

MASTER M

Extindeți experiența sudării





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Proiectat și produs în Finlanda, Master M este o serie de aparate de sudură MIG/MAG care optimizează performanța și utilitatea sudării industriale. Controlul digital al arcului, tehniciile de configurare rapidă și un raport excelent putere-greutate stabilesc standarde noi pentru calitatea sudării și eficiența muncii.

Alegeți dintre 3 modele de vârf în clasă (353, 355 sau 358), cu specificații Manual, Auto și Auto Pulse (modelele 355 și 358) alternative. Sudați cu pistolete răcite cu gaz sau selectați sistemul de răcire Master M optional pentru un pachet răcit cu lichid integrat, care maximizează utilizarea puterii de sudare la 350A, cu o durată activă de 40%.

Experimentați noi niveluri de productivitate și control ale sudării prin trecerea la procesele pentru performanța arcului MAX (optional la modelele Master M 355 și 358).

Includeți procese pentru performanța arcului MAX ca parte a pachetului de livrare sau ca parte a unei actualizări viitoare.

Porniți luminile de lucru cu LED pentru siguranță și confort. Sistemul integrat de lumini de lucru cu LED și încărcare automată este o dotare standard la toate modelele Master M. Această sursă utilă de iluminare operează cu sau fără de alimentare din rețea, ceea ce îmbunătățește siguranța și sporește productivitatea în condiții cu lumina slabă.

Ideal pentru utilizarea în ateliere sau pe șantier, Master M este fabricat din materiale plastice armate injectate, capabile să amortizeze lovitură și impacturi rezultate din activități obișnuite de sudare.

AVANTAJE PRINCIPALE



SPORIȚI PRODUCTIVITATEA

Procesele MAX și Wise pentru performanța arcului sporesc productivitatea, cresc viteza de sudare, prefecționează controlul băii de sudare și reduc aportul termic.



SETARE MAI RAPIDĂ

Cu până la 60% mai rapidă decât setarea manuală a parametrilor, Weld Assist este instrumental de ghidare pentru setarea rapidă a parametrilor. Selectați pur și simplu tipul îmbinării, poziția sudării și grosimea materialului și sunteți pregătiți pentru sudare.



LUCRAȚI MAI MULT

Modelul Master M compact și versatil furnizează o putere de sudură MIG/MAG de 350 A la o durată activă de 40%, la 40°C.

Standarde extinse pentru sudare de calitate



Master M 353

Procese MIG/MAG manuale și automate, plus DC TIG și MMA

- Afisaj LCD color
- Programe software de sudare Work Pack inclusiv pentru materiale precum Fe, Inox, Al, CuSi, CuAl
- Setare parametrii Weld Assist
- Lumini de lucru cu LED
- 6 canale de memorie
- Powerlog
- Butoane pentru testarea gazului și pentru avansul sârmei
- Frână cinetică pentru bobină
- Casetă iluminată
- Calibrare automată
- Port USB
- Siguranță la ridicare
- Blocare cu PIN
- Ciclu al arcului

Master M 355

Procese MIG/MAG Manual, Auto și Auto Puls, plus DC TIG și MMA

- Afisaj LCD color
- Programe software de sudare Work Pack, inclusiv pentru materiale precum Fe, Inox, Al, CuSi, CuAl
- Setare parametrii Weld Assist
- Proces de performanță a arcului WiseFusion
- Lumini de lucru cu LED
- 6 canale de memorie
- Powerlog
- Protecție pentru gaz și supapă pentru reglarea gazului
- Butoane pentru testarea gazului și pentru avansul sârmei
- Frână cinetică pentru bobină
- Casetă iluminată
- Calibrare automată
- Port USB
- Siguranță la ridicare
- Blocare cu PIN
- Ciclu al arcului

Master M 358

Procese MIG/MAG Manual, Auto și Auto Puls, plus DC TIG și MMA

- Afisaj TFT
- Conectivitate digitată integrată
- Programe software de sudare Work Pack care include materiale Fe, Inox, Al, CuSi, CuAl
- Setare parametrii meniu Weld Assist
- Proces de performanță a arcului WiseFusion
- Lumini de lucru LED
- 100 canale de memorie
- Powerlog
- Protecție pentru gaz și rotometru pentru debitul gazului
- Butoane pentru testarea gazului și pentru avansul sârmei
- Frână cinetică pentru bobină
- Casetă iluminată
- Calibrarea automată
- Siguranță la ridicare

OPȚIUNI

- Master M cooler
- GXR10 Gun remote control
- SuperSnake GTX subfeeder
- Gas flow rotameter
- Alternative 2 and 4 wheel transport carts
- Cabinet heater
- Air filter

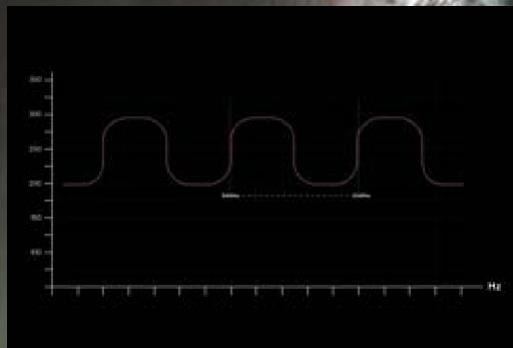
- Master M cooler
- GXR10 Gun remote control
- SuperSnake GTX subfeeder
- Gas flow rotameter
- Alternative 2 and 4 wheel transport carts
- Industry 4.0 compatible with WeldEye Digital Connectivity Module (DCM)
- Cabinet heater
- Air filter
- MAX Cool, MAX Position, MAX Speed arc performance processes

- Master M cooler
- Digital WPS
- GXR10 Gun remote control
- SuperSnake GTX subfeeder
- Alternative 2 and 4 wheel transport carts
- Material specific software packages
- Industry 4.0 native connectivity including WeldEye ArcVision and digital WPS (dWPS)
- Cabinet heater
- Air filter
- MAX and Wise arc performance processes

Make the seemingly impossible, possible

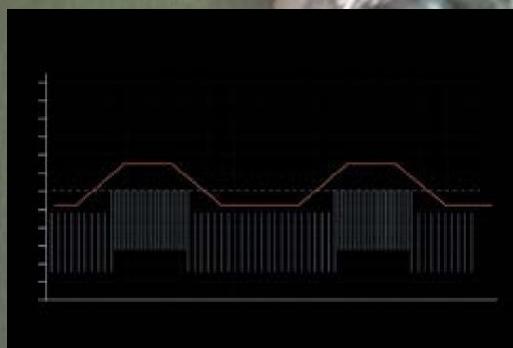


For challenging welding applications and demanding production targets, new MAX arc performance processes offer increased welding travel speed, improved weld pool control and lower heat input, without the need for an additional measurement cable. The new MAX processes join the already successful Wise modified arc processes and collectively make the seemingly impossible, possible.



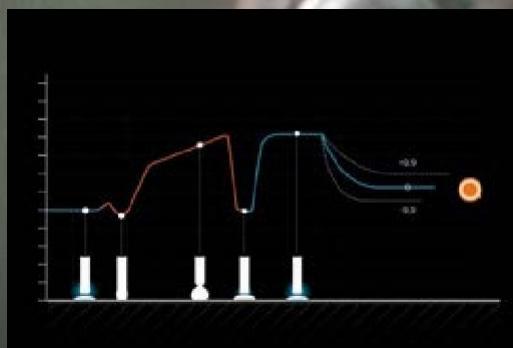
MAX SPEED

MAX Speed increases welding travel speed by up to 70%* compared to traditional pulse or spray arc processes. MAX Speed produces clean, high-quality weld seams, effectively reducing labor time and welding costs. MAX Speed is designed for steel and stainless steel welding applications in the PA and PB positions.



MAX POSITION

MAX Position helps to manage the gravitational effects on a molten weld pool. Improving control and confidence when working in position, MAX Position is excellent when filling and capping in steel, stainless steel and aluminum applications in the PF position.



MAX COOL

MAX Cool lowers heat input by up to 32%, improving control where excessive temperatures negatively impact weld pool stability and increase joint distortion. MAX Cool is ideal for a variety of applications, including thin sheet fabrication, root welding, gap bridging and joining thin extruded sections in solid Fe, Ss, CuAl₈ and CuSi₃ filler materials.



See more information about arc performance processes

› kemp.cc/special-processes/com

* Maximum travel speeds measured in automated and semi-automated Ss applications. Speed reductions apply in manual welding applications and Fe material.

Extend possibilities



WORK PACK SOFTWARE

Standard welding software includes 0.8mm, 0.9mm, 1.0mm, 1.2mm diameter filler wires, Fe, Fe metal, Fe rutile, Ss rutile, Ss, AlMg5, AlSi5, CuSi3, CuAl8. Master M 355 and 358 models accept optional welding software.



MASTER M COOLER

Keeps your welding gun cool and the arc conditions smooth and stable. The cooler tank is easy to clean and has integrated LED lighting, so you can monitor the cooling liquid level and make routine maintenance easy.



WELD ASSIST

Weld Assist is a guidance tool for faster setup. Simply select the joint type, welding position and material thickness and you're ready to weld. An excellent instructive and educational tool, Weld Assist parameters can also be adjusted manually for individual preference.



SUPERSNAKE GTX

Extend the reach of your welding gun with the compact SuperSnake GTX subfeeder which includes digital metering, a safety lock ON/OFF switch and a strong protective frame.



WORK LIGHTS

Improve work efficiency and safety with or without mains power connected. LED lighting is also included in the wire feed cabinet.





SAFE-TO-LIFT DESIGN

When using suitable lifting equipment Master M can be lifted by the handle, ensuring safe lifting and easy movement on site.



POWERLOG

Powerlog trigger logic allows three alternative power levels during welding. Use a standard gun trigger to select the power level required for the job.



GAS GUARD

Prevents welding if the shielding gas supply is interrupted or is not connected. Gas guard is a standard feature on 355 and 358 models.



AUTOMATIC CALIBRATION

Auto cable calibration measures the welding circuit resistance and calibrates the digital meters, ensuring that the arc voltage value displayed matches accurately the voltage of the welding arc. Critical for accurate WPS compliance.



DIGITAL WIRELESS CONNECTIVITY

Transfer and analyse your welding data using Kemppi welding management support tools. Master M 358 includes a FREE 3 months' trial licence for WeldEye ArcVision. Digital WPS (dWPS) is optional feature for Master M 358.



SuperSnake GTX

Distance and access solution

Extending the reach of standard Euro-connected MIG welding guns, SuperSnake GTX provides a simple and effective distance wire feeding solution for a variety of filler wires.

SuperSnake GTX easily reaches the welding targets not accessible with basic welding equipment.

Excellent for customers welding in large site environments, where equipment movement, reach and access present significant challenges.

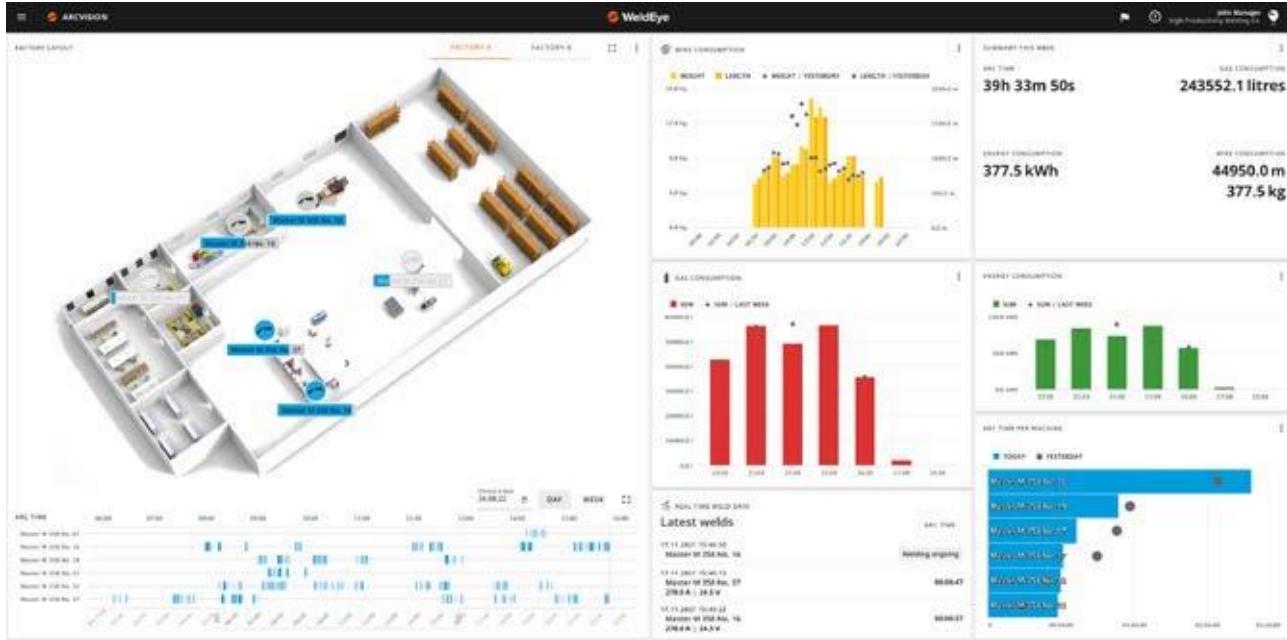
For the recommended SuperSnake model, and guidance for your welding application and selected welding process, first check the Master M user manual.



More information
about SuperSnake
subfeeder:

› [kemp.cc/
supersnake/com](http://kemp.cc/supersnake/com)





Even a simple solution for monitoring welding productivity can bring significant benefits for most companies and improve workflow planning.

WeldEye ArcVision

Gain insight into arc-on time and welding parameters

WeldEye ArcVision is an integrated Industry 4.0 solution that tracks and records arc-on time and welding parameters for better insight into welding production. Raw data is collected digitally from connected welding stations and uploaded wirelessly* to WeldEye ArcVision. The data is then visualized into clear tables and graphs that can be filtered based on different needs and viewed conveniently from your laptop's web browser.



TRY FOR
FREE

3 MONTH TRIAL
LICENSE

Activate your free three-month trial license of WeldEye ArcVision with no obligation. The trial license also includes WeldEye's Welding Procedures module, allowing you to test the digital WPS (dWPS) feature with Master M.

*Master M 358



More about WeldEye:
weldeye.com



Do you know how your welding machines are being used?

WeldEye ArcVision collects data automatically from all connected welding stations without additional actions from machine users:

- arc-on time per hour, day, week, or month
- welding parameters (A; V)
- filler wire usage (kg)
- energy consumption (kWh)

Clear visualizations make production analysis straightforward:

- welding station specific data with latest welds
- arc-on time comparison views
- real-time use of welding machines on workshop layout
- machine specific information, e.g. setup, software versions
- main view customization options with widgets

Technical specifications

FEATURE		MASTER M G	MASTER M GM
Mains connection voltage 3~ 50/60 Hz		380 - 460 V ± 10 %	380 - 460 V ±10 % 220 - 230 V ±10 %
	40% [380 - 460 V] 40% [220 -230 V]	350 A (MMA 330 A)	350 A (MMA 330 A) 300 A (MMA 280 A)
	60% [380 - 460 V] 60% [220 -230 V]	280 A	280 A 240 A
Output at +40 °C	100% [380 - 460 V] 100% [220 -230 V]	220 A	220 A 190 A
	MIG [380 - 460 V] MIG [220 -230 V]	15 A/10 V - 350 A/ 45 V	15 A/10 V - 350 A/ 45 V 15 A/10 V - 300 A/ 40 V
	MMA [380 - 460 V] MMA [220 -230 V]	15 A/10 V - 330 A/ 45 V	15 A/10 V - 330 A/ 45 V 15 A/10 V - 300 A/ 40 V
Welding current and voltage range	TIG [380 - 460 V] TIG [220 -230 V]	15 A/1 V - 350 A/ 45 V	15 A/1 V - 350 A/ 45 V 15 A/1 V - 300 A/ 40 V
Gun connection		Euro	Euro
Wire feed mechanism		4-roll, single-motor	4-roll, single-motor
Diameter of feed rolls		32 mm	32 mm
	Fe	0.8 - 1.2 mm	0.8 - 1.2 mm
	Ss	0.8 - 1.2 mm	0.8 - 1.2 mm
	Mc/Fc	0.8 - 1.2 mm	0.8 - 1.2 mm
Filler wires	Al	0.8 - 1.2 mm	0.8 - 1.2 mm
Wire feed speed		0.5 - 25 m/min	0.5 - 25 m/min
Wire spool weight (max)		20 kg	20 kg
Wire spool diameter (max)		300 mm	300 mm
Shielding gas pressure (max)		0.5 MPa	0.5 MPa
Operating temperature range		-20...+40 °C	-20...+40 °C
Storage temperature range		-40...+60 °C	-40...+60 °C
EMC class		A	A
Degree of protection		IP23S	IP23S
External dimensions LxWxH		602 x 298 x 447 mm	602 x 298 x 447 mm
Weight without accessories		27 kg	27 kg
Recommended generator power (min)	400V	20 kVA	20 kVA
Standards		IEC 60974-1, -10	IEC 60974-1, -10

FEATURE	MASTER M COOLER	MASTER M COOLER MV
Cooling power at 1 l/min	1.0 kW	1.0 kW
Recommended coolant	MGP 4456 (Kemppi mixture)	MGP 4456 (Kemppi mixture)
Tank volume	3 l	3 l
Operating temperature range with recommended coolant	-20...+40 °C	-20...+40 °C
Storage temperature range	-40...+60 °C	-40...+60 °C
EMC class	A	A
Degree of protection (when mounted)	IP23S	IP23S
External dimensions LxWxH	635 x 305 x 292	635 x 305 x 292
Weight without accessories	14,9 kg	14,9 kg
Standards	IEC 60974-2, -10	IEC 60974-2, -10

Product codes

MODEL DESCRIPTION	ITEM CODE
Master M 353 G	MSM353G
Master M 353 GM	MSM353GM
Master M 355 G	MSM355G
Master M 355 GM	MSM355GM
Master M 358 G	MSM358G
Master M 358 GM	MSM358GM
Master M COOLER	MSMC1KW
Master M COOLER MULTI VOLTAGE	MSMC1KWM
T35A TWO WHEEL TRAVEL CART NO CYLINDER	T35A
T25MT TWO WHEEL CART INTERMEDIATE CYLINDER	T25MT
P45MT FOUR WHEEL CART LARGE CYLINDER	P45MT
P43MT FOUR WHEEL CART NO CYCLINDER	P43MT
CABINET HEATER KIT	SP021614
ROTA METER GAS FLOW REGUALTION KIT	SP801136
SUPERSNAKE KIT	SP023803
Master M POWER SOURCE FILTER KIT	SP023312
MMA EURO CONNECTOR 500A	SP801140
HR40 TWO KNOB WIRED HAND REMOTE CONTROL	HR40
GXR10 GUN REMOTE CONTROL	GXR10
MSM MAX Speed	MSM80000
MSM MAX Cool	MSM70000
MSM MAX Position	MSM90000
MSM WiseFusion	MSM40000
MSM WisePenetration	MSM50000
MSM WiseSteel	MSM60000
Note: Power source packages include Gas Hose and Earth Return Lead	

Manual

Master M userdoc

› kemp.cc/masterm/manuals



Product codes

Master M product codes

› kemp.cc/masterm/product-codes



3 years warranty

Finalize your warranty registration

› kemp.cc/warranty/com





Designed for welders

Forerunner in arc welding.

Kemppi is the design leader of the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 178 MEUR.

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