



**CAN HANDLE ALUMINIUM
AND STEEL EVEN IN THE
MOBILE VERSION.**

The HandyTIG AC/DC series.

THE COMPACT ALL-ROUNDER FOR ALUMINIUM AND STAINLESS STEEL.

If you can do any job professionally anywhere, you may certainly call yourself a jack of all trades. The HandyTIG AC/DC is just as much at home in a workshop as it is at the construction site. The welder is the only one who's even more comfortable since the professional Lorch welding system makes perfect weld seams extremely easy for them.

Aluminium TIG welding requires alternating current (AC). Since aluminium is a very good heat conductor, a higher current is required for every additional millimetre of material thickness. This is why the HandyTIG 180 AC/DC is perfect for aluminium up to 5 mm thick and the HandyTIG 200 AC/DC for aluminium up to 8 mm thick. Both use the 230 V mains,

leaving no obstacles between you and your success. In apparatus construction or sheet metal processing with a fixed workplace or when out for repairs, maintenance, and final assembly: The HandyTIG AC/DC delivers the best performance – anytime, anywhere. Even a large industrial TIG welding machine couldn't do it any better. Surely you wouldn't want to lug that to the next construction site with you anyway.



HandyTIG 180 AC/DC ControlPro

- Welding range 5 - 180 A
- Steel/stainless steel: up to 8 mm
- Aluminium: up to 5 mm
- Schuko plug (230 V)
- HF ignition
- Digital amp display
- Intuitive operation with automatic setting
- Pulse function
- Remote control at the torch
- Job memory for 2 TIG and electrode welding tasks each



HandyTIG 200 AC/DC ControlPro

- Welding range 3 - 200 A
- Steel/stainless steel: up to 10 mm
- Aluminium: up to 8 mm
- HF ignition
- Digital amp display
- Intuitive operation with automatic setting
- Pulse function
- Remote control at the torch
- Job memory for 2 TIG and electrode welding tasks each

ALUMINIUM HAS BECOME MUCH EASIER.



Perfect operation. Perfect result.

As a result, this is just perfect for anyone who wants to make welding easy for them, no matter if they're welding aluminium sheet in the workshop or on site: The HandyTIG AC/DC operating concept is sophisticated to the last detail: First select the current type: DC for steel, AC for aluminium. Everything else is just as it always is at Lorch: 3 steps to weld. The integrated automatic setting offers best support. Some people think aluminium welding is too complicated to promise success. They reject orders due to this. Fortunately, you now know about the HandyTIG AC/DC.

Smart TIG welding

The HandyTIG AC/DC series offers a very stable arc. AC optimises the current form for greatest stability, outstanding cleaning effect of the aluminium oxide and – very importantly – reduced noise. The fully digital process control adjusts the TIG arc in an exceptionally stable and precise manner. Even fluctuating mains voltages cannot change this. The comprehensive functional equipment offers convincing results.

- **Precise current settings:** Digital display for adjustment in 1 amp steps.
- **Contact-free HF ignition:** For reliable arc starting, even when working with aluminium. HF free ContacTIG ignition can be selected alternatively.
- **2-/4-time logic:** For fast tacking and comfortable welding.
- **Adaptive end crater function,** can be switched off for tack welds.
- **Secondary current function** can be called up during welding at the torch, e.g. to prevent excessive burn through of the weld seam.
- **Pulse function:** Adjustable up to 2 KHz, providing better weld pool control, perfect seam appearance, and easier processing of thin material.
- **Up/down or Powermaster function** for remote control from the torch. Either adjust the welding current via the up/down or remote control with digital display in the torch. Significantly increases efficiency, saving time and money.
- **Job function** stores settings for 2 TIG and 2 electrode welds to be retrieved easily at need. Perfect for repetitive work, such as tacking.
- **Remote control connection,** e.g. for comfortable and efficient welding with the foot remote control in the workshop.
- **Automatic gas management** controls the gas pre- and post gas to protect the tungsten electrode and the weld seam from oxidation.

MMA welding, too

The HandyTIG AC/DC is highly suitable for MMA welding as well.

- **Hot start** for perfect ignition.
- **Arc-force control** for improved arc stability.
- **Anti-stick system** to prevent sticking and damage of the electrode.

3 STEPS TO WELD

Ingeniously simple. Operation – Made by Lorch!

1. Switching on
2. Select welding method/trigger function
3. Setting the welding current

The automatic setting system adaptively sets the appropriate parameters, e.g. end crater function, in the background. This function can be customised in the submenu if needed.



Practice shows where true value lies.

- **Light weight and crash protection.** At barely more than 13 kg, the HandyTIG AC/DC is highly portable. The special crash protection keeps the housing safe even at falls from a height of up to 60 cm. The standard protective cover of the control panel and the integrated dust filter warrant robustness and durability even in rough installation conditions.
- The HandyTIG AC/DC works reliably **anywhere on the 230 V mains** with 16 A fuse protection. It can be used with extension cables up to 100 m and powered by a generator.
- **Long live the HandyTIG.** The special coating of the electronics, its integrated air duct and oversized power components optimise protection and service lives.
- **Safe and standard-compliant.** True IP 23S, the S mark, and true, tested CE conformity with European standards as well as ongoing quality assurance made in Germany maximise safety in the workshop and at the construction site. Do not accept any compromises. The CE mark does not equal "China export" at Lorch.
- **Energy efficient** due to thermocontrol and fan standby. The standby system reduces fan noise, pollution, and energy consumption.
- **The all-rounder for construction site and workshop.** You can carry the HandyTIG AC/DC by its strap, transport it in its wheeled protective case with its accessories, or bring it to the workshop or construction site in a maxi trolley.

