SHORT-INFO

# MicorMIG Pulse 350 configuration

**Big advantage on thin sheets.**

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




## 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 |