



X5 FastMig / X5P FastMig Pulse

More than a great weld

- Modular industrial welding system
- 400A and 500A 60% duty cycle
- Manual, Auto and Auto Pulse
- MIG/MAG/TIG/MMA/GOUGE
- Weld Assist auto setting
- Digital WPS option
- 100 Channel memory
- Gun trigger Power logic
- Wide connection voltage
- Generator compatible
- Water cooler option
- Wise and MAX arc performance tools
- SuperSnake GTX sub feeder
- WeldEye 'Arc Vision' Industry 4.0
- Designed and manufactured in Finland
- 3 year warranty

Applications

- MIG/MAG
- DC TIG
- MMA welding
- Gouging

Versatile industrial MIG/MAG welder

Designed and manufactured in Finland, X5 FastMig is a modular multi-process industrial welding system, focused primarily on high performance MIG/MAG welding.

Engineered for ease of use, adaptability and exceptional welding quality, process and equipment options include Manual, Auto and Auto Pulse MIG/MAG welding packages, alternative wire feed units, MMA, gouging and TIG processes, extended reach feeding systems, arc performance software tools and a range of supporting accessories.

Integrated digital wireless connectivity opens up a wealth of welding insight through X5 FastMig APC models, including welding management software and digital WPS (dWPS) functionality, thus delivering the benefits of digital transformation to the very heart of the welding workplace.

360° MODULAR WELDING SYSTEM

Select from alternative power sources, wire feeding solutions, Manual, Auto or Auto Pulse user interfaces and software tools.

ELEVATE PRODUCTIVITY

MAX and Wise arc performance tools elevate productivity, increase welding speed, improve weld pool control and lower heat input

FASTER SETUP

Weld Assist is the quick setup guidance tool. Simply select your joint style, welding position and material thickness and you're ready to weld.





Heavy-duty wire feeders for 200 mm and 300 mm wire spools provide extra durability in extreme site conditions HD 300 mm wire feeder models feature standard integrated LED self charging work lights.

VALUE FEATURES



FASTER WELDING, BETTER QUALITY

X5 and X5P FastMig are industrial, multi-process welding solutions, featuring options for Manual, Auto and Auto pulsed performance specifications. Premium arc control and precise ignition produce high quality welds with less spatter, faster than before.



EFFORTLESS OPERATION

Automatic welding parameter adjustment with optimal settings is fast and easy. The graphical 5.7" TFT display satisfies both experienced welding professionals and new talent.



FLEXIBLE EQUIPMENT SETUP

X5 FastMig adapts seamlessly to different welding applications and work environments. The wide range of accessories improves welding quality and ergonomics and streamlines production processes.

Make weld tasks easy



DIGITAL WPS

Use the dWPS to automatically set and weld within the correct parameter values and receive alerts on any deviations on the screen.



WELD ASSIST

Up to 60% faster than manual mode, Weld Assist sets the welding machine based on your selections for joint type, welding position and material thickness.



TOUCH SENSE IGNITION (TSI)

Minimizes weld spatter and reduces the need for post-weld cleaning.



WIRE FEEDERS

Select the wire feeder model that best meets your needs, from the top-loading X5 Wire Feeder for 300 mm wire spools, extra heavy duty site wire feeders for 200 mm and 300 mm wire spools, or the SuperSnake GTX distance and access solutions.

They feature robust wire feed mechanisms, quick-release wire feed rolls, wire and gas test buttons, kinetic spool brake and integrated cabinet lighting, providing a wire feed solution for any application.



POWERLOG

Allows three alternative power level steps during welding, select the power step you need for your task using the standard gun trigger.



AUTOCOOL ENERGY SAVE

Dynamic cooling manages the air flow and cooling circuit run times automatically based on the welding duration, thus reducing electrical power consumption and noise.



WELDEYE ARCVISION

A digital service that tracks and records arc-on time and welding parameters for better insight into your welding activities. WeldEye ArcVision digitally collects raw data from connected welding stations and presents it in clear tables and graphs that can be filtered based on various needs. This integrated Industry 4.0 solution is available for a free no obligation test and trial period.



TRANSPORT CARRIAGES

Choose from two-wheel and four-wheel carriage options, including fast-connect storage and transportation of wire feed units, innovative floor level gas cylinder loading, improved safety and easier movement around the workshop and on-site.



Four-wheel wire feeder carriage features a 'fast-connect' design, enabling easy docking with standard X5 FastMig power sources, thus ensuring secure ground level storage and transportation.



Top-loading wire feeder design ensures ergonomics and safety when changing heavy filler wire spools.



Ultimate welding comfort and long-lasting, high-quality consumables with Flexlite GX welding guns.



Build your system

X5 FastMig is more than just a great weld, it is a 360-degree modular welding solution. Whether your welding challenge is in the workshop or on-site, X5 FastMig performs to meet your specific needs.

Choose from 400A or 500A power sources, Manual, Auto and Auto Pulse welding performance, optional welding software and dedicated arc performance processes for clean, high-quality weld seams, increased weld pool control and excellent productivity.

Visualize welding activity through digital dashboards that support welding quality, personnel qualification and documentation needs.

360°

**WELDING
MANAGEMENT**

**WELDING
SOFTWARE**

**WELDEYE CLOUD
SERVICE**

**WELDING
SOFTWARE**

DIGITAL WPS

**MAX AND WISE ARC
PERFORMANCE
PROCESSES**

WELDEYE ARCVISION

WELD ASSIST



POWER SOURCES
 400A
 400A PULSE
 400A PULSE+
 500A
 500A PULSE
 500A PULSE+

MULTI-VOLTAGE POWER SOURCES
 400A MV PULSE+

MIG/MAG
 MMA
 DC TIG
 GOUGING

SINGLE WIRE FEEDER

DOUBLE WIRE FEEDER

FEED UNITS FOR 200/300 mm WIRE SPOOLS

SUPERSNAKE SUBFEEDER

WIRE FEEDER COUNTERBALANCE ARM

WIRE FEEDER HANGERS FOR BOOM

POWER SOURCES

WELDING PROCESSES

WIRE FEED UNITS & SUBFEEDER SYSTEMS

CABLES & CARRIAGES

COOLING

WELDING PROCESS CONTROL

GAS CYLINDER CART
TROLLEY CART
FAST CONNECT WIRE FEEDER CART

ALTERNATIVE CABLE SETS

LIQUID COOLER

MANUAL
 AP
 APC

Technical specifications

X5 POWER SOURCE		400	400 PULSE	400 PULSE+	400 MV PULSE+
Mains connection voltage 3~ 50/60 Hz		380...460 V ±10 %	380 - 460 ±10 %	380 - 460 ±10 %	220 - 230 ±10 % 380 - 460 ±10 %
Output at +40 °C	40 % ED 60 % ED 100 % ED	- 400 A 350 A	- 400 A 350 A	- 400 A 350 A	400 @ [220 - 230 V] 400 @ [380 - 460 V] 350
Welding current and voltage range	MIG MMA TIG	15 A/12 V ... 400 A/42 V 15 A/10 V ... 400 A/42 V 15 A/1 V ... 400 A/42 V	15 A/10 V ... 400 A/50V 15 A/10 V ... 400 A/50V 15 A/1 V ... 400 A/50V	15 A/10 V ... 400 A/50V 15 A/10 V ... 400 A/50V 15 A/1 V ... 400 A/50V	15 A/10 V ... 400 A/45V 15 A/10 V ... 400 A/45V 15 A/1 V ... 400 A/45V
Operating temperature range		-20...+40 °C	-20...+40 °C	-20...+40 °C	-20...+40 °C
Storage temperature range		-40...+60 °C	-40...+60 °C	-40...+60 °C	-40...+60 °C
EMC class		A	A	A	A
Degree of protection		IP23S	IP23S	IP23S	IP23S
External dimensions L x W x H		750 x 263 x 456 mm	750 x 263 x 456 mm	750 x 263 x 456 mm	750 x 263 x 456 mm
Weight without accessories		39.0 kg	39.5 kg	39.5 kg	43,5 kg

X5 POWER SOURCE		500	500 PULSE	500 PULSE+
Mains connection voltage 3~ 50/60 Hz		380...460 V ±10 %	380...460 V ±10 %	380...460 V ±10 %
Output at +40 °C	60 % ED 100 % ED	500 A 430 A	500 A 400 A	500 A 400 A
Welding current and voltage range	MIG MMA TIG	15 A/10 V ... 500 A/47 V 15 A/10 V ... 500 A/47 V 15 A/1 V ... 500 A/47 V	15 A/10 V ... 500 A/50 V 15 A/10 V ... 500 A/50 V 15 A/1 V ... 500 A/50 V	15 A/10 V ... 500 A/50 V 15 A/10 V ... 500 A/50 V 15 A/1 V ... 500 A/50 V
Operating temperature range		-20...+40 °C	-20...+40 °C	-20...+40 °C
Storage temperature range		-40...+60 °C	-40...+60 °C	-40...+60 °C
EMC class		A	A	A
Degree of protection		IP23S	IP23S	IP23S
External dimensions L x W x H		750 x 263 x 456 mm	750 x 263 x 456 mm	750 x 263 x 456 mm
Weight without accessories		39.5 kg	39.5 kg	39.5 kg

X5 WIRE FEEDER	200	300	300HD
Gun connection	Euro	Euro	Euro
Wire feed mechanism	4-roll, single-motor	4-roll, single-motor	4-roll, single-motor
Diameter of feed rolls	32 mm	32 mm	32 mm
Filler wires	Fe 0.8 ... 1.6 mm Ss 0.8 ... 1.6 mm Mc/Fc 0.8 ... 2.0 mm Al 0.8 ... 2.4 mm	Fe 0.8 ... 2.0 mm Ss 0.8 ... 2.0 mm Mc/Fc 0.8 ... 2.4 mm Al 0.8 ... 2.4 mm	Fe 0.8 ... 2.0 mm Ss 0.8 ... 2.0 mm Mc/Fc 0.8 ... 2.4 mm Al 0.8 ... 2.4 mm
Wire feed speed	0.5 ... 25 m/min	0.5 ... 25 m/min	0.5 ... 25 m/min
Wire spool weight (max)	5 kg	20 kg	20 kg
Wire spool diameter (max)	200 mm	300 mm	300 mm
Operating temperature range	0.5 MPa	0.5 MPa	0.5 MPa
Feeder UI	-20...+40 °C	-20...+40 °C	-20...+40 °C
Storage temperature range	-40...+60 °C	-40...+60 °C	-40...+60 °C
EMC class	A	A	A
Degree of protection	IP23S	IP23S	IP23S
External dimensions LxWxH	565 x 218 x 339 mm	650 x 230 x 410 mm	670 x 240 x 465 mm
Weight without accessories	9.7 kg	10.9 kg	14.4 kg

Cooling units	X5 Cooler	X5 Cooler MV
Rated cooling power (at 1 l/min)	1,1 kW	1.0 kW
Recommended coolant	MGP 4456 (Kemppi mixture)	MGP 4456 (Kemppi mixture)
Tank volume	4 l	4 l
Operating temperature range (with recommended coolant)	-10...+40 °C	-10...+40 °C
Storage temperature range	-40...+60 °C	-40...+60 °C
EMC class	A	A
Degree of protection (when mounted)	IP23S	IP23S
Weight without accessories	14,3 kg	15,7 kg

Model configurations

X5 FastMig allows different system configurations for different applications. Any X5 power source and wire feeder model combination is possible and will enable you to weld, but the configuration guidelines presented in the table below need be followed to access all of the features of each configuration option.

X5 FastMig minimum configuration requirements for each system (Manual/Auto/Pulse).

	X5 FASTMIG MANUAL ⁽¹⁾	X5 FASTMIG AUTO ⁽²⁾	X5 FASTMIG PULSE ⁽³⁾
Wire feeder	X5 Wire Feeder 200 Manual	X5 Wire Feeder 300 AP	X5 Wire Feeder 300 AP
	X5 Wire Feeder 300 Manual	X5 Wire Feeder 300 APC	X5 Wire Feeder 300 APC
	X5 Wire Feeder HD300 M	X5 Wire Feeder HD300 AP	X5 Wire Feeder HD300 AP
		X5 Wire Feeder HD300 APC	X5 Wire Feeder HD300 APC
Power Source	X5 Power Source 400	X5 Power Source 400	X5 Power Source 400 Pulse
	X5 Power Source 500	X5 Power Source 500	X5 Power Source 400 Pulse+
			X5 Power Source 500 Pulse
			X5 Power Source 500 Pulse+
			X5 Power Source 400 MV Pulse+

¹⁾ X5 FastMig Manual equipment is intended for welding with manual controls.

²⁾ X5 FastMig Auto equipment additionally enables automatic 1-MIG welding with additional welding processes as an option.

³⁾ X5 FastMig Pulse equipment additionally enables automatic 1-MIG and pulse welding with additional welding processes as an option.

Ordering information

Power Sources	Ordering code
X5 Power Source 400	X5110400000
X5 Power Source 400 WP	X5110400010
X5 Power Source 500	X5110500000
X5 Power Source 500 WP	X5110500010
X5 Power Source 400 Pulse	X5130400000
X5 Power Source 400 Pulse WP	X5130400010
X5 Power Source 400 Pulse+	X5100400000
X5 Power Source 400 Pulse+ WP	X5100400010
X5 Power Source 400 MV Pulse+	X5100400100
X5 Power Source 400 MV Pulse+ WP	X5100400110
X5 Power Source 500 Pulse	X5130500000
X5 Power Source 500 Pulse WP	X5130500010
X5 Power Source 500 Pulse+	X5100500000
X5 Power Source 500 Pulse+ WP	X5100500010

Wire Feeders	Ordering code
X5 Wire Feeder 200 Manual	X5220200000
X5 Wire Feeder 300 Manual	X5220300000
X5 Wire Feeder 300 AP	X5240300000
X5 Wire Feeder 300 APC	X5250300000
X5 Wire Feeder HD300 M	X5260300000
X5 Wire Feeder HD300 AP	X5270300000
X5 Wire Feeder HD300 APC	X5280300000

Software	Ordering code
MAX Cool	MSM70000 (Product code for Master M) X570000 (Product code for X5 FastMig)
MAX Position	MSM90000 (Product code for Master M) X590000 (Product code for X5 FastMig)
MAX Speed	MSM80000 (Product code for Master M) X580000 (Product code for X5 FastMig)
WiseFusion	X5500001 (Product code for X5 FastMig) X8500000 (Product code for X8 MIG Welder) MSM40000 (Product code for Master M)
WisePenetration	X5500002 (Product code for X5 FastMig) X8500002 (Product code for X8 MIG Welder) MSM50000 (Product code for Master M)
WiseSteel	X5500000 (Product code for X5 FastMig) X8500001 (Product code for X8 MIG Welder) MSM60000 (Product code for Master M)
WiseRoot+	X8500003 (Product code for X8 MIG Welder) X5500003 (Product code for X5 FastMig)
WiseThin+	X8500004 (Product code for X8 MIG Welder) X5500004 (Product code for X5 FastMig)
WeldEye ArcVision	9990797
X5 Work Pack Pulse	X5520002
X5 Work Pack 1-MIG	X5520000
Welding Programs, X5 FastMig	Please contact your local Kemppi dealer or refer to Kemppi Software Hub.

Accessories	Item code
X5 Cooler	X5600000000
X5 Cooler MV	X5600000100
Flexlite GX - X5 FastMig	GX203G35 (3.5 m), GX203G5 (5 m) GX253G35 (3.5 m), GX253G5 (5 m) GX303G35 / GX303W35 (3.5 m), GX303G5 / GX303W5 (5 m) GX403G35 / GX403W35 (3.5 m), GX403G5 / GX403W5 (5 m) GX503W35 (3.5m), GX503W5 (5m) GX205G35 (3.5m), GX205G5 (5m) GX255G35 (3.5 m), GX255G5 (5 m) GX305G35 / GX305W35 (3.5 m), GX305G5 / GX305W5 (5 m) GX305GS6 (6 m), GX305GS8 (8 m) GX305WS6 (6 m) GX305GMN35 (3.5m), GX305GMN5 (5m) GX405G35 / GX405W35 (3.5 m), GX405G5 / GX405W5 (5 m) GX405WS6 (6 m), GX405WS8 (8 m) GX505W35 (3.5 m), GX505W5 (5 m) GX605W5 (5 m)
Flexlite TX - X5 FastMig	TX223GE4 (4 m) TX253WSE4 (4 m) TX353WE4 (4 m)
SuperSnake GTX - subfeeder (subfeeder)	<p>Packages</p> <p>SuperSnake GTX GAS 10m package, 50mm²: P400GTX SuperSnake GTX GAS 15m package, 50mm²: P401GTX SuperSnake GTX GAS 20m package, 50mm²: P402GTX SuperSnake GTX GAS 25m package, 50mm²: P403GTX SuperSnake GTX WATER 10m package, 50mm²: P404GTX SuperSnake GTX WATER 15m package, 50mm²: P405GTX SuperSnake GTX WATER 20m package, 50mm²: P406GTX SuperSnake GTX WATER 25m package, 50mm²: P407GTX SuperSnake GTX WATER 10m package, 70mm²: P408GTX All packages include SuperSnake GTX motor drive unit and frame (SGTXMDUPF01) and cable</p> <p>Other</p> <p>SuperSnake GTX motor drive unit: SGTXMDU01 SuperSnake GTX protection frame: SGTXPF01 SuperSnake GTX motor drive unit and frame: SGTXMDUPF01 SuperSnake Kit X5 Feeder: X5702030000</p> <p>Cables</p> <p>SuperSnake GTXG 10m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXG105CBL SuperSnake GTXG 15m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXG155CBL SuperSnake GTXG 20m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXG205CBL SuperSnake GTXG 25m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXG255CBL SuperSnake GTXW 10m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXW105CBL SuperSnake GTXW 15m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXW155CBL SuperSnake GTXW 20m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXW205CBL SuperSnake GTXW 25m cable, 50mm² (Std liner FE 1.0-1.6mm): SGTXW255CBL SuperSnake GTXW 10m cable, 70mm² (Std liner FE 1.0-1.6mm): SGTXW107CBL</p>

Ordering information

Accessories	Ordering code
GXR10 (Gun Remote)	GXR10
HR40 (Remote control)	HR40
X5 Gas Cylinder Cart	X5701020000
X5 Trolley Cart	X5701030000
X5 Wire Feeder Trolley	X5702020000
X5 Wire Feeder 2-wheel Trolley	X5702010000
X5 Accessory Tray	X5701040000
GH 20 Gun Holder	6256020
Wire Feeder Cabinet Heater	X8700010000
Wire Feeder Cabinet Heater, X5 200	SP021613
X5 Wire Feeder 200 Protection Frame	X5702080000
X5 Wire Feeder Rotating Plate	SP801116
X5 Double Wire Feeder Rotating Plate	X5702070000
X5 Wire Feeder Hanger for Boom	X5702040000
X5 Double Wire Feeder Hanger for Boom	X5702050000
X5 Wire Feeder Counterbalance Arm	X5702060000
X5 Wire Feeder Gun Support for Wire Feeder Trolley	X5702092000
X5 Wire Feeder HD300 Cabinet Heater	SP023363
X5 Wire Feeder HD300 Hanger for Boom	X5702041000
X5 Wire Feeder HD300 Protection Sliders with Gun Support	X5702091000
X5 Wire Feeder HD300 Rotameter Kit	SP024832
X5 Interconnection Cable 70-g (Gas cooled)	X57002MG X5 Interconnection Cable 70-g 2m X57005MG X5 Interconnection Cable 70-g 5m X57010MG X5 Interconnection Cable 70-g 10m X57020MG X5 Interconnection Cable 70-g 20m X57030MG X5 Interconnection Cable 70-g 30m
X5 Interconnection Cable 70-gV (Gas cooled, voltage sensing)	X57002MGV Interconnection Cable 70-gV 2m X57005MGV Interconnection Cable 70-gV 5m X57010MGV Interconnection Cable 70-gV 10m X57020MGV Interconnection Cable 70-gV 20m X57030MGV Interconnection Cable 70-gV 30m
X5 Interconnection Cable 70-w (Water cooled)	X57002MW X5 Interconnection Cable 70-w 2m X57005MW X5 Interconnection Cable 70-w 5m X57010MW X5 Interconnection Cable 70-w 10m X57020MW X5 Interconnection Cable 70-w 20m X57030MW X5 Interconnection Cable 70-w 30m
X5 Interconnection Cable 70-wV (Water cooled, voltage sensing)	X57002MWV X5 Interconnection Cable 70-wV 2m X57005MWV X5 Interconnection Cable 70-wV 5m X57010MWV X5 Interconnection Cable 70-wV 10m X57020MWV X5 Interconnection Cable 70-wV 20m X57030MWV X5 Interconnection Cable 70-wV 30m
X5 Interconnection Cable 95-gV (Gas cooled, voltage sensing)	X59502MGV (2m)
X5 Interconnection Cable 95-w (Water cooled)	X59502MW (2m)
X5 Interconnection Cable 95-wV (Water cooled, voltage sensing)	X59502MWV (2m)
Double Feeder Y-Cable	X570DF000

Accessories	Ordering code
Power Source Air Filter	SP016870 (10 PCS)
Wire Drum Kit	W012757 Wire Drum Kit (5m) W012758 Wire Drum Kit (10m) W012759 Wire Drum Kit (20m) W012760 Wire Drum Kit (27m)
Digital Connectivity Module	6265051
MMA Welding Cable, 50 mm ²	6184501 Welding Cable 50 mm ² (5 m) 618450101 Welding Cable 50 mm ² (5 m/MYK) 6184502 Welding Cable 50 mm ² (10 m) 6184503 Welding Cable 50 mm ² (15 m)
MMA Welding Cable, 70 mm ²	6184701 (5m)
MMA Welding Cable, 95 mm ²	6184901 (5m)
Earth Return Cable, 70 mm ²	6184711 Earth Cable 70 mm ² (5 m) 6184712 Earth Cable 70 mm ² (10 m) 6184713 Earth Cable 70 mm ² (15 m) 6184714 Earth Cable 70 mm ² (20 m)
Earth Return Cable, 95 mm ²	6184921 (5m)
X5 Remote Kit 5 m	X5RK5
X5 Remote Kit 10 m	X5RK10

X5 Gas Cylinder Cart



X5 Trolley Cart



X5 Wire Feeder Trolley

