



**YOUR WORLD CHAMPION
IN ALL DISCIPLINES.**

The MicorTIG series.

STATE-OF-THE-ART HIGH-TECH ELECTRONICS – UNCOMPROMISINGLY COMPRESSED.

This is the best portable TIG DC system we have ever built. It is the only one that can be battery-powered. We have set a new standard. Everyone has to live up to this one in future!

The MicorTIG combines our full TIG experience and the boldest wishes of TIG welders with cutting-edge technology and the most compact design. We aim to complete the most challenging TIG DC welds at 200 A with all functions. Provide perfect mobility and ease of use. For the professional TIG welder, as well as for the occasional welder. Our development department has risen to the challenge and outdone itself with great effort. The result is the ultimate TIG system for use at the construction site or in the workshop: for steel and stainless steel. for railings, handrails, containers, flanges, or covers. for production or repairs, and most importantly – no matter if a power outlet is available or not. The MicorTIG clearly improves the lives and work results of the world's TIG welders.



MicorTIG 200 DC BasicPlus

- Welding range 5 - 200 A
- Steel/stainless steel: up to 10 mm
- HF ignition
- Schuko plug (230 V)
- Precise – with ampere accurate digital display
- Intuitive operation
- Pulse function
- Remote control from the torch
- Accu-ready – ready for use with the Lorch battery pack
- 2-/4-trigger



MicorTIG 200 DC ControlPro

- Welding range 5 - 200 A
- Steel/stainless steel: up to 10 mm
- HF ignition
- Schuko plug (230 V)
- Precise – with ampere accurate digital amp display
- Pulse function
- Remote control from the torch
- Accu-ready – ready for use with the Lorch battery pack
- + Everything in view – graphical operator guidance
- + Maximum adjustment thanks to detailed welding sequence control
- + Job memory for 10 welding tasks

HIGH-TECH IN THE BACKGROUND. PRACTICAL BENEFITS AT THE FRONT.



Modern TIG welding:

Take your MicorTIG with you anywhere. At only 6.8 kg, it fits into the protective case with all of its accessories. Patented MicorBoost technology takes 200 A from the regular outlet and will inspire every welder with its fantastic welding properties. In spite of the extensive TIG functions, it is even easier and more intuitive to operate. Unique and only available from Lorch in this manner: TIG welding from the battery. Enter the smart world of TIG welding.

TIG welding for added enthusiasm

MicorBoost technology controls the TIG arc in an exceptionally stable, smooth, and precise manner. Even fluctuating mains voltages cannot change this. The fully digital process control and unique functional equipment enable convincing results.

- **Precise current settings:** Digital display for adjustment in 1 amp.
- **Contact-free HF ignition:** Optimised in countless hours of fine-tuning: Our most reliable HF arc ignition ever!
- **ContactTIG function:** Can be used for ignition in HF sensitive environment.
- **Comprehensive TIG logic:** With 2-/4-trigger for fast tacking and comfortable seam welding.
- **Adaptive end crater filling,** can be switched off.
- **Secondary current function** can be called up during welding from the torch, e.g. to prevent excessive burn through of the weld seam.
- **Pulsing and fast pulsing:** Adjustable up to 5 KHz for outstanding weld pool control, perfect results even with difficult tasks.
- **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 10 welding tasks to be called up easily at need. Perfect for repetitive tasks, such as tacking (ControlPro).
- **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

- **Electrode preselection.** For standard or CEL. MicorTIG adjusts optimal welding properties.
- **All electrodes, including CEL.** Optimal for basic, rutile, and special electrodes. Including safe verticle down welding with CEL electrodes.
- **Hot start:** Automatic adaptive hot start for perfect ignition.
- **Arc-force control.** For improved arc stability and optimised material transition.
- **Anti-stick system.** Prevents sticking and damage of the electrode.
- **Electrode pulse.** Special function for reduced heat input. Particularly appropriate for thin sheets and for bridging larger gaps.

Light weight and crash protection.

The MicorTIG is the champion among mobile TIG welding machines and will end up travelling a lot. At a weight of less than 7 kg, it is kept safe by special crash protection that can withstand even falls from heights of 80 cm.



Tolerating difficult network conditions.

Long extension cables, low and fluctuating mains voltage, generator operation. This is what reality often looks like. This is what the MicorTIG can do. It keeps on welding without giving up, even if the voltage drops. The system only turns off when the maximum negative tolerance of -40 % is reached. Of course, it is also protected against over-voltage.



Take your pick: BasicPlus or ControlPro

Both allow extremely simple and intuitive operation. Both offer:

3 STEPS TO WELD

Ingeniously simple. Operation – Made by Lorch!

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

For great results, immediately! The automatic adjustment function optimises parameters adaptively in the background.

In the BasicPlus, this function can be customised in the submenu. The ControlPro presents the detailed welding process via the graphical menu. The ControlPro will give you the best.

Designed for the application

The MicorTIG meets all expectations for use at the construction site. It has been designed specifically for this task. Development was elaborate, but it will pay off in your daily work. The easiest way to save money!

- **PFC technology.** For 200 A TIG welding on 230 mains without overloading the 16 A supply!
- **Portability at the construction site.** Compact enough to fit into the specially designed protective case along with TIG equipment.
- **Accu-ready & all-in technology.** Unique (patent no. EP 191 3680 B1) and only available from Lorch globally: Optional operation on mains, Lorch battery, or generator. An entirely new concept in mobile TIG welding.
- **Large sockets.** Every welder knows the issue of welding cables damaged at the connections. Defective insulation, kinked cables, or scorched contact surfaces This not only may be dangerous, but also deteriorates welding quality. It's not very professional. The large 25 mm² MicorTIG sockets make a difference.
- **Detachable power cord.** The power cord can be removed simply and quickly.
- **Long live the MicorTIG.** 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.