PROVES ITS CHOPS IN THE SHOP.



DESIGNED FOR THE WORKSHOP
Industrial standard in a compact design

HIGH-PERFORMANCE
Pulse and fast pulse up to 2 kHz – with integrated cold wire feeder, if desired

ECONOMIC MIRACLE
Energy-efficient with outstanding TIG weld characteristics

The T-Pro / TF-Pro series at a glance

- **Unrivalled TIG welding characteristics thanks to inverter technology.** Distinguished by their high efficiency and superb welding characteristics, inverters utilise digital software control technology that has a significant influence on the outcome of the welding process.
- **Pulse and fast pulse up to 2 kHz.** The standard pulse function with up to 2 kHz that is built into every machine offers you additional benefits when welding thin plates.
- **Also available with integrated water cooling.** The water-cooled variants of the Lorch T-Pro series come with a water cooling system that is housed in a compact mobile case, making it perfectly suited for use at workshops on site.
- **Changeover DC to AC.** Available as DC and AC/DC versions in all power variants, Lorch's T series provides you with maximum flexibility even during aluminium welding.
- **TF-Pro.** The wire feeder integrated into the TF-Pro 300 reliably feeds the filler metal to the weld pool. A 4-roll feed motor with a specially tuned gearbox combination is in charge of guiding the wire along. The cold wire feed is controlled using the removable operating panel.



3 YEARS INDUSTRIAL WARRANTY LORCH

- **Remote control.** Welders often experience that the conditions on site do not allow them to place their welding machine right beside them. When faced with this type of situation, they find the use of a remote control helpful as it allows them to intervene and adjust the welding current if necessary. This is why Lorch offers a large variety of different hand and foot remote controls that are ready for use right away thanks to their plug & play support.
- **Low energy consumption.** The included on-demand function automatically turns the components of your Lorch T-Pro 250 on and off as needed. Thermal control sensors monitor the temperature of the machine and regulate the speed of the fan accordingly. This smart technology reduces fan noise and dust levels in the machine compartment and helps conserve energy.
- **Interval-spot function.** Lorch's interval-spot function reduces distortion during thin sheet metal welding.
- **Non-contacting HF ignition.** The TIG arc is ignited without direct contact by high-voltage pulses. Ignition is triggered with the press of a button to ensure that the tungsten electrode does not come into contact with the workpiece. Putting an end to welds with tungsten inclusions, this technology reduces the strain on the electrode. When working in HF-sensitive environments or on tools, the operator has the additional option of switching to ContacTIG (contact ignition).
- **Intelligent Torch Control.** Intelligent Torch Control enables each machine to automatically detect whether the welder uses a standard torch or one of the latest, fully digital Lorch i-Torches including Powermaster remote control.

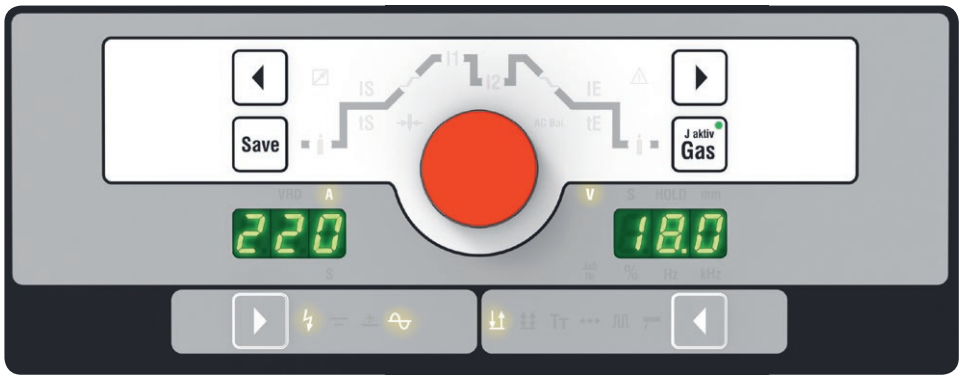
Versions



		T-Pro 250	T-Pro 300	TF-Pro 300
Welding range	A	5 – 250	5 – 300	5 – 300
Mains connection 3~400 V		●	●	●
Operating concept				
ControlPro		●	●	●
Variants				
DC system		○	○	○
AC/DC system		○	○	○
Cooling variants				
Gas		○	○	○
Water		○	○	○
Equipment				
integrated 4-roll wire feeder for TIG cold wire feed		–	–	●
removable operating panel for setting the wire feed		–	–	●

○ Configuration options ● Standard equipment

Operating concept



ControlPro

- "3 steps to weld" operating concept
- user-oriented guidance using illuminated symbols and detailed welding sequence control
- Infinitely adjustable welding current setting
- Switch 2-stroke/4-stroke
- Remote control connection
- Tiptronic job memory for 100 welding tasks
- TF-Pro also comes with a removable manual operating panel that controls the TIG cold wire feed

Highlights

Maximum TIG productivity thanks to integrated cold wire feed

The fully integrated wire feeder of the TF-Pro with its separate, removable operating panel and special cold wire controller reliably feeds the filler metal to the weld pool. The high-quality 4-roll feed motor with its specially tuned gearbox combination is in charge of feeding the wire in a reliable manner. The wire outlet, which is pointing down diagonally, combined with the Fast Connect System (FCS) of Lorch's TIG cold wire torch ensures that the wires are threaded in easily and unwind in a reliable manner even when made of aluminium.



Quality wire feeder with 4 rollers



Resistance-optimised wire guide thanks to angled torch connection



Removable control panel for controlling the cold wire feed

Water cooling including fill level indicator



Well thought out in every detail. The level gauge built into systems that are cooled by water recirculation makes it a breeze to check the fill level of the coolant. Coolant can be refilled through the filler plug installed at the rear.

TOP performance with SmartBase

SmartBase, the Lorch expert database, perfectly controls the arc. The user-oriented guidance uses an array of illuminated symbols to allow for detailed welding sequence control. The Tiptronic facility allows you to store an additional 100 welding jobs.

Technical data

			T-Pro 250	T-Pro 300	TF-Pro 300
Welding current – TIG		A	5 – 250	5 – 300	5 – 300
Welding current – electrode		A	10 – 200	10 – 200	10 – 200
Current at 100 % duty cycle	(DC | AC/DC)	A	180 | 200	230 | 200	230 | 200
Current at 60 % duty cycle	(DC | AC/DC)	A	250 | 230	270 | 230	270 | 230
Duty cycle I max.	(DC | AC/DC)	%	60 | 45	45 | 30	45 | 30
Mains voltage		V	3~400	3~400	3~400
Permitted mains tolerance		%	± 15	± 15	± 15
Mains fuse, delayed action		A	16	16	16
Dimensions (L × W × H)		mm	880 × 400 × 755	880 × 400 × 755	880 × 400 × 755
Weight, gas-cooled	(DC | AC/DC)	kg	43.4 | 45.5	43.6 | 45.5	52 | 53.5
Weight of the water cooling unit		kg	15.2	15.2	15.2