FOR PROFES-SIONALS AND THEIR MASTER PERFORMANCE:

The M-Pro series.

SMART MIG-MAG-WELDING. CUSTOMISED.

The M-Pro uses the synergy system from the large Lorch industrial series. Tell the system what you are welding and let the M-Pro set the appropriate pre-programmed welding parameters for convincing welding results in the various applications with its microprocessors. The experience of the best welders in the world is available at the push of a button.

The M-Pro series covers three operating concepts: BasicPlus, ControlPro, and Performance. It also comes in five output versions. Your M-Pro fits your workshop and your tasks like a bespoke suit. The best thing is that all of this is included in the attractive price!

M-Pro 170

- **Welding range 25 - 170 A**
- **Steel/stainless steel: up to 6 mm/wire Ø 0.6 – 0.8 mm**
- **Aluminium: up to 6 mm and wire Ø 1.0 mm**
- Switchable 230 V/400 V
- 6 step BasicPlus

M-Pro 210

- **Welding range 25 - 210 A**
- **Steel/stainless steel: up to 8 mm/wire Ø 0.6 – 1.0 mm**
- **Aluminium: up to 8 mm/wire Ø 1.0 – 1.2 mm**
- Switchable 230 V/400 V
- 12 steps – BasicPlus
- \+ 12 steps + Volt/Ampere display – ControlPro

M-Pro 250

- **Welding range 30 - 250 A**
- **Steel/stainless steel: up to 10 mm/wire Ø 0.6 – 1.0 mm**
- **Aluminium: up to 10 mm/wire Ø 1.0 – 1.2 mm**
- 400 V
- 12 steps – BasicPlus
- \+ 12 steps + Volt/Ampere display – ControlPro
- \+ 21 steps + graphic display and job memory – performance

M-Pro 300

- **Welding range 30 - 300 A**
- **Steel/stainless steel: up to 15 mm/wire Ø 0.6 – 1.2 mm**
- **Aluminium: up to 18 mm/wire Ø 1.0 – 1.2 mm**
- 400 V
- 12 steps – BasicPlus
- \+ 12 steps + Volt/Ampere display – ControlPro
- \+ 21 steps + graphic display and job memory – performance

M-Pro 150 CuSi

- **Welding range 15 - 150 A**
- **CuSi: Wire Ø 0.8 – 1.0 mm**
- **Steel/stainless steel: up to 4 mm/wire Ø 0.6 – 0.8 mm**
- **Aluminium: up to 5 mm/wire Ø 0.8 – 1.0 mm**
- 400 V
- 7 steps – BasicPlus
- \+ 7 steps + Volt/Ampere display – ControlPro

M-Pro 200 CuSi

- **Welding range 15 - 200 A**
- **CuSi: Wire Ø 0.8 – 1.0 mm**
- **Steel/stainless steel: up to 4 mm/wire Ø 0.6 – 1.0 mm**
- **Aluminium: up to 8 mm/wire Ø 0.8 – 1.2 mm**
- 400 V
- 12 steps + volt/ampere display – ControlPro
- \+ 21 steps + graphic display and job memory – performance

AN M-PRO TURNS MIG-MAG INTO YOUR BEST BUSINESS.

MADE IN GERMANY

3 YEARS INDUSTRIAL WARRANTY LORCH

M for masterful. Pro for professional.
100% MIG-MAG efficiency. 0% bells and whistles.

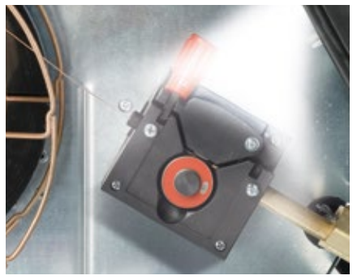
An M-Pro brings MIG-MAG perfection to your workshop. It has what others are lacking. State-of-the-art operation. Simple and ingenious. Simply tell the synergy setting automatic of the M-Pro what material you are going to work with. All other settings will be determined by material thickness. Done.
No more scrambling with increments to approximate the right welding setting. The material thickness displayed shows that all settings are correct. The microprocessors of your M-Pro combine the knowledge of the best welders in the world. This knowledge is at your disposal.

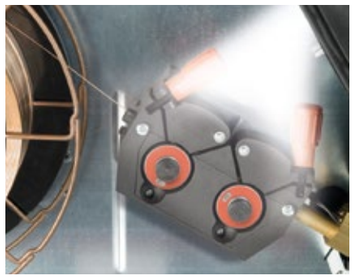
Focus entirely on your work: For perfect weld seams in steel, stainless steel, or aluminium.

Smart MIG-MAG welding

- **Intuitive operator guidance:** Developed by welders for welders.
- **Synergy automatic adjustment:** Perfect weld seams with the simplest adjustment.
- **Spatter-reduced ignition** due to active choke.
- **Perfect arc:** Low-spatter and stable, up to 21 (!) ideally tuned shifting steps from thin to thick.
- **Full MIG-MAG logic:** Digitally controlled 2-/4-time and adjustable point and interval function as standard.
- **Digital display:** Depending on the operating option for material thickness, voltage, welding current and wire feed speed
- **Remote control at the torch:** With the Powermaster torch and Performance operation.
- **Tension-free wire feed:** At the touch of a button. Safe and comfortable.

- **Precise, reliable wire feed for** best results in all applications and any welding position. 2- or 4-roller feed system with large 37 drive rollers for slip-free wire transport without deformation, depending on the model. The feed rollers can be changed quickly and are colour coded for error-free use.





- **Interior lighting:** For good visibility during wire threading in the easily accessible wire feed space with large robust flap.

True Lorch. Passion and perfection in all details. For your daily work.

- **Robust workshop housing** with sturdy handles and stainless-steel tubing for easy manoeuvring and use as a ram protection or crane mount for loading. Can also be used for mounting the optional torch holder.
- **Ergonomic** due to housing size and slanted control panel.
- **Double gas cylinder safety device**, also safe for 50 l gas cylinders.
- **Angled torch connection for** ideal wire guidance and to protect the hose package and cables.
- **Storage area on the system** with non-slip rubber mat.
- **Total stop roller** prevents the system from rolling away.

Energy efficient and powerful at 230 V or 400 V alike.

The M-Pro 170 and 210 can be switched and operated on both 230 V and 400 V mains. No matter the mains supply, the M-Pro delivers solid output power with reliable duty cycle and is energy efficient.

For example, the fan is only started up at need to avoid unnecessary standby energy consumption.

Thin sheet or medium steel construction: You can always find the matching M-Pro.

M-Pro performance classes are derived from practical experience. Choose your bespoke suit. Find the operating concept to match on the next page.

Welding and brazing: The M-Pro CuSi can do both.

It may be hard to imagine, but: Regular MIG-MAG systems will reach their limits now and then when welding. The solution? MIG brazing, or systems that can weld CuSi wire, which should probably be called brazing, can be used.

More about MIG brazing can be found on the Process knowledge page. The M-Pro CuSi is also capable of MIG brazing with CuSi (copper-silicon) and CuAl (copper-aluminium) wires in addition to welding steel, aluminium, and stainless steel. It is perfectly suited for joining thin galvanised and high-alloy sheet metal in a wide range of thicknesses. A low melting temperature can be used due to the finely tuned voltage levels and the low energy input of the system. This allows processing of thin sheets from 0.5 mm onwards. This process is used in the automotive sector, in air conditioning and ventilation technology, in apparatus engineering and in sheet metal processing.

WELDING PERFECTION IN ONLY 3 STEPS.

Select your operating version: All three have the Lorch Synergic automatic adjustment.

MADE IN GERMANY

3 YEARS INDUSTRIAL WARRANTY LORCH

BasicPlus

1. Setting the characteristic curve
Synergy preselection of the material/wire/gas combination in the feed chamber. Anything else is done by the automatic setting.

2. Setting the voltage level
Simply enter the material thickness in the digital display. Ready – perfect.

3. Fine arc correction
The wire feed fine adjustment controls the arc.

Perfect MIG-MAG with 6-12 steps

Automatic synergy adjustment

2-roll wire feed

ControlPro

1. Setting the characteristic curve
Synergy preselection of the material/wire/gas combination in the feed chamber. Anything else is done by the automatic setting.

2. Setting the voltage level
Simply enter the material thickness in the digital display. Ready – perfect.

3. Fine arc correction
The wire feed fine adjustment controls the arc.

Perfect MIG-MAG with 7-12 steps

Automatic synergy adjustment

4-roll wire feed

Volt + amp display

Performance

1. Setting the characteristic curve
Comfortably via the modern graphic display.

2. Synergy controller
Voltage control more precise than ever before. With 21 voltage settings – almost stepless.

3. Fine arc correction
The weldable material thickness is automatically shown in the digital display based on voltage level.

Perfect MIG-MAG with 21 finely adjustable steps

Automatic synergy adjustment

4-roll wire feed

Volt + amp display

OLED graphic display

Remote control torch

Job memory for 10 welding tasks

The Powermaster torch with M-Pro Performance

The Powermaster torch from Lorch maximises comfort. Put an end to running back and forth to fix machine settings. All you need is a push with your finger on the torch. That's how the process is managed today. Once you've worked like this, you will never want to do it any other way again.