



Special symbols



4-roll wire drive



Water cooling option



Direct and pulsed current output



Alternating, direct and pulsed current output



Constant voltage output



Constant current and constant voltage output



Requires single phase supply



Multi-voltage unit



2-roll wire drive



Energy efficient compared to alternative product options



Supply frequency



Constant current output



Requires three phase supply



Contents

MIG/MAG welding	xx
TIG welding	xx
MMA welding	xx
Guns and torches	xx
Welding automation and arc performance solutions	xx
Software products, online services and arc monitoring	xx
Safety products, accessories and process training	xx

Wise decisions create a more productive result



Manage welding skill productivity and quality

Finding the best solutions to problematic welding cases, Wise™ software product family has been developed and tested together with industrial partners, and proved inside production environments.

Wise products are welding software solutions, enabling levels of welding performance that otherwise would be impossible to achieve with standard MIG/MAG welding process. Use Wise products for enhanced root closure, constant power management, automated arc length control and precise thin sheet welding.

Compatible with FastMig synergic, FastMig Pulse and KempArc automation equipment, Wise products can be tested in your local environment before or after your equipment purchase.

	Order code	KempArc Synergic	KempArc Pulse	FastMig Synergic	FastMig Pulse
WiseRoot	6265011			•	•
WiseRoot-A	9991011	•	•		
WiseThin	9991013			•	•
WiseThin-A	6265013	•	•		
WisePenetration	9991000			•	•
WisePenetration-A	9991010	•	•		
WiseFusion	9991014				•
WiseFusion-A	9991015		•		



WiseRoot is a highly efficient and unique tailored cold arc process for manual and automated root pass welding in ferrous and stainless steel materials. Designed for the effective closure of root joints and tolerance of gaps created by poor joint fit-up, WiseRoot is three times faster in root welding than TIG process, is easy to learn and use and saves time on rework costs. Traditionally, welding engineers have been reluctant to employ the standard MIG/MAG process for quality root welding, due to known quality issues. However Kemppi WiseRoot is everything but traditional and is now a proven and accepted root welding solution.



WisePenetration delivers consistent power to the weld pool regardless of distance changes and deviations between the welding gun nozzle and work piece. Suitable for both manual and automated synergic MIG/MAG welding, WisePenetration solves some age old problems.



WiseThin is a tailored cold arc process for manual and automated thin sheet welding and brazing. Typical applications include automotive manufacturing and quality light plate fabrication in ferrous and stainless steel materials.



WiseFusion creates and maintains an optimal short-circuit characteristic in pulsed MIG/MAG and spray-arc welding applications. Keeping the arc length optimally short for manual and automated welding, WiseFusion ensures consistent weld quality in all positions, and once set, eliminates the need for regular parameters adjustments.