



ACCEPTING NO COMPROMISES IN EXTREME SITUATIONS.

The X-Series.

THE BENCHMARK IN MMA WELDING.

Demanding tasks start where even the 5mm electrode is too small in MMA welding. At times, such applications can be downright extreme. There may be thick parent materials, typically complex welding positions, and rough environmental situations. Lorch has developed the X exactly for this application, with MicorBoost technology for excellent ignition and welding characteristics using basic, rutile, or CEL electrodes. All of this is enclosed in an extremely rugged yet particularly compact housing. Including the special vertical weld and pulse function that often brings relief for such applications.

Tested by the world's best welders under the toughest of conditions: The X is the benchmark in this segment.



X 350 BasicPlus

- Welding range 10-350 A
- Electrodes up to 8 mm
- CEL-capable thanks to MicorBoost technology
- Heavy-current power plug 16 A (400 V)
- Precise – with accurate digital amp display



X 350 ControlPro

- Welding range 10-350 A
- Electrodes up to 8 mm
- CEL-capable thanks to MicorBoost technology
- Heavy-current power plug 16 A (400 V)
- Precise – with accurate digital amp display
- + Pulse function
- + Special function for vertical welding



X 350 ControlPro PST

- Welding range 10-350 A
- Electrodes up to 8 mm
- CEL-capable thanks to MicorBoost technology
- Heavy-current power plug 16 A (400 V)
- Precise – with accurate digital amp display
- Pulse function
- Special function for welding
- + Automatic polarity reversal

WHEN THINGS GET CHALLENGING AND TOUGH, THE X GETS GOING.



The patented technology creates unprecedented performance in MMA welding: Highest power and fantastic welding performance, even with power fluctuations and low mains voltage. Never settle for anything less.

For the most demanding applications up to 8 mm electrodes:

Best ignition and welding properties with MicorBoost technology and digital process control.

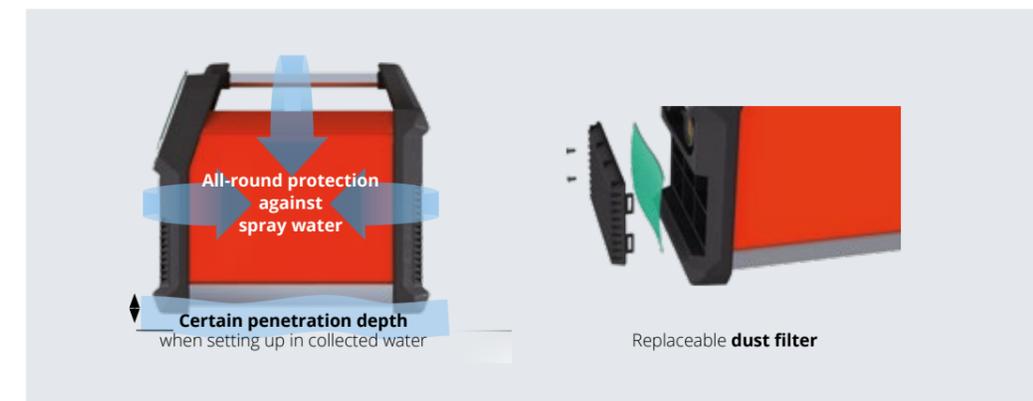
- **Optimised properties for all electrodes.** This includes CEL: Selectable welding programmes for basic, rutile, and CEL electrodes.
- **Hot start:** Adaptive, adjustable hot start for perfect ignition. To be selected directly in the quick access with ControlPro.
- **Arc-force control:** For improved arc stability and optimised material transition.
- **Anti-stick system:** Prevents sticking and annealing of the electrode.
- **Electrode pulse:** Special function for reduced heat input. Particularly appropriate for thin sheets and for bridging larger gaps.
- **Special function for vertical welding:** Put an end to the pendulum movement. Simply move your electrode straight upwards. You also no longer need to weld in two layers. A single one welded with a large electrode will be sufficient.
- **Gouging:** Optimal for weld preparation and repair of defective weld seams.
- **ContactTIG function:** For simple TIG DC welding of steel with contact ignition.
- **Remote control (RC):** An additional remote control can be connected in RC versions. Indispensable for demanding welds, e.g. with CEL.
- **Polarity reversal function (PST):** Allows quick polarity change on the device or remote control without switching cables.
- **CC/CV switching for MIG-MAG:** For using semi-automatic MIG-MAG wire feed cases.



Light and compact and extremely robust, even for rough assembly applications.

You cannot pick your ambience conditions. You also don't need to. The X will just go along with anything thanks to

- **its light weight and crash protection:** Weighing only 18.6 kg at 350 A, the X leads the power-to-weight ranking. One could also say that it offers greater output at lower weight. Nevertheless, it is stable and can withstand falls of up to 60 cm thanks to its crash protection.
- **All-round protection from dust, water, and dirt:** It is not even harmed by heavy rain due to IP34S. Excellent shielding against dust and the penetration of foreign bodies is added. The special bottom design ensures a stable stance while adding sufficient ground clearance for work where water collects, e.g. in a puddle. All of this makes it the ideal companion for assembly work.



- **Tolerates difficult mains conditions, extension up to 200 m can be used, generator operation possible:** This is what reality often looks like. It keeps on welding even if the voltage drops. The system only turns off when the maximum negative tolerance of -40% is reached.
- **Safe and standard-compliant:** True IP 34S, 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** thanks to the high efficiency of MicorBoost technology. Temperature sensors offer stepless fan speed control with a standby function during welding pauses.



3 STEPS TO WELD

Ingeniously simple. Operation – Made by Lorch!

1. Switching on
2. Select procedure/pre-programmed electrode type
3. Setting the welding current

The digital microprocessor optimises parameter settings 100,000 times per second. The only thing you will notice will be your perfect welding results!

Greatest adjustment: The X has an additional to easily adjust all important parameters individually.