

KEMPPI K5 WELDING EQUIPMENT

# MasterTig ACDC 3500W

POWER AND ECONOMY IN ONE PACKAGE





## MasterTig ACDC 3500W



### POWERFUL ACDC TIG EQUIPMENT FOR ALL TYPES OF MATERIALS

The MasterTig ACDC 3500W is a powerful TIG welding machine suitable for all types of materials, with many functions and several control panel options. This unit is a 3-phase TIG welder equipped with extensive control options and both AC and DC TIG welding functions. It can also be used as an efficient power source for Stick (MMA) welding. Modular control panels enable alternative features, each offering very precise control of the welding current in different phases of the welding task. The MasterTig ACDC 3500W is equipped with an integral cooling unit, providing efficient cooling for liquid-cooled torches in high duty production welding environments.

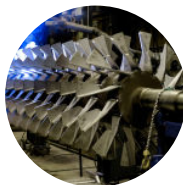
With MasterTig ACDC 3500W the shape of the arc, weld penetration, cleaning effect, as well as the other features, are under precise control, also keeping costs under control and ensuring that the quality of the welds remains high at every level.

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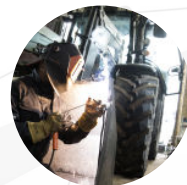
### KEY APPLICATIONS



PROCESS PIPELINES



MECHANICAL  
ENGINEERING



REPAIR AND  
MAINTENANCE



## KEY BENEFITS



### AUTOMATIC AC BALANCE

Increases the quality and speed  
of welding



### EXTREMELY RELIABLE

Arc ignition and functionality

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## BENEFITS

- Reliable arc ignition and functionality
- A wide selection of functions provides high-quality welds in all situations
- Automatic AC balance increases the quality and speed of welding
- Precise penetration control based on the AC frequency adjustment
- Electronic polarity and process selection
- System code lock feature



## WHAT'S IN THE SYSTEM - EQUIPMENT



### MasterTig ACDC 3500W

The Mastertig AC/DC 3500W is a 3-phase TIG welding machine equipped with extensive control options and both AC and DC TIG welding functions. It can also be used as an efficient power source for MMA welding.



### Control panel ACDC Pulse

ACDC Pulse panel is equipped with the most diverse set of functions. This panel includes arc shape and AC balance control, M-LOG function, AC arc frequency control, full pulse control and memory channels.



## ALTERNATIVE - EQUIPMENT AND SOFTWARE



### Control panel ACDC Basic

ACDC Basic control panel is equipped with all necessary functions needed for TIG welding including arc shape and AC balance control.



### Control panel ACDC Minilog

ACDC Minilog panel contains special functions including both M-LOG function and AC arc frequency control. Basic functions like arc shape and AC balance control are also included.



## TECHNICAL SPECIFICATIONS

### MasterTig ACDC 3500W

|                                |                      |
|--------------------------------|----------------------|
| Product code                   | 6163505              |
| Connection voltage 3~ 50/60 Hz | 400 V $\pm$ 10%      |
| Fuse (delayed)                 | 20 A                 |
| Output (TIG) 60% ED            | 350 A/24 V (AC)      |
| Output (TIG) 100% ED           | 280 A/21.2 V (AC)    |
| Output (MMA) 60% ED            | 350 A/34 V (DC)      |
| Output (MMA) 100% ED           | 280 A/31.2 V (DC)    |
| Open circuit voltage           | 70 V DC              |
| Welding range (MMA)            | 10 A/20 V-350 A/34 V |
| Welding range (TIG)            | 3 A/10 V-350 A/24 V  |
| Operating temperature range    | -20 ... +40 °C       |
| External dimensions LxWxH      | 690 × 260 × 870 mm   |
| Weight (no accessories)        | 74 kg                |

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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 600 welding experts in 13 countries and has a revenue of more than 110 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.

