

FastMig X Regular

PRODUCTIVE WELDING FOR MULTI-MATERIAL
WORKSHOPS

Kemppi K7 Welding equipment

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FASTMIG X WITH THE REGULAR SETUP IS THE SOLUTION FOR APPLICATIONS WHERE MULTI-PROCESS WELDING, INCLUDING PULSE MIG AND HIGH POWER, IS NEEDED

Welding workshops, especially those specialized in heavy contract manufacturing, need reliable multi-process welding, including MIG/MAG welding with pulse capability and stick welding, for various applications where high productivity, quality, and flexibility are desired.

We assembled the perfect setup for highly efficient multi-process welding of carbon steels and the most typical stainless steels and aluminum alloys. See how to save energy, time, and money by raising the productivity and quality of welding to an entirely new level. Find out more by scrolling down, or [CLICK HERE](#) to take a glance at the whole FastMig X concept and product series.

KEY BENEFITS



FASTER WELDING

Boost your efficiency by utilizing up to 30 % faster travel speeds with WiseFusion



LOWER HEAT INPUT

Reduce distortion and time consuming straightening work and improve the impact toughness of high strength steels with WiseFusion



BEST REACH ON THE MARKET

Distance and access will no longer be a problem with the SuperSnake subfeeder accessory

BENEFITS



- Kemppi ARC System 3 compatibility: easy and exact production and quality management
- Save filler metal – the high energy density of the arc allows narrower grooves to be used with WiseFusion
- More efficient welding - utilize up to 30 % faster travel speeds with WiseFusion
- Up to 25 % lower heat input, fewer deformations, and less straightening work with WiseFusion
- Less spatter equals fewer repairs and lower post-welding costs
- Light mechanization enabled with MagTrac welding carriage compatibility: up to 5 times faster than fully manual welding
- Easy to keep welding parameters inside WPS tolerances with the arc voltage measurement
- Focused arc with WiseFusion – smaller weld pool size – easier to weld in all positions
- SuperSnake subfeeder offers the best reach on the market, up to 30 m
- Inverter technology alone can save up to 40 % of energy



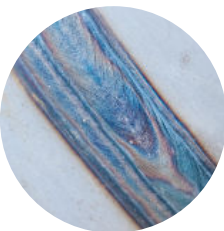
TOP QUALITY PULSE WELDING FOR VERSATILE NEEDS

Specifically designed for demanding workshop use, this software setup offers both pulse and double pulse MIG welding capability for various materials, covering a vast number of applications. Whether used in manufacturing thick materials or sheet metal, this setup is ready to raise pulse welding to a whole new level.



IMPROVED EFFICIENCY, HIGHER PRODUCTIVITY

The FastMig X Regular setup for robust workshop use enables you to save time, money, and energy. The MagTrac's welding carriage compatibility enables welding speeds up to five times faster compared to fully manual welding. Savings in energy use can reach up to 40 % due to our inverter technology alone, while welding with 25 % lower heat input means fewer deformations and less time consuming straightening work. The smooth welding process with less spatter equals less grinding and therefore lower repair costs. This is the perfect setup for higher productivity.



FAST, FOCUSED WELDING WITH FEWER DEFECTS

See stable, focused, and reliable welding at its finest. The use of the WiseFusion function for synergic MIG/MAG and pulsed arc welding keeps the welding arc focused, making it easier to weld in all positions. Exact arc voltage measurement enables the welder to easily maintain welding parameters inside WPS tolerances. The high energy density of the arc is the basis for more profitable, less time-consuming welding.



PRECISELY WHAT YOU ARE LOOKING FOR IN PULSE WELDING

Our reliable, high-end, multi-process technology is always configured to meet our clients' exact needs, whatever they may be. Designed for robust workshop use, the FastMig X setup is easily adapted, easily upgraded, and easily used—thus improving the quality and productivity of MIG/MAG and stick welding in a variety of conditions. With its flexible setup of high-quality components and software, the FastMig X is the premier welding solution for you.

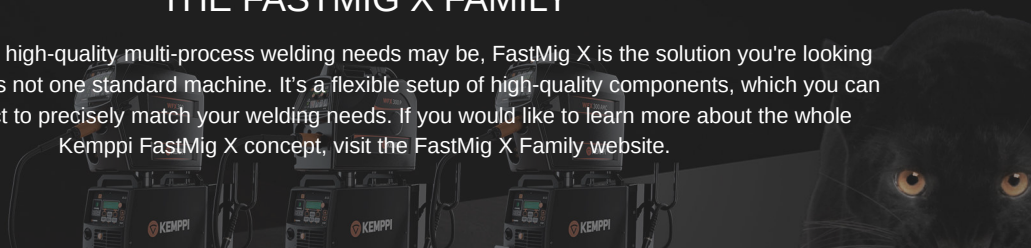


MATCHING HIGH PRODUCT QUALITY WITH SUPERIOR SERVICE

FastMig X is fully compatible with the world's most comprehensive welding management software, WeldEye. Among other things, it monitors compliance to the WPS, ensures that welders have appropriate qualifications, and collects quality documentation. The Kemppi worldwide service network also ensures immediate support and consultation. Weld more, produce more, and profit more with the FastMig X.

THE FASTMIG X FAMILY

Whatever your high-quality multi-process welding needs may be, FastMig X is the solution you're looking for. FastMig X is not one standard machine. It's a flexible setup of high-quality components, which you can always select to precisely match your welding needs. If you would like to learn more about the whole Kemppi FastMig X concept, visit the FastMig X Family website.



WHAT'S IN THE SETUP

EQUIPMENT



FastMig X 450 Power source

FastMig X 450 is the ultimate power source. This unit boosts your productivity and welding quality to a whole new level.



WFX 300 Wire feeder

Wire feeder for top quality welding in workshops. Reliable DuraTorque wire feeder mechanism with strong double-skin plastic casing and ArcVoltage features as standard.



Cool X Cooling unit

Cool X cooling unit for liquid-cooled setups is the ultimate choice providing 1 kW of cooling power with 3 liters of cooling liquid.

APPLICATION SOFTWARE



WiseFusion

Ensures excellent weld quality, efficiency and ease of use. Keeps the welding arc focused and guarantees the optimal arc length in any welding position in pulse and synergic MIG/MAG welding. Also available for automated welding.

ALTERNATIVE EQUIPMENT AND SOFTWARE



FastMig X 350 Power source

The FastMig X 350 power source is the driving force behind productive welding.



FastMig X 350 MV Power source

FastMig X 350 MV power source is a multi-voltage unit for demanding applications and welding.



WFX 200 Wire feeder

This small and lightweight wire feeder is excellent choice for workshop environment. A reliable DuraTorque wire feeder mechanism with strong double-skin plastic casing and ArcVoltage features as standard.

TECHNICAL SPECIFICATIONS

FastMig X 450 Power source

Product code	6103450
Connection voltage 3~ 50/60 Hz	400 V, (-15...+20%)
Fuse (delayed)	35A
Minimum generator power	35 kVA
Output 60% ED	450 A
Output 100% ED	350 A
Open circuit voltage MIG/MAG	U ₀ = 80 - 98 V
Open circuit voltage MMA	U ₀ = 70-98 V U _{av} = 50 V
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10
External dimensions LxWxH	590 × 230 × 430 mm
Degree of protection	IP23S
Operating temperature range	-20 ... +40 °C

WFX 300 Wire feeder

Product code	6103530
Output 60% ED	520 A
Output 100% ED	440 A
Gun connection	Euro
Filler wire sizes (Ss)	0.6 - 1.6 mm
Filler wire sizes (Al)	0.8 - 2.4 mm
Filler wire sizes (Fe)	0.6 - 1.6 mm
Filler wire sizes (Cored wire)	0.8 - 2.0 mm
Wire spool diameter, max.	300 mm
Wire spool weight, max.	20 kg
Wire feed mechanism	DuraTorque
Wire feed speed	1 - 25 m/min
Standards	IEC 60974-5
Weight (empty)	12.5 kg
External dimensions LxWxH	625 × 243 × 476 mm
Degree of protection	IP23S
Operating temperature range	-20 ... +40 °C
Software	WiseFusion WorkPack (21pcs)

Cool X Cooling unit

Product code	6068200
EMC class	A
Weight (no accessories)	11 kg
External dimensions LxWxH	570 x 230 x 280 mm

Cool X Cooling unit

Degree of protection	IP23S
Tank volume	~3 L
Cooling power	1 kW
Storage temperature range	-40 ...+60 °C
Operating temperature	-20 ...+40 °C
Operating voltage (safety voltage)	400 V -15 ...+20 %
Maximum pressure	0.4 Mpa