

SHORT-INFO

S3 RoboMIG XT

For maximum -performance with your robot.

- Simple to integrate
- Improved productivity
- Upgradability



At a glance

Simple to integrate

Sophisticated interface technology and a host of different mechanical add-on parts allow for a combination with nearly all major robot systems

Improved productivity

Use Lorch's Speed processes to squeeze even more out of every seam even when hooked up to a robot

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.

High-end welding performance

Lorch Speed processes always deliver – also in combination with robotic systems. Especially the SpeedPulse XT. Extra fast and extra robust with extra low spatter.

Digital-intelligent process technology

The computing power and measuring sensors -integrated into the S-RoboMIG XT boost your welding performance with exact process control and such special features as seam tracking.

Comprehensive interface technology

Highly advanced interface connectivity supports >all common fieldbus and industrial Ethernet systems along with analogue-digital interfaces.

Customised configurations

You can tailor every welding machine to your specific requirements, ensuring that the machine is a perfect fit for the automatic execution of your welding jobs.

Innovative upgrade concept

If the need arises to upgrade your system later on, you can retrofit your system with additional welding processes and functions at any time to boost your productivity. No matter which machine design you pick, your investment is future-proof and will remain up to par with tomorrow's standards.

Benefits

Tiptronic job management.

Lorch Tiptronic lets you save your ideal settings for every seam, allowing you to retrieve them one by one on the robot's control when completing recurring -welding tasks (standard memory for 100 jobs, optional memory for 1000 jobs).

Back-up function for welding jobs.

The JobTool PC software is designed to save and edit welding tasks (jobs) stored in the welding machine along with their parameter settings. Also suitable for transferring jobs to additional power sources.

Arc dynamic control.

This type of control offers an easy way to adjust the arc characteristic from soft to hard and from hotter to colder. The characteristics are stored in the welding job or -controlled directly by the robot via the interface.

Robo wire feeder.

The robot wire feeder RF-06 is compact, weight-optimised, powerful and perfectly insulated. While it is -designed for standard and hollow wrist robots, you can also opt for a version that supports PushPull torch systems.

Extended range of sensors.

Optional seam tracking function, wire end detection, gas pressure detection or gas flow measurement allow for advanced control over your automated application.

Wide variety of accessories.

Mechanical add-ons for the most common robot versions and wire feeder configurations provide for easier integration.

Controlconcept

XT

- "3 steps to weld" operating concept
- Synergic control
- Intuitive operation
- Straightforward process and program -selection
- Infinitely adjustable welding current -setting
- Arc dynamic control (for Synergic, SpeedArc XT, SpeedPulse XT, TwinPulse XT)
- Arc length can be adjusted specifically for starting, welding and end phases
- Tiptronic job memory for 100 welding tasks (optionally 1000)
- Digital volt-ampere display
- Welding circuit measurement and welding circuit compensation

Also available as a remote control version.

Individual selection of the operating option. In the power source, as a remote control operating panel or both if

Technical Data: S-RoboMIG XT**S3 RoboMIG XT****S5 RoboMIG XT****S8 RoboMIG XT**

MIG-MAG

Welding range (in A)	25-320	25-400	25-500
voltage setting	infinitely variable	infinitely variable	infinitely variable

Duty cycle

duty cycle 100% 40 °C (in Amps)	250	320	400
duty cycle 60% 40 °C (in Amps)	280	350	500
duty cycle at max. current 40 °C (in %)	40%	50%	60%

Feeder and wire

weldable wires steel (in mm)	0,8-1,2	---	---
weldable wires aluminium (in mm)	1,0-1,2	1,0-1,6	1,0-1,6

Mains

mains voltage (in V)	400	400	400
phases (50/60 Hz)	3~	3~	3~
positive mains tolerance (in %)	15%	15%	15%
negative mains tolerance (in %)	15%	15%	15%
mains fuse (in Amps)	16	32	32
mains plug	CEE 16	CEE 32	CEE 32

Dimensions and weights

power source dimensions (LxWxH) B version (in mm)	845x445x810	845x445x810	845x445x810
weight, power source B-version gas-cooled (in kg)	82,8	87,3	96,8
weight, water cooling (filled) (in kg)	14,7	14,7	14,7

Standards and approvals

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