SHORT-INFO

MicorMIG Pulse 500 configuration

Big advantage on thin sheets.

- Exceptionally versatile
- Effortless handling
- Good-bye, transition arc



At a glance

Good-bye, transition arc
Weld without spatter thanks to a stable and easy-to-control pulse arc.

Exceptionally versatile
The right short arc, pulsed arc or spray arc for any job.

Effortless handling
Intuitive set-up, easy operation and minimum rework distinguish the MicorMIG Pulse as a favourite among welders.

Pulse arc
Minimum rework. Easy to set up and robust, the pulse process integrated into the MicorMIG Pulse now lets you weld with next to no spatter especially in the transition arc. This cuts down the need for extensive rework and saves valuable time during a welding wire change. What is more, MicorMIG Pulse includes all of the well known functions packed into the MicorMIG series.

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. Moreover, fast-action control technology provides for a perfect droplet transition of the pulse arc.

Upgradability
It has never been easier to adjust a welding system to the constantly changing requirements in the welding industry and to add on welding processes, welding programs and features that will streamline your workflows.

Ready for Speed
Take your productivity to the next level by adding the optional Lorch Speed processes "SpeedUp" and "SpeedArc" to your MicorMIG Pulse.

Benefits

EN 1090-certified

Effortlessly weld in conformity with EN 1090 specifications thanks to the synergic 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.

Job management

You can use the ControlPro operating panel to write any welding job you have set up to a blank NFC card and retrieve the stored information at any Lorch MicorMIG power source (BasicPlus or greater) whenever you need it.

PushPull

Increase your working radius significantly by combining the system with a combination of PushPull torch and Lorch NanoFeeder.

Welder identification made easy

This feature makes the assignment of set-up and operating rights completely painless. The contact-less data transfer option available for Lorch's MicorMIG Pulse series makes it possible to identify the welder at any time.

Controlconcept

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 Pulse series

	MicorMIG Pulse 300 configuration	MicorMIG Pulse 350 configuration	MicorMIG Pulse 400 configuration	MicorMIG Pulse 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
weldable wires steel Pulse (in mm)	0,8-1,2	0,8-1,2	0,8-1,2	0,8-1,2
weldable wires aluminium Pulse (in mm)	1,0-1,2	1,0-1,2	1,0-1,2	1,0-1,2
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