

/ Perfect Welding / Solar Energy / Perfect Charging

**Fronius**



**3 YEARS  
WARRANTY**

# **TRANSSTEEL 2700/3500 COMPACT 3500/5000 SYNERGIC**

The steel professionals for workshop and installation



# 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 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 SERIES



## WELDING TO THE POWER LIMIT

- / Three power categories: 270 ampere, 350 ampere and 500 ampere
- / Optimized wirefeeding thanks to 4-roller drive
- / Powerful cooling unit with overtemperature protection (optional)
- / Tailored torch range suitable for high power and long duty cycles
- / Spot and interval welding as standard
- / Option of single-phase operation for the TransSteel 2700C (MV variant)

## NEW CHARACTERISTIC DATA SHEET FOR MORE PRECISE WELDING RESULTS

- / Comprehensive characteristics data sheet incl. AlMg, AlSi and CuSi for precise welding results
- / SteelRoot characteristic for root pass
- / SteelDynamic characteristic for increasing the welding speed and penetration
- / Universal characteristic for standard applications



## 100% REPRODUCIBLE RESULTS IN STEEL CONSTRUCTION

- / Complies with EN 1090
- / Keylock switch for locking control panel for TransSteel 3500C/3500/5000
- / Calibration certificate and/or label as standard (complies with EN 50504)





## TECHNICAL DATA

|   | TRANSSTEEL 2700C/2700C MV                      | TRANSSTEEL 3500C                | TRANSSTEEL 3500    | TRANSSTEEL 5000 |
|---|--|---------------------------------|--------------------|-----------------|
| Grid voltage                                    | 380–460 V (-10/+15%)                           | 380 V / 400 V / 460 V (+/- 10%) |                    |                 |
| Welding current range                           | 10–270 A                                       | 10–350 A                        |                    | 10–500 A        |
| Welding current range for<br>10 min/25°C (77°F) |  |                                 | 350 A 60% DC       | 500 A 55% DC    |
| 10 min/25°C (77°F)                              |  |                                 | 300 A 100% DC      | 400 A 100% DC   |
| 10 min/40°C (104°F)                             | 270 A 40% DC                                   | 350 A 40% DC                    | 350 A 40% DC       | 500 A 40% DC    |
| 10 min/40°C (104°F)                             | 210 A 60% DC                                   | 300 A 60% DC                    | 250 A 100% DC      | 360 A 100% DC   |
| 10 min/40°C (104°F)                             | 170 A 100% DC                                  | 250 A 100% DC                   |                    |                 |
| Open circuit voltage                            | 41 V   | 47–59 V                         | 60 V               | 65 V            |
| Working voltage                                 | 14.5–34.5 V                                    | 14.5–38.6 V                     | 15.5–31.5 V        | 14.5–39 V       |
| Protection class                                | IP 23  |                                 |                    |                 |
| Type of cooling                                 | AF/A   |                                 |                    |                 |
| Dimensions l/w/h                                | 687 x 276 x 445 mm                             |                                 | 747 x 300 x 497 mm |                 |
| Weight  | 30 kg  | 36 kg                           | 26.5 kg            | 30.15 kg        |
| Wire speed                                      | 1–25 m/min                                     |                                 |                    |                 |
| Warranty  | 3 years full warranty when you register online |                                 |                    |                 |

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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 4,550 employees worldwide and 1,241 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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