

## Wise™ special processes

WiseRoot-A	9991011
WiseThin-A	6265013
WisePenetration-A	9991010
WiseFusion-A	9991015

## Cooling unit

KempCool 10	6208100
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## Cables

Interconnection cable 5 m, air cooled	6260441
Interconnection cable 10 m, air cooled	6260445
Interconnection cable 5 m, liquid cooled	6260461
Interconnection cable 10 m, liquid cooled	6260465
Cable clamps, jointless	W003210
Cable clamps, ball-joint	W003211
Earth return cable 70 mm <sup>2</sup> , 5 m,	6184711
Earth return cable 70 mm <sup>2</sup> , 10 m	6184712

## Undercarriages

PM 500	6185291
PM 501 (with PSL 55)	6185292
PM 502	6185293

## Remote panels

KF 62	6200800
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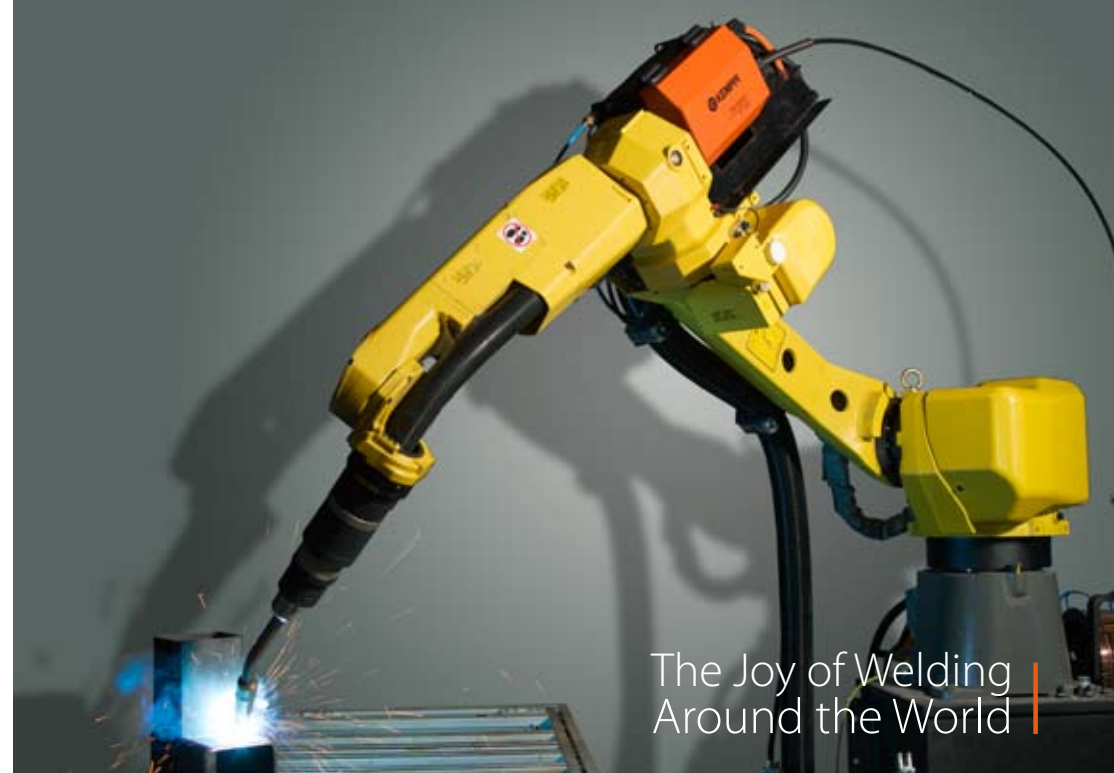
KempArc	SYN 300	SYN 400	SYN 500
Connection voltage	400 V (-15...+20 %)	400 V (-15...+20 %)	400 V (-15...+20 %)
Fuse, delayed	25 A	35 A	35 A
Output (40 °C)	300 A @ 100% duty cycle	400 A @ 80% duty cycle	500 A @ 60% duty cycle
Dimensions (mm)	590 x 230 x 500	590 x 230 x 500	590 x 230 x 500
Weight (kg)	34	35	36

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

DT 400	
Operating voltage	50 V DC
Rated power	100 W
Load capacity	80% ED 600 A 100% ED 500 A
Operating principle	4-wheel feed
Wire feed speed	0...25 m/min
Filler wires	Ø Fe, Ss Ø Flux-cored wire Ø Al
Welding gun connector	Euro
Operating temperature range	-20...+40 °C
Storage temperature range	-40...+60 °C
Degree of protection	IP23S
External dimensions LxWxH	269x175x169 mm
Weight	4.5 kg

The machine complies with the requirements for the CE label.

See [www.kemppi.com](http://www.kemppi.com) for detailed technical specifications.



The Joy of Welding  
Around the World



[www.kemppi.com](http://www.kemppi.com)

# KempArc™ Modular MIG/MAG welding systems for automation

SYN 300, 400, 500  
Pulse 350, 450



**+ In brief**

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

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. Job channel memory is available as standard for systems that demand independent parameter storage.

KempArc Pulse can be equipped with the KF 62 remote control panel or the KempArc Browser software for remote adjustment. With these accessories, the welding parameter values can be changed with an easy-to-use handheld device, and you are free to position the power sources in a space-efficient way.

**+ Applications**

- Robotic welding
- Mechanised welding
- Automated systems



**| KF 62 |**

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



**| KempCool 10 |**

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

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 and 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.



**| KempArc™ Pulse 450 |**

**| KempArc™ Synergic 500 |**



DT 400 wire feed unit mounts to the back of the robot arm or as a convenient integrated wire feed solution for any mechanized welding system. DT 400 is compact and light in weight, incorporating a 4x4 drive mechanism.



**| DT 400 |**

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.



**■ KempArc™ power sources**

KempArc SYN 300 (digital)	6201300
KempArc SYN 400 (digital)	6201400
KempArc SYN 500 (digital)	6201500
KempArc SYN 300 (analogue)	6201300AN
KempArc SYN 400 (analogue)	6201400AN
KempArc SYN 500 (analogue)	6201500AN
KempArc Pulse 350 (digital)	6200350
KempArc Pulse 450 (digital)	6200450
KempArc Pulse 350 (work pack profile)	6200350EL
KempArc Pulse 450 (work pack profile)	6200450EL
KempArc Pulse 350 (project pack custom)	6200350AN
KempArc Pulse 450 (project pack custom)	6200450AN

**■ Wire feeders**

DT 400	6203400
DT 400L	6203400L

**■ Interface cards**

Interbus S	9774120IBC
Interbus S, optical	9774120IBO
Profibus	9774120PRF
Devicenet	9774120DEV
Ethernet	9774120ETH

**■ Control devices**

KempArc Browser Synergic	6202100
KempArc Browser Pulse	6202200