



WME_m MIG 401 CC/CV

WME_m MIG 501 CC/CV

multi-process welding machines



**REM
POWER**
Rheinland Elektro Maschinen

MULTI-PROCESS

USER-FRIENDLY

DURABLE

The inverter power source WME_m 401/501 CC/CV Multimatic is the solution for Industrial Multi-process applications. With modular and compact design this welding set is easy to move around site. Transport is trouble free thanks to the lower weight of this new design.

With the latest high frequency inverter technology, the arc is precisely controlled, many times faster than conventional analogue power sources. The electrical characteristics of the welding power can be changed by software in real time updates. A wide range of synergic programs are available as standard allowing simple yet precise control of welding parameters for the best results every time.

WME_m 401/501 CC/CV Multimatic inverters utilise the very latest power source technology for efficiency and lower energy consumption. Their advanced Inverter technology will save both time as well as energy. These welding sets are available as 400A or 500A rated at 60% duty cycle (at 40°C). With the WFE_m 4i wire feed unit the welding set can support the MIG processes with synergic programs for Steel, Stainless Steel, Aluminium and Flux cored wires. Arc Gouging, Lift TIG and Stick functions are available as standard.

USAGE

- ◆ Automotive
- ◆ Transportation
- ◆ Ship building
- ◆ Aerospace industry
- ◆ Nuclear
- ◆ General manufacturing
- ◆ Pressure vessels
- ◆ Heavy fabrication



WME_m MIG 401 CC/CV RACK

WME_m MIG 501 CC/CV RACK

FEATURES

RELIABLE INVERTER POWER SOURCE

- ◆ Adjustable arc force control (MMA)
- ◆ Adjustable hot start control (MMA)
- ◆ Trigger hold function 2T / 4T
- ◆ Infinite voltage control
- ◆ Adjustable inductance
- ◆ Gas pre and post-flow time adjustment
- ◆ Lift TIG arc starts

MULTI-PROCESS WELDING

- ◆ MIG
- ◆ FLUX-CORED
- ◆ DC STICK
- ◆ DC TIG
- ◆ ARC GOUGING

MULTI-MATERIAL

- ◆ Steel with C25 and C100 gases
- ◆ Stainless steel
- ◆ Aluminium and al-alloys
- ◆ MIG brazing

HEAVY-DUTY

- ◆ 4 roller wire mechanism
- ◆ Industrial cast aluminium drive
- ◆ No-hassle tool-less design
- ◆ Heavy-duty high capacity trolley



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TROLLEY



WIRE FEEDER

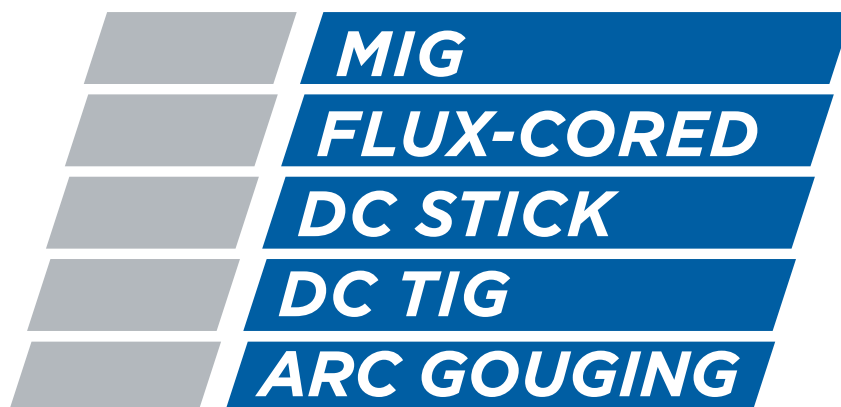
POWER SOURCE

TOOL BOX / COOLING UNIT





SUPPORTED WELDING PROCESSES



KEY FEATURES

- ◆ Premium welding behaviour - on CV MIG & Stick welding
- ◆ Variable inductance control
- ◆ Synergic capability
- ◆ Job control - with limits secured by a password.
- ◆ Continuous control of wire feed speed and voltage.

- ◆ Easy-to-assemble cooling unit for high current water-cooled applications
- ◆ Easy-to-assemble trolley and wheel kits



TECHNICAL DATA

MODEL	WMem MIG 401	WMem MIG 501
<i>Frequency (Hz)</i>	50/60	50/60
<i>Setting range (A)</i>	15-400	15-500
Output max at 60% duty cycle, (MIG)	400 A/34,0 V	500 A/39,0 V
Output max at 100% duty cycle, (MIG)	271 A/27,6 V	387 A/33,4 V
<i>Output max at 60% duty cycle, (MMA)</i>	350 A/34,0 V	490 A/39,6 V
<i>Output max at 100% duty cycle, (MMA)</i>	271 A/30,8 V	380 A/35,2 V
<i>Output max at 60% duty cycle, (TIG)</i>	350 A/24,0 V	490 A/29,6 V
<i>Output max at 100% duty cycle, (TIG)</i>	271 A/20,8 V	380 A/25,2 V
<i>Open circuit voltage (V)</i>	65 V	65 V
<i>Electrode diameter (mm)</i>	1,6-4,0	1,6-4,0

STANDARD ACCESORIES

MODEL	WMem MIG 401	WMem MIG 501
MIG TORCH	3 m	3 m
CLAMP	Ø7	Ø7
GAS HOSE	Ø5.5 x 8 (0.75m)	Ø5.5 x 8 (0.75m)
RETURN CABLE	3 m	3 m



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