

The M-Pro Series

MIG-MAG perfection for every workshop.
For mixed gas and also for CO₂.

The Lorch M-Pro shows itself as a true all-rounder for sheet metal and from medium to heavy steel work. The **high quality system** is impressive with excellent welding characteristics, a robust case, optimal operator ergonomics and the practically oriented “3 steps to weld” operating concept. The modern automatic setting control of the system provides **pure synergy** and makes the operation extremely easy. Only adjust the programme for the material/wire/gas combination used – everything else is simply controlled via the material thickness you want to weld. The **best welding parameters** are immediately present and the wire feed speed is also automatically adjusted to the selected voltage level. Quality for the M-Pro can also be found in the smallest details. Enjoy the performance of a high quality main transformer with optimally matched welding choke, the

large stable wheels, or the handles capable of supporting the complete weight (when functioning as lifting points). With the well thought out power variants and up to **3 intelligent operating concepts**, it is possible to find a M-Pro which ideally suits to your welding requirements.



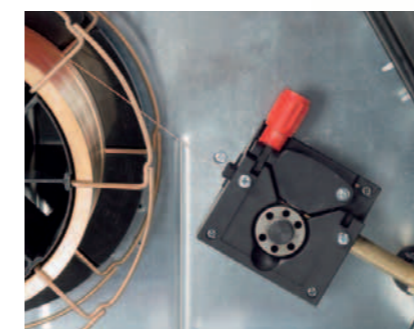
Practical storage surface on the machine and ergonomic, illuminated wire feeder compartment



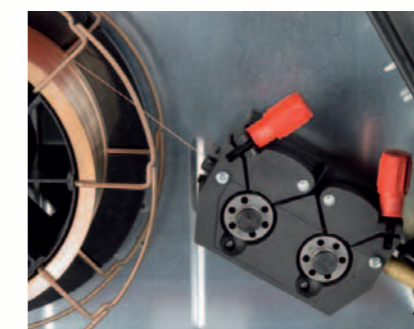
Cylinder trolley for up to 50 litre gas cylinders with double lock and low loading edge

Wire feeder with **precision**
Well thought out in every detail

Only a genuine precision feeder guarantees fine pressure adjustment, minimal wire deformation and exact wire alignment. This is made possible by the high quality **2-roller or 4-roller quality feeder** from Lorch. The wire feeder is inclined for absolutely minimal wire resistance. The wire threading is performed easily and tension-free by pressing a button. The operating button is located exactly where it is needed – at the wire feeder inside the machine.



2-roller wire feeder



4-roller wire feeder

3 steps to achieve weld perfection

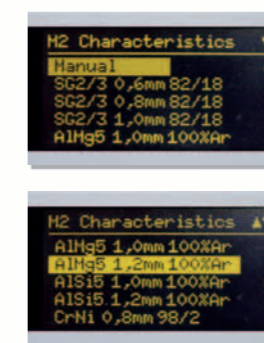
1. Set weld program (synergic pre-selection)
2. Adjust voltage level
3. Wire-speed correction

Automatic setting control for optimum **welding parameters**

- Select the desired material/wire/gas combination from the characteristic-programme table.
- Set the number corresponding to the welding program using the selector switch in the wire feeder space. For the Performance versions the selection is made via the OLED display.



Synergic pre-selection in the BasicPlus and ControlPro models



Synergic pre-selection in the Performance models

The M-Pro series at a glance

- ✓ impressive welding characteristics for steel, aluminium and stainless steel
- ✓ electronic MIG-MAG logic with 2/4-step function and adjustable spot and interval control
- ✓ “3 steps to weld” operating concept with synergic automatic setting control (manual mode can also be selected)
- ✓ 3 operating alternatives: BasicPlus, ControlPro and Performance
- ✓ high operator ergonomics due, to amongst other things, the inclined operating panel
- ✓ robust, completely transportable housing with large, stable wheels
- ✓ manufactured and tested according to DIN EN 60974-1, with CE mark, S-symbol and IP 23
- ✓ quality wire feeder with 2 or 4 rollers
- ✓ tension-free wire insertion at the press of a button (operating button in the wire feeder case)
- ✓ inclined torch connection for minimal wire resistance and optimum wire guidance
- ✓ cylinder trolley for up to 50 litre gas cylinders with low loading edge and cylinder double lock
- ✓ high efficiency and low energy consumption due to the most modern industrial electronics and the fan standby function
- ✓ also available: CuSi variants for perfect MIG brazing (welding current starts as low as a gentle 15 amperes for metal sheets from 0.5 mm)



Quality
Made in Germany



The M-Pro brings MIG-MAG perfection into your workshop

The M-Pro has what others don't have: an inclined torch connection for optimum wire guidance and furthermore pure synergy. You only have to specify the material/wire/gas combination. The automatic setting control of the M-Pro handles the rest. You simply control everything else using the material thickness – ingenious in this class.

Easy handling guaranteed – the operating concepts of the M-Pro

BasicPlus



- ✓ automatic setting control
- ✓ 2-roller wire feeder

ControlPro



- ✓ automatic setting control
- ✓ 4-roller wire feeder
- ✓ volt and ampere display

Performance



- ✓ automatic setting control
- ✓ 4-roller wire feeder
- ✓ volt and ampere display
- ✓ Digastep electronics with 21 voltage levels
- ✓ graphical display (OLED)
- ✓ Tiptronic job memory
- ✓ Powermaster torch remote control

The power variants



	M-Pro 170	M-Pro 210	M-Pro 250	M-Pro 300	M-Pro 150 CuSi	M-Pro 200 CuSi
Welding range	M-Pro 170 170 A Thin sheet metal	M-Pro 210 210 A Thin sheet metal profile work	M-Pro 250 250 A Thin sheet metal and light weight steel work	M-Pro 300 300 A All-round machine for steel work	M-Pro 150 CuSi 150 A Perfect MIG brazing	M-Pro 200 CuSi 200 A car body professional's dream
MIG-MAG	25 - 170 A	25 - 210 A	30 - 250 A	30 - 300 A	15 - 150 A	15 - 200 A
Voltage steps	6	12	12/21*	12/21*	7	12/21*
Welding gases	Mixed gas	Mixed gas + CO ₂ **	Mixed gas + CO ₂	Mixed gas + CO ₂	Mixed gas	Mixed gas
Welding wires						
Steel Ø in mm	0,6 - 0,8	0,6 - 1,0	0,6 - 1,0	0,6 - 1,2	0,6 - 0,8	0,6 - 1,0
Aluminium Ø in mm	1,0	1,0 - 1,2	1,0 - 1,2	1,0 - 1,2	0,8 - 1,0	0,8 - 1,2
CuSi Ø in mm	--	--	--	--	0,8 - 1,0	0,8 - 1,0
Practical duty cycle (d.c.) at 25° C ambient temperature						
Current at 100% d.c.	90 A	90 A	140 A	160 A	120 A	125 A
Current at 60% d.c.	110 A	110 A	170 A	210 A	145 A	160 A
d.c. at max. current	25%	25%	30%	30%	60%	30%
Standard duty cycle (d.c.) measured according to German quality standard DIN EN 60974-1 at 40° C ambient temperature						
Current at 100% d.c.	70 A	75 A	115 A	135 A	100 A	100 A
Current at 60% d.c.	85 A	90 A	140 A	175 A	120 A	130 A
d.c. at max. current	15%	15%	20%	20%	40%	20%
Machine						
Mains voltage	1 - 230 V/2 - 400 V	1 - 230 V/2 - 400 V	3 - 400 V	3 - 400 V	3 - 400 V	3 - 400 V
Mains fuse, delayed action	16 A	16 A	16 A	16 A	16 A	16 A
Dimensions in mm (L x W x H)	880 x 400 x 755	880 x 400 x 755	880 x 400 x 755	880 x 400 x 755	880 x 400 x 755	880 x 400 x 755
Weight	65 kg	69 kg	71 kg	80 kg	66 kg	68 kg
Operating concepts						
BasicPlus	•	•	•	•	•	--
ControlPro	--	•	•	•	•	•
Performance	--	--	•	•	--	•

* in combination with Performance operating concept ** M-Pro 210 available as pure mixed gas and as combination variant for mixed gas + CO₂