

# Master MLS

PREMIUM MMA WELDING QUALITY





## Master MLS



### PREMIUM MMA WELDING QUALITY

Master MLS machines offer the best choice in MMA welding refinement. Combine either the 250 or 350 amp power source with the basic MEL or advanced MEX control panels for outstanding welding performance. High 40 % duty cycle ensures you have the work capacity to get the job done; whilst the compact and lightweight design makes work around site easy.

Control panel options MEL and MEX include all of the necessary parameter functions for high quality MMA welding. MEL panel includes process selection for MMA or basic TIG welding, large, clear meter display, hot start and arc force control, plus remote control function. MEX panel offers a more diverse selection of parameter controls including: Electronic electrode type selector, arc gouging, or broken arc welding technique and memory channel function. High quality TouchArc function provides a credible DC TIG welding facility.



## KEY BENEFITS



### EXCELLENT ARC CONTROL

Due to intelligent features



### CONTROL PANEL OPTIONS

Allow customization to your  
specific needs

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## BENEFITS

- Specific design for MMA welding
- Compact and portable
- Control panel choice for varied applications
- Designed for all electrode types
- MMA and TIG welding function
- Suitable for use with power generators



## PRODUCT OPTIONS



### Master MLS 3500

Master MLS™ 3500 is an efficient 3-phase welding machine equipped with versatile functions for MMA and DC LIFT TIG welding. The compact structure and efficient cooling system make it suitable for use on work sites and extreme industrial conditions. This model is a 350 A version.



### Master MLS™ 2500

Master MLS™ 2500 is an efficient 3-phase welding machine equipped with versatile functions for MMA and DC LIFT TIG welding. The compact structure and efficient cooling system make it suitable for use on work sites and extreme industrial conditions. This model is a 250 A version.



### Master MLS™ 3500 VRD

Master MLS 3500 VRD is equipped with Voltage Reduction Device, meeting specific market needs. The compact structure and efficient cooling system make it suitable for use on work sites and extreme industrial conditions. This model is a 350 A version.

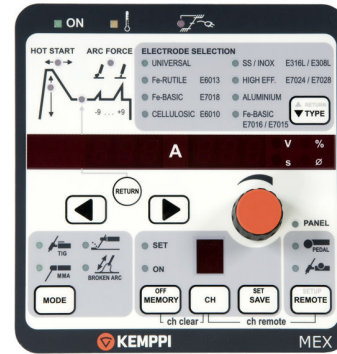


## FEATURES



### Master MLS panel MEL

MEL panel includes process selection for MMA or basic TIG welding, large, clear meter display, hot start and arc force control plus remote control function.



### Master MLS panel MEX

MEX panel offers a diverse selection of parameter controls including: Electronic electrode type selector, arc gouging, or broken arc welding technique and memory channel function. High quality TouchArc function provides a credible DC TIG welding facility.



## ACCESSORIES



Welding cable 5 m 35 mm<sup>2</sup>



Welding cable 5 m 50 mm<sup>2</sup>



Earth return cable 5 m, 35 mm<sup>2</sup>



Earth return cable 5 m, 50 mm<sup>2</sup>



Electric plug 16 A



Electric plug 32 A



Electrode holders



Remote control R10

Suitable for use with Kemppi MIG, TIG, and stick (MMA) welding equipment. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



Remote control R11T

Suitable for use with Kemppi MasterTig MLS, Master MLS, and Master S welding equipment.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.



### T110

Suitable for Master MLS 2500 & 3500, MasterTig MLS 2000, MasterTig MLS 3000 & 4000, MasterTig MLS 2300, 3000, 3003ACDC (no water cooling unit), and MasterTig LT 250. T110 is a 2-wheel transport unit that is recommended for smaller gas bottle sizes.



### T130

Suitable for Master MLS 2500 & 3500, MasterTig MLS 2000, MasterTig MLS 3000 & 4000, MasterTig MLS 3000, 4000 & MasterCool 10, MasterTig MLS 2300, 3000, 3003ACDC, and MasterTig LT 250. The T130 is a 2-wheel transport unit suitable for mid-size and large gas bottle sizes.



## TECHNICAL SPECIFICATIONS

### Master MLS 3500

Product code	Master MLS™ 3500 - 6104350 Master MLS™ 3500 VRD - 6104350C1 Master MLS™ 2500 - 6104250
Connection voltage 3~ 50/60 Hz	400V -15...+20 %
Fuse (delayed)	16 A
Output (TIG) 40% ED	400 A/26.0 V
Output (MMA) 40% ED	350 A/34.0 V
Output (MMA) 60% ED	285 A/31.4 V
Output (MMA) 100% ED	220 A/28.8 V
Open circuit voltage	80 V
Stick electrode sizes	1.5...6.0 mm
Welding range (MMA)	10 A/20.5 V...350 A/34.0 V
Welding range (TIG)	5 A/10.0 V...400 A/26.0 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	500 × 180 × 390 mm
Weight (no accessories)	21 kg
Degree of protection	IP23S

### Master MLS™ 2500

Product code	6104250
Connection voltage 3~ 50/60 Hz	400V (-15...+20%)
Fuse (delayed)	10 A
Output (TIG) 40% ED	300 A/22.0 V
Output (MMA) 40% ED	250 A/30.0 V
Output (MMA) 60% ED	205 A/28.2 V
Output (MMA) 100% ED	160 A/26.4 V
Open circuit voltage	80 V
Stick electrode sizes	1.5...5.0 mm
Welding range (MMA)	10 A/20.5 V...250 A/30.0 V
Welding range (TIG)	5 A/10.0 V...300 A/22.0 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	500 × 180 × 390 mm
Weight (no accessories)	20 kg
Degree of protection	IP23S





## Master MLS™ 3500 VRD

Product code	6104350C1
Connection voltage 3~ 50/60 Hz	400V -15...+20 %
Fuse (delayed)	16 A
Output (TIG) 40% ED	400 A/26.0 V
Output (MMA) 40% ED	350 A/34.0 V
Output (MMA) 60% ED	285 A/31.4 V
Output (MMA) 100% ED	220 A/28.8 V
Open circuit voltage	80 V
Stick electrode sizes	1.5...6.0 mm
Welding range (MMA)	10 A/20.5 V...350 A/34.0 V
Welding range (TIG)	5 A/10.0 V...400 A/26.0 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	500 × 180 × 390 mm
Weight (no accessories)	21 kg
Degree of protection	IP23S

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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.

