TECHNOLOGY

# WELDING TO THE POWER LIMIT. PRECISELY ALIGNED WITH THE REQUIREMENTS OF THE MATERIAL.

There are over 2000 different steel alloys. Like all metallic materials, steel also has metallurgic qualities that represent a challenge when welding. In steel construction, it is particularly important that the heat input is matched to the thickness of the material, in order to avoid hardness peaks and cracking. The TransSteel Synergic series offers the welder a multitude of options that are perfectly suited to these properties.

What's your  
welding challenge?

Let's get connected.



# THE ADVANTAGES OF THE TRANSSTEEL SYNERGIC SERIES



## 40% DUTY CYCLE AT MAXIMUM POWER

- / Easy operation – ready to weld in three easy steps
- / Optimized wirefeeding thanks to 4-roller drive
- / Powerful cooling unit (optional), up to 1500 W with overtemperature protection
- / High-quality Fronius System Connector torch range – suitable for high performance and long service life – additional use of MultiLock & Up/Down torch with LED possible
- / Spot and interval welding as standard
- / Modular system design possible
- / Comfort Wire – for independent wire threading without opening the motor plate

## 100% REPRODUCIBLE RESULTS IN STEEL CONSTRUCTION

- / Complies with EN 1090
- / Keylock switch for locking control panel
- / Calibration certificate and/or label as standard (complies with EN 50504)

## MORE THAN 100 CHARACTERISTICS FOR PRECISE WELDING RESULTS

- / Steel characteristics database, including CrNi, AlMg, AlSi, CuSi
- / Universal characteristic for standard applications
- / SteelRoot characteristic for root pass
- / SteelDynamic characteristic for increasing the welding speed and penetration
- / 5 Easy Jobs – to conveniently save welding parameters



## TECHNICAL DATA

	TRANSSTEEL 3500 SYN	TRANSSTEEL 5000 SYN
Mains voltage	380 V / 400 V / 460 V (-10/+15 %)	380 V / 400 V / 460 V (-10/+15 %)
Welding current range	10 - 350 A	10 - 500 A
Welding current range at 10 min / 25°C (77°F)	350 A 60 % D.C.	500 A 55 % D.C.
10 min / 25°C (77°F)	300 A 100 % D.C.	400 A 100 % D.C.
10 min / 40°C (104°F)	350 A 40 % D.C.	500 A 40 % D.C.
10 min / 40°C (104°F)	250 A 100 % D.C.	360 A 100 % D.C.
Open circuit voltage	60 V	65 V
Working voltage	14.5 - 31.5 V	14.5 - 39 V
Degree of protection	IP 23	IP 23
Type of cooling	AF/A	AF/A
Dimensions l/w/h	747 x 300 x 497 mm	747 x 300 x 497 mm
Weight	29 kg	32.3 kg
Wire speed	1 - 25 m/min	1 - 25 m/min



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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](http://www.fronius.com)

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