



KEMPPPI K3 WELDING EQUIPMENT

A3 MIG Welder

FAST AND EASY TO ADOPT FOR ANY ROBOT BRAND





A3 MIG Welder



A3 MIG Welder is a synergic MIG/MAG welding system for robotic welding applications. In its class, it represents notably high quality standards, as it uses partly the same technology innovations as Kempfi's top-class robotic welding solution, the A7 MIG Welder.

A3 MIG Welder also enjoys special features for improving welding productivity in robotic applications, for example readiness for using Kempfi's WiseFusion function, which affects the welding arc by making the arc more focused. This gives better fusion of materials resulting in proper penetration, increased welding speed and less distortion on the workpiece.

With total of 90 memory channels for storing welding parameter settings, the A3 MIG Welder offers great ease of use. Each welding task can be stored in its own memory channel, which can be called from the robot when ever needed. Fast and simple.



KEY BENEFITS



380 A

EXCELLENT PERFORMANCE

Delivers up to 380 amperes at full 100 % duty cycle. Excellent arc behaviour and welding quality, also with CO₂ shielding gas. Adds costefficiency to robotic welding.



25%

WISEFUSION

Gives better fusion of materials resulting in proper penetration, increased welding speed and less distortion on the workpiece. Improves productivity and quality.



COMPLETE PACKAGE

Contains everything in the same package: the power source, wire feeder, cables, brackets and the welding gun. Lowers overall investment costs.

BENEFITS

- World-famous Kemppi quality
- Reliability provided by Kemppi's high-technology innovations
- Fast, easy and inexpensive to get up and running
- Low overall investment costs
- Fast and easy parameter setting with 90 memory channels
- Added welding quality and productivity with WiseFusion function
- Extensive table of DeviceNet I/O signals for communication with the robot
- Complete welding package for the common robotic applications



WHAT'S IN THE SYSTEM - EQUIPMENT



Interconnection cable for A3 MIG Welder

The interconnection cable set contains several cables and hoses. The cable set is used for delivering the welding power, shielding gas, cooling liquid, and control signals from the welding power source to the wire feeder. Interconnection cable sets are available in zipper bags or in corrugated sleeves.



Floor stand for wire spool holder

Floor stand for wire spool holder.



Protective cover for wire spool

Plastic cover for wire spool holder.



Wire feeder mounting brackets

Brackets for mounting the wire feeder on the robot's 3rd axis. The design is robot model specific. Order code includes metal plates. Insulation rings and Screws are not included if order code begins with W.



Feed roll kits for A3 Wire Feeder

Metal feed rolls for heavy duty applications.



Stand for power source

For easy transport and keeping floor free under welder.



Wire conduit for wire spools

High quality wire conduit delivers the filler wire smoothly from wire spool to wire feeder. Male connectors on both ends fit to Kempfi feeder and Kempfi wire spool support. Order codes does not include female snap connector for wire spool holder or wire drum. It must be ordered separately. In case of stainless steel or aluminium, a separate chill liner is also required.



Earth return cable 70



A3 Wire Feeder 25-RH-EUR

Wire feeder for automated welding with a reliable 4-roll wire feed mechanism and full metal feed rolls. A3 MIG Welder 25-RH-EUR can be mounted on the back of the robot arm or integrated with any mechanized welding system. A separate mounting bracket is required for mounting the wire feeder on robot. Wire feeder with Euro connector is available in right hand version.



A3 Power Source 400

Synergic MIG/MAG welding automation system, especially well-suited for cost-effective retrofit cases and heavy duty applications. A3 Power Source is available in digital models for integration with different robotic control systems.

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Kemppi is the pioneering company within the welding industry. It is our role to develop solutions that make you win business. Headquartered in Lahti, Finland, Kemppi employs over 800 welding experts in 17 countries and has a revenue of more than 150 MEUR. Our offering includes welding solutions - intelligent equipment, welding management software and expert services - for both demanding industrial applications and ready-to-weld needs. Local expertise is available via our global partner network covering over 60 countries.

