

MASTERTIG MLS™ 3000/3003 ACDC

Multiply skilled **masters of TIG welding**

The three-phase Kemppi MasterTig MLS ACDC machines give versatile features and adjustability to demanding TIG welding applications



A welding machine for many uses

The digitally controlled MasterTig MLS ACDC is ideal for manual and mechanized welding. Its finalized technology and usability represent the state of the art in ACDC TIG welding solutions.

Comprehensive adjustability

The two control panel alternatives provide versatile adjustment options, with which you can adjust the weld shape and penetration as well as the characteristics of the arc.

More speed and quality with MicroTack™

Kemppi's MicroTack technology allows you to tack weld even very thin materials before the actual welding. Thanks to its low heat input, you avoid deformations, and the result will be clean and neat.

Manageability with MIX TIG

MIX TIG welding combines the benefits of direct and alternating current. It makes it easy to weld together materials of different thicknesses.

Finalized welding arc

MasterTig MLS ACDC machines have arc characteristics that have been tailored specifically for welding aluminium and stainless steel. The versatile adjustments and additional features make it also an excellent solution for all TIG welding in installation, mounting, industrial use and mechanized welding.

MasterTig MLS™ 3000/3003 ACDC – Technical Specifications

	MLS™ 3000 ACDC	MLS™ 3003 ACDC
Connection voltage	3~400 V -10 %...+10 %, 50/60 Hz	3~230 V -10 % ... 460 V +10 %, 50/60 Hz
Load capacity	TIG 300 A 13.3 kVA (40% ED), 190 A 7.9 kVA (100% ED) MMA 250 A 14.4 kVA (40% ED), 190 A 11,0 kVA (100% ED)	300 A 9.2 kVA (40% ED), 190 A 4.8 kVA (100% ED) 250 A 10.0 kVA (40% ED), 190 A 7.0 kVA (100% ED)
Open circuit voltage	63 V	58 V (<35 V VRD)
Welding range	TIG 3 A / 10.0 V...300 A / 22 V MMA 10 A / 20.5 V...250 A / 30 V	3 A / 10.0 V...300 A / 22 V 10 A / 20.5 V...250 A / 30 V
Dimensions	L x W x H 500 x 180 x 390 mm	500 x 180 x 390 mm
Weight	23 kg	25 kg

MASTERTIG MLS™ 3000/3003 ACDC – Ordering information

Power source

MasterTig MLS™ 3000 ACDC	6163000
MasterTig MLS™ 3003 ACDC	6163003

Cooling device

Mastercool 30	6163900
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Control panels

ACS	6162805
ACX	6162804

TIG torch controls

RTC 10	6185477
RTC 20	6185478

Remote control

R 10	6185409
R11F	6185407

Torches

TTC 160, 4 m	627016004
TTC 160, 8 m	627016008
TTC 160, 16 m	627016016
TTC 220 4 m	627022004
TTC 220, 8 m	627022008
TTC 220, 16 m	627022016

Water-cooled torches

TTC 200W, 4 m	627020504
TTC 200W, 8 m	627020508
TTC 200W, 16 m	627020516
TTC 250W, 4 m	627025504
TTC 250W, 8 m	627025508
TTC 250W, 16 m	627025516

Cables

Welding cable, 16 mm ² 5 m	6184103
Welding cable, 25 mm ² 5 m	6184201
Welding cable, 25 mm ² 10 m	6184202
Welding cable, 35 mm ² 5 m	6184301
Earthing cable, 16 mm ² 5 m	6184113
Earthing cable, 25 mm ² 5 m	6184211
Earthing cable, 25 mm ² 10 m	6184212
Earthing cable, 35 mm ² 5 m	6184311

Transport units

T130	6185222
T110	6185251
T100	6185250
T200	6185258

For more information, see Kemppi international website at www.kemppi.com.