SHORT-INFO

MicorMIG 400 configuration

Grows with your challenges.

- Future-Proof
- Highly customizable
- Continous intelligance



At a glance

Future-Proof
Built-in ability to be upgraded with future welding processes and features

Highly customizable
Maximum flexibility for every situation

Continous intelligance
Perfect arc with adjustable dynamic range

Versatility
Lorch's MicorMIG is set apart by the exceptional MIG-MAG welding -characteristics it delivers – regardless of whether the welder uses mixed gas or CO_2.

Dynamic control
Select the arc characteristic you prefer. Depending on the -operating panel you have selected, you can opt for dynamic levels that range from "soft" to "hard".

Synergic pre-selection
MicorMIG versions BasicPlus and greater offer a large number of welding programs for various material, wire and gas combinations. Depending on the design of your machine, you can set the programs in the wire feed compartment of the case or in the wire feed compartment of the compact system.

Upgradability
Never before has it been easier to adjust a welding machine to the ever increasing challenges posed by today's welding tasks. It is now a breeze to upload welding processes, welding programs and functions to the MicorMIG that both boost performance and streamline the workflow.

Enhanced performance thanks to MicorBoost

Our MicorBoost technology -affords you even greater effectiveness at a higher degree of efficiency when completing MIG-MAG welding tasks. Better still, you will also be able to draw on higher voltage -reserves when you need to produce perfect electrode welding results – even if using CEL and special electrodes.

Benefits

EN 1090-certified.

Effortlessly weld in conformity with EN 1090 specifications thanks to the synergy function and automatic setting control. Combine your machine with Lorch's special offer EN 1090 package as well as parameter setting control by NFC cards, and you are ready to handle any welding task they can throw at you.

Ready for Speed.

Complete your welding jobs with even greater ease and speed by implementing optional Lorch Speed upgrades into your MicorMIG machine.

Job management.

The ControlPro display with Tiptronic function makes it a snap to store welding tasks and retrieve and transfer them to other machines as necessary.

PushPull.

When combining the system with a PushPull torch or Lorch's NanoFeeder, you will expand your working radius significantly.

Welder identification made easy.

This feature makes the assignment of set-up and operating rights completely painless. The no-contact data transfer option available for Lorch's MicorMIG series makes it possible to identify the welder at any time.

Gouging.

The MicorMIG stands out from the rest by its ability to weld electrodes including special electrodes, which it can gouge (starting at 400 A) and weld when combined with the optional -Electrode Plus upgrade.

Controlconcept

Basic

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- Activation of end crater filling as necessary
- 3-stage arc dynamic control



BasicPlus

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- Activation of end crater filling as necessary
- 7-stage arc dynamic control
- Automatic setting control (synergy control)
- Welding program selection in the feed -compartment
- Upgradability



ControlPro

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- High-luminosity graphic display (OLED) for display of the 3rd main parameter
- Activation of end crater filling as necessary
- 21-stage arc dynamic control
- Automatic setting control (synergy control)
- Welding program selection in the feed -compartment
- Tiptronic job memory for 100 welding tasks
- Upgradability



Technical Data: MicorMIG series

	MicorMIG 300 configuration	MicorMIG 350 configuration	MicorMIG 400 configuration	MicorMIG 500 configuration
MIG-MAG				
Welding range (in A)	25-300	25-350	30-400	30-500
voltage setting	infinitely variable	infinitely variable	infinitely variable	infinitely variable
Duty cycle				
duty cycle 100% 40 °C (in Amps)	200	250	300	370
duty cycle 60% 40 °C (in Amps)	250	300	370	430
duty cycle at max. current 40 °C (in %)	45%	45%	45%	45%
Feeder and wire				
wire feed unit	4 rolls (2 driven)	4 rolls (2 driven)	4 rolls (2 driven)	4 rolls (2 driven)
weldable wires steel (in mm)	0,6-1,2	0,6-1,2	0,6-1,6	0,6-1,6
weldable wires aluminium (in mm)	1,0-1,2	1,0-1,2	1,0-1,6	1,0-1,6
Mains				
mains voltage (in V)	400	400	400	400
phases (50/60 Hz)	3~	3~	3~	3~
positive mains tolerance (in %)	15%	15%	15%	15%
negative mains tolerance (in %)	15%	15%	15%	15%
max. negative mains tolerance at reduced output power (in %)	30%	30%	30%	30%
mains fuse (in Amps)	32	32	32	32
mains plug	CEE 32	CEE 32	CEE 32	CEE 32
Dimensions and weights				
power source dimensions (LxWxH) A version (in mm)	880x490x885	880x490x885	880x490x885	880x490x885
power source dimensions (LxWxH) B version (in mm)	880x490x955	880x490x955	880x490x955	880x490x955
weight, power source A-version gas-cooled (in kg)	58	58	61	66

weight, wire feed case (workshop version) (in kg)	10.6	10.6	10.6	10.6
weight, water cooling (filled) (in kg)	13.0	13.0	13.0	13.0

Standards and approvals

standard	EN 60974-01	EN 60974-01	EN 60974-01	EN 60974-01
protection class (EN 60529)	IP23S	IP23S	IP23S	IP23S
insulation class	F	F	F	F
designation	CE, S	CE, S	CE, S	CE, S