

# MasterTig MLS 3000/4000

Some tools simply feel better to use than others



- DC TIG and MMA power output
- Compact size ensures effortless mobility
- Excellent ignition quality, even with long TIG torches
- Quick pulse function increases welding speed and quality
- Suitable for use with power generators

## Applications

- Installation and site work
- Repair and maintenance
- Thin sheet metal fabrication workshops
- Chemical and power industry

## DC equipment for industrial applications

**MasterTig MLS DC range has become an industry standard for many users,** offering precise welding performance and lightweight, portable design. A popular choice for welding professionals, options include 300 and 400 amp power sources with 30% duty cycle at maximum output current.

**Choose from four control panel options,** allowing you to select exactly the parameter control that's right for your welding application.

**MTL/MTX/MTM/MTZ control panel options contain basic and specialist functions** required for quality DC TIG and MMA welding. Features can include: HF or contact ignition, pre-gas and post-gas control, torch switch latching 2T/4T, remote control and setup options, welding current upslope and downslope timer, MMA ignition pulse, MMA arc dynamics, pulse and synergic pulse TIG, spot timer, 4T log and memory channel function.

This model is compatible with TTC torches only, please see the full available range of TIG torches on pages 86 – 89. Available remote control models are on page 120.

## Technical specifications

MasterTig MLS™		3000	4000
Connection voltage	3~ 50/60 Hz	380-440V ±10%	380-440V ±10%
Rated power at 100 % ED	TIG	8.4 kVA	13.8 kVA
	MMA	9.4 kVA	15 kVA
Fuse, delayed		10 A	16 A
Output 40 °C	30 % ED TIG	300 A/22 V	400 A/26 V
	60 % ED TIG	230 A/19.2 V	320 A/22.8 V
	100 % ED TIG	200 A/18 V	270 A/20.8 V
	40 % ED MMA	250 A/30 V	350 A/34 V
	60 % ED MMA	205 A/28.2 V	285 A/31.4 V
	100 % ED MMA	160 A/26.4 V	220 A/28.8 V
Welding range	TIG	5 A/10 V ...300 A/22 V	5 A/10 V...400 A/26 V
	MMA	10 A/20.5 V...250 A/30 V	10 A/20.5 V ...350 A/34 V
Open circuit voltage		80 V DC	80 V DC
Power factor at 100% ED		0.95	0.95
Efficiency at 100% ED		86 %	86 %
Stick electrode	∅	1.5...5.0 mm	1.5...6.0 mm
External dimensions	L x W x H	500 x 180 x 390 mm	500 x 180 x 390 mm
Weight		22 kg	23 kg

### MasterCool 10

Connection voltage	50/60 Hz	400 V (-15...+20 %)
		230 V (-15...+10 %)
Cooling power	100 % ED	1.0 kW
Rated power	100 % ED	250 W
External dimensions	L x W x H	500 x 180 x 260 mm
Weight		10 kg

## Ordering information

### Power Sources

MasterTig 3000 MLS	6114300
MasterTig 3000 MLS VRD	6114300VRD
MasterTig 4000 MLS	6114400
MasterTig 4000 MLS VRD	6114400VRD

### Cooling units

MasterCool 10	6122350
---------------	---------

### Control panels

MTL	6116000
MTX	6116005
MTM	6116010
MTZ	6116015

### Transport units

T 100	6185250
T 130	6185222
T 200	6185258

## MasterTig MLS options



MTL



MTX



MTZ



MTM



MasterTig MLS equipment is lightweight and portable for site use, but delivers high welding current and duty cycle.