

KEMPPI K7 WELDING EQUIPMENT

# FastMig X Regular

PRODUCTIVE WELDING FOR MULTI-MATERIAL WORKSHOPS



## FastMig X Regular



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

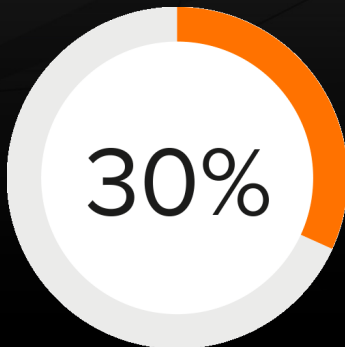
Welding workshops, especially those specialized in heavy contract manufacturing, need reliable multi-process welding, including MIG/MAG welding with pulse capability and stick welding, for various applications where high productivity, quality, and flexibility are desired.

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.

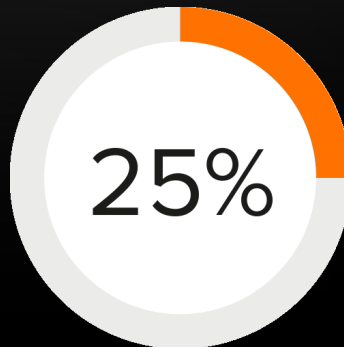


## KEY BENEFITS



### 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

- WeldEye 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



## BENEFITS



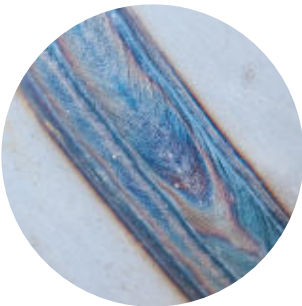
### TOP QUALITY PULSE WELDING FOR VERSATILE NEEDS

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.



## WHAT'S IN THE SETUP - EQUIPMENT



### FastMig X 450 Power source

Provides 450 A with 60% duty cycle. Suitable for generator use.



### WFX 300 Wire feeder

For Ø 200/300 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement.



### 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.



## WHAT'S IN THE SETUP - SOFTWARE



### WiseFusion

A welding function that ensures consistent weld quality in all positions by automatically regulating arc length. Creates and maintains an optimal short-circuit characteristic in pulsed MIG/MAG and spray-arc welding.



## ALTERNATIVE - EQUIPMENT AND SOFTWARE



### FastMig X 350 Power source

Provides 350 A with 80% duty cycle. Suitable for generator use.



### FastMig X 350 MV Power source

Provides 350 A with 80% duty cycle. Multi-voltage power source that connects to 220 V - 230 V and 380 V - 440 V (+/-10 V) 3-phase supply voltages. Suitable for generator use.



### WFX 200 Wire feeder

For Ø 200 mm wire spools. Strong double-skin plastic casing with a reliable DuraTorque wire feed mechanism. Built-in arc voltage measurement.





## 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 MMA	U <sub>0</sub> = 70-98 V U <sub>av</sub> = 50 V
Open circuit voltage MIG/MAG	U <sub>0</sub> = 80 - 98 V
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm
Degree of protection	IP23S
Standards	IEC 60974-1, IEC 60974-5, IEC 60974-10

## WFX 300 Wire feeder

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



## Cool X Cooling unit

Product code	6068200 Cooling liquid - 10 liter can - SP9810765
Operating voltage (safety voltage)	400 V -15 ...+20 %
Maximum pressure	0.4 Mpa
External dimensions LxWxH	570 x 230 x 280 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
Tank volume	~3 L
EMC class	A
Cooling power	1 kW
Storage temperature range	-40 ...+60 °C
Operating temperature	-20 ...+40 °C

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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.

