

FastMig X Intelligent

INTELLIGENT WELDING FOR THE DIVERSE NEEDS
OF MULTI-MATERIAL WORKSHOPS

KempPi K7 Welding equipment

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HIGH-CLASS MULTI-PROCESS SOLUTION FOR DIVERSE DEMANDING WELDING APPLICATIONS

The Wise software features built into the FastMig X Intelligent setup cover the diverse needs of the most demanding welding tasks. Typical applications include, for example, stainless steel process equipment, boats' and ships' hulls built out of aluminum, and power plant pressure vessels made under strict supervision and obligation to produce detailed quality documentation.

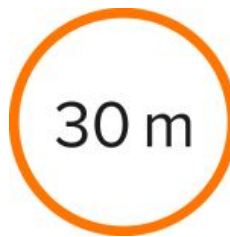
The setup is flexible enough to adapt to fast-changing needs and capable enough to meet the ever increasing quality requirements. See intelligent welding at its finest. Learn more by visiting the [KEMPPI FASTMIG X FAMILY SITE](#).

KEY BENEFITS



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



FASTER WELDING

Weld 30 % faster and produce more in PF (vertical up) position with WiseThin+ and 30 % faster in other positions with WiseFusion

KEY APPLICATIONS



ALUMINUM BOATS



PRODUCTION LINES

BENEFITS



- WeldEye compatibility: easy and exact welding production and quality management
- Designed to meet the diverse needs of any metal fabrication workshop
- Wide range of applications with one piece of equipment: smaller investment costs, more turnover, more efficient production
- Optimized welding properties for sheet metal and plates, all positions and materials, mixed gases and CO₂
- 20 % faster welding in the PF position with WiseThin+, 30 % faster welding in other positions with WiseFusion
- Set up, copy, and adjust welding settings with the Arc Mobile Control solution
- SuperSnake subfeeder offers the best reach on the market, up to 30 m
- Easy to keep welding parameters inside WPS tolerances with exact arc voltage display



FULL RANGE OF OPPORTUNITIES FOR INTELLIGENT WELDING

Kemppi FastMig X setup for diverse welding is designed to give superior welding quality and performance with limitless flexibility in specialized tasks and materials. Meeting the diverse needs of any metal fabrication workshop has never been this easy: look no further for the perfect MIG/MAG welding equipment for a wide range of applications, from demanding manual welding to efficient mechanized welding.



THE BEST SOLUTION OUT THERE

We have designed the perfect setup for specialized tasks in a variety of welding conditions. Select from various optional features and modify the FastMig X system to perform precise tasks according to your needs. Thanks to optimized welding properties for sheet metal and plates, all positions and materials, mixed gases and CO₂ the setup meets all productivity and quality requirements. This setup will always fulfill your ambitions in welding.



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.



WELD FASTER, REACH FURTHER

Multi-process welding solutions are essential for multi-material workshops. This setup, specifically engineered to offer diverse welding options, includes an intelligent collection of device and software component choices. Weld even as much as 30 % faster, reach up to distances of 30 m, and benefit from 25 % lower heat input. Choose FastMig X for high quality welding with an optimized production flow.

**You get the same welding quality
with 39 % lower shielding gas costs!**



Normal welding

Gas cost (Ar+18%CO₂) = 25 cyl * 86 €/cyl =

2150 €



Kemppi WiseThin+

Gas cost CO₂ = 25 cyl * 52 €/cyl =

1300 €

Assumptions:

Time: 1 year = 220 working days, 8 hours per day with arc time 20 %

Shielding gas: 25 000 litres = 25 cylinders a year

WiseThin+ process is optimised for solid wires and CO₂ shielding gas.
It can bring you significant savings when welding on 1 – 5 mm plates.

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 AMC Wire feeder

Intelligent wire feeder for top quality welding in workshops. Reliable DuraTorque wire feeder mechanism with strong double-skin plastic casing and ArcVoltage features as standard. This unit is also ARC Mobile Control compatible.



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.



ARC Mobile Control

For the first time in welding history, you can now control and monitor your welding machine wirelessly via a smartphone or tablet computer. Download the app from Google Play.

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.



WisePenetration

A welding function for ensured penetration in synergic MIG/MAG welding. Delivers constant power to the weld pool regardless of changes in welding gun orientation or distance between the welding gun and work piece. Also available for automated welding.



WiseThin+

Optimized short arc process for sheet metal and position welding. Spatterless arc by precise digital control. Process is suitable for welding sheet metals and thicker plates in position welding, even in case of wider caps and gap variations.



MatchLog

MatchLog includes Minilog and MatchChannel activation in WFX feeders (Minilog can be used only with MXF feeders). MatchChannel allows changing of the memory channel during welding and Minilog enables to change welding power in the same memory channel.

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 AMC Wire feeder

This small, light, and intelligent wire feeder is an excellent choice. a reliable DuraTorque wire feeder mechanism with strong double-skin plastic casing and ArcVoltage features as standard. This unit is also ARC Mobile Control compatible.

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 AMC Wire feeder

Product code	6103533
Output	440 A
Output 60% ED	520 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 WisePenetration WiseThin+ MatchLog Steel Pack (12 pcs) Steel Pack for Wise thin+ (8 pcs) Stainless Pack (12 pcs) Aluminum Pack (12 pcs)

Cool X Cooling unit

Product code	6068200
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Cool X Cooling unit

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