

KempArc SYN 300, 400, 500 Pulse 350, 450



Modular MIG/ MAG welding systems for automation

KempArc is specifically designed for MIG/MAG welding automation. Synergic or pulsed welding process variants are available in either 300/400/500 amp synergic models, or 350 or 450 amp pulsed models. Each range offers logical process adjustment, ensuring quick set-up for busy industry.

Wise process automation products offer additional choice and solutions that match welding in the real world, so you can be sure to cover your welding requirements now and far into the future.

In brief

- Synergic or pulsed MIG/MAG welding
- Digital or analogue models
- Compact, lightweight wire drive mechanism
- Wise welding solutions compatible see pages 44–45
- KempArc browser robot interface

KempArc key features

KempArc automation range allows standard or tailored welding packages to suit your specific welding environment. For example KempArc Pulse range offers Work Pack, including welding software selections for steel, aluminium, and stainless steel filler wires, or Project Pack where you match your specific local welding needs perfectly. Either version can be upgraded at anytime.

Choose either digital or analogue models for integration with different robotic control systems. Digital process management ensures fast communication speeds for precise ignition and welding quality. Memory channels are available as standard for systems that demand independent parameter storage.

KempArc Browser robot interface is an easy way to control the welding parameters of KempArc robotic welding equipment. Just take your teach pendant device and open the control panel with the KempArc Browser. You can also connect to it through intranet or with a laptop for easy maintenance and service of your KempArc system.



Robot control pendant displaying KempArc Browser interface.

KempArc options

DT400 wire feed unit mounts to the back of the robot arm or as a convenient integrated wire feed solution for any mechanized welding system. DT400 is compact and light in weight, incorporating a 4x4 drive mechanism.

KempCool 10 keeps a cool head in the heat of production welding with 1 kW of cooling power.

KF 62 control pendant offers remote welding control for KempArc Pulse power source.

DT400 wire feed unit.



	SYN 300	SYN 400	SYN 500	Pulse 350	Pulse 450
Connection voltage	400 V (-15 ... +20 %)	400 V (-15 ... +20 %)	400 V (-15 ... +20 %)	400 V -15 % ... +20 %	400 V -15 % ... +20 %
Fuse, delayed	25 A	35 A	35 A	25 A	35 A
Output (40 °C)	300 A @ 100% duty cycle	400 A @ 80% duty cycle	500 A @ 60% duty cycle	350 A @ 80% duty cycle	450 A @ 60% duty cycle
Dimensions (mm)	590 x 230 x 500	590 x 230 x 500	590 x 230 x 500	590 x 230 x 430	590 x 230 x 430
Weight (kg)	34	35	36	36	37