



# OMEGA YARD 300

## PORTABLE HIGH-PERFORMANCE MIG/MAG AND MMA INVERTER



# DESIGNED FOR TOUGH ENVIRONMENTS



*The Omega Yard 300 is ideal for use in shipyards, workshops and on construction sites; here shown with protective frame which is optional equipment.*

## INTELLIGENT GAS CONTROL

IGC® Intelligent Gas Control is a synergic gas regulation giving up to 50% gas savings – in some cases even more.

IGC® monitors consumption and precisely calibrates the gas protection needed during the welding process.

IGC® is optional equipment.

## ROBUST WELDING MACHINE

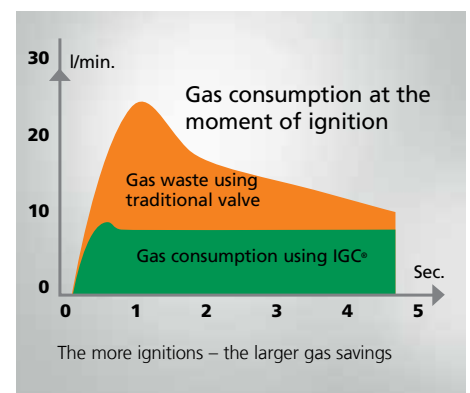
The Omega Yard 300 has been tested under tough conditions in extreme environments and has proven highly resistant to impact, dust and moisture.

The Omega Yard 300 is designed for heavy-duty usage at high current intensities. Owing to the high duty cycle, there is no power loss during welding or by use of long welding hoses or electrode cables.

The machine is the ideal choice for either solid, flux-cored or innershield wires up to 1.2 mm diameter, utilizing 5 kilogram spools.

## FEATURES

- Ultrarobust cabinet
- 4-roll wire feed system for stable wire feeding
- Tacho control of wire motor
- Three digital control panels: Basic, Synergic and Pulse
- Polarity reversal for welding with innershield wire (without gas)
- Easy software update via SD card
- Ergonomic MIG-A Twist® torch
- Cable compensation for calibration of resistance in welding cables



**IGC® Intelligent Gas Control**  
Synergic gas regulation saves gas every time the weld pool is established.

## MIG-A TWIST®

The ergonomic MIG-A Twist® torch has a turnable swan neck for easy access to hard-to-reach locations. Control unit or sequence control unit for adjustment of welding current at the torch handle is available as optional equipment.



*MIG-A Twist® is configurable with different control units which are easy to exchange without tools.*

# THREE DIGITAL CONTROL PANELS - EASY TO USE

The Omega Yard 300 is available with three different control panels: Basic, Synergic and Pulse.

Basic is a manual control panel; the welding machine is operable almost like a step-regulated welding machine but has all the advantages of an infinitely variable inverter.

Synergic and Pulse panels are synergic and contain a multitude of programs, depending on the program package chosen.



**Basic panel incl.:**

- MMA
- Polarity reversal
- 2-stroke/4-stroke



**Synergic panel incl.:**

- Synergic welding programs
- MMA
- 2-stroke/4-stroke
- DUO Plus™ for root passes
- Sequence choice



**Pulse panel incl.:**

- Synergic welding programs
- MMA
- 2-stroke/4-stroke
- DUO Plus™ for root passes
- Sequence choice
- Pulse welding

*For pulse welding we recommend high-performance torches owing to increased application of heat to the torch.*

## PROGRAM PACKAGES

The Omega Yard 300 is configurable with three program packages: Standard, Standard Plus or Special. The Special program package contains more than 200 programs.

## SOFTWARE UPDATE

At migatronik.com you can download software for update of Omega Yard 300 via the SD card.

## DUO PLUS™ - AUTOMATIC FUNCTION FOR A BETTER FINISH

The DUO Plus™ function automatically connects two welding sequences in MIG welding; the optimal solution for welding root passes in open groove joints etc.

The function improves control of the weld pool and reduces heat input.



*DUO Plus™ - Aluminium*



*DUO Plus™ - Stainless steel*

DUO Plus™ optimally preserves the strength of the steel and provides a TIG-like weld appearance.



*A program reader is incorporated in the Omega Yard 300 for easy software update via the SD card.*



# OMEGA YARD 300 - WITH A VARIETY OF OPTIONAL EQUIPMENT

## OPTIONAL EQUIPMENT

- Outlet for remote control, MIG and MMA
- IGC® Intelligent Gas Control
- Manual gas control
- Current control unit for torch
- Trolley for mounting and transport of gas cylinder
- Data collection via CAN
- Protective frame
- Set of wheels for mounting under protective frame
- MMA dinse kit for easy switch-over from MIG to MMA welding
- LED light in wire console for easy change of wire and wire rolls in low light environment
- Lock card for locking set parameters

LED light in wire console  
(item number 78861545)



Set of wheels for mounting under protective  
frame (item number 78861413)



Trolley for mounting and transport of gas cylinder  
(item number 78857031)



We reserve the right to make changes

POWER SOURCE	OMEGA YARD 300
Current range, A	15 - 300
Mains voltage +/- 15%, V	3x400
Fuse, A	16
Duty cycle 100%/40°, A/V	220 / 25
Duty cycle 60%/40°, A/V	240 / 26
Duty cycle max./40°, A	300 / 25 / 29
Duty cycle 100%/20°, A	300 / 29
Duty cycle max./20°, A	300 / 100 / 29
Open circuit voltage, V	50-55
Protection class	IP 23S
Norm	EN/IEC60974-1, EN/IEC60974-5, EN/IEC60974-10
Dimensions (H x W x L), mm	455x222x638
Weight, kg	17