



# MASTER YOUR CRAFT WITH MASTER T

Master T series are premium TIG welding machines for professional AC and DC TIG welding. Delivering exceptional weld quality, precision and energy efficiency, specified MASTER T models also include advanced features like MAX WeldClean and DeMagnetization mode, boosting productivity and ensuring consistent return on investment.



# MASTER OF AC AND DC TIG WELDING

## Professional's number one choice for TIG welding

Master T sets the benchmark for weld quality, usability and energy efficiency in professional AC and DC TIG welding. Designed for welders that demand precision, Master T combines advanced welding performance with durability and ergonomics to excel in any application. Available in power variants up to 500 A, Master T delivers smooth and reliable arc ignition, reduced noise level and enhanced arc control, ensuring consistent, high-quality results from start to finish. Weld Assist technology speeds parameter setups, helping every welder establish benchmark settings by joint type, joint position and material thickness.

## MAX WeldClean & DeMagnetization processes

Master T ACDC models are equipped as standard with two industry-leading features:

### MAX WeldClean mode

Use Master T ACDC in MAX WeldClean mode and electrolytically clean your welds perfectly, without the need for extra equipment.

### DeMagnetization mode

Use Master T ACDC in Degaussing mode and eliminate residual magnetic fields in a workpiece, improving arc stability and directional arc control.

Watch the feature video





## Precision from start to finish

Smooth arc ignition allows great control, precision and efficiency. Weld Assist guides every user to faster weld parameter set-up, and lower noise levels help you maintain focus throughout your welding day.



## Powerful performance

Value based specifications combine powerful welding capability with additional performance features like Pulse, MicroTack and AutoCool technology, influencing improved welding control, quality, speed and energy efficiency.



## Productivity innovations

Master T ACDC models include unique performance modes: MAX WeldClean establishes Master T as a powerful electrolytic weld cleaner, and DeMagnetization mode eliminates remnant magnetic fields within a workpiece.

# MAIN FEATURES

- DC & ACDC 1ph and 3ph models
- Gas or liquid cooled configuration
- Alternative control display options
- 7-inch premium display specification includes WeldAssist, guiding every welder towards accurate and productive welding, including joint type and welding position selections.
- ACDC models fitted with 7-inch display include MAX WeldCool and DeMagnetization processes
- Optional foot operated, hand or on-torch remote controls
- Two- and four-wheel transport units include floor level cylinder loading
- Wide range of Flexlite TX TIG torches
- Optional WeldEye cloud service for quality welding management
- Designed and manufactured in Finland
- 3 year warranty

# MASTER T

Feature	MASTER T 245 ACDC GM	MASTER T 355 ACDC GM	MASTER T 355 DC GM
Mains connection voltage	220...240 V $\pm 10$ %	380...460 V $\pm 10$ %	380...460 V $\pm 10$ %
Mains connection voltage (MV low range)	110...120 V $\pm 10$ %	220...230 V $\pm 10$ %	220...230 V $\pm 10$ %
Mains connection phases	1~50/60 Hz	3~50/60 Hz	3~50/60 Hz
Output, duty cycle % at rated max. current, TIG	30 %	30 %	30 %
Output at +40 °C, rated max. current, TIG	240 A	350 A	350 A
Output, duty cycle % at rated max. current, TIG (@MV low range)	40 %	40 %	40 %
Output at +40 °C, rated max. current, TIG (@MV low range)	130 A	300 A	300 A
Output range, TIG	5 A / 1 V ... 240 A / 30 V	5 A / 1 V ... 350 A / 38 V	5 A / 1 V ... 350 A / 38 V
Output range, MMA	10 A / 10 V ... 180 A / 40 V	10 A / 10 V ... 270 A / 39 V	10 A / 10 V ... 270 A / 39 V
Operating temperature	-20 ... 40 °C	-20 ... 40 °C	-20 ... 40 °C
EMC class	A	A	A
Degree of protection (fully installed)	IP23	IP23	IP23
Dimensions (L x W x H)	544 mm x 205 mm x 443 mm	544 mm x 205 mm x 443 mm	544 mm x 205 mm x 443 mm
Weight without accessories	19,1 kg	21,5 kg	21,5 kg
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1
Item code	MST245ACDCGM	MST355DCGM	MST355DCGM

Feature	MASTER T 405 DC G	MASTER T 505 ACDC GM
Mains connection voltage	380...460 V $\pm 10$ %	380...460 V $\pm 10$ %
Mains connection voltage (MV low range)		220...230 V $\pm 10$ %
Mains connection phases	3~50/60 Hz	3~50/60 Hz
Output, duty cycle % at rated max. current, TIG	30 %	30 %
Output at +40 °C, rated max. current, TIG	400 A	500 A
Output, duty cycle % at rated max. current, TIG (@MV low range)		40 %
Output at +40 °C, rated max. current, TIG (@MV low range)		450 A
Output range, TIG	5 A / 1 V ... 400 A / 41 V	5 A / 1 V ... 500 A / 37 V
Output range, MMA	10 A / 10 V ... 350 A / 42 V	10 A / 10 V ... 400 A / 39 V
Operating temperature	-20 ... 40 °C	-20 ... 40 °C
EMC class	A	A
Degree of protection (fully installed)	IP23	IP23
Dimensions (L x W x H)	544 mm x 205 mm x 443 mm	860 mm x 263 mm x 610 mm
Weight without accessories	23,6 kg	57 kg
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1	IEC 60974-1,-3,-10, AS 60974.1-2006, GB/T 15579.1
Item code	MST405DCG	MST505ACDCGM

## ACCESSORIES

4-wheel cart P45MT  
 2-wheel cart T25MT  
 Wireless hand remote control HR45  
 Wireless foot pedal FR45  
 Digital connectivity module 6265051

