

OMEGA YARD

**Three-phase MIG/MAG and MMA
inverter for the most demanding tasks**

High-performance in extreme environments

Omega Yard is extremely robust and proven resistant to impact, dust and moisture.

It shows excellent performance even under tough conditions.

- High duty cycle – you will get tired long before Omega Yard
- Compact – perfect to bring along when welding in narrow spaces
- Simple, user-friendly control panels – choose between Basic, Synergic or Pulse



MIGATRONIC
WELDING VALUE

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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

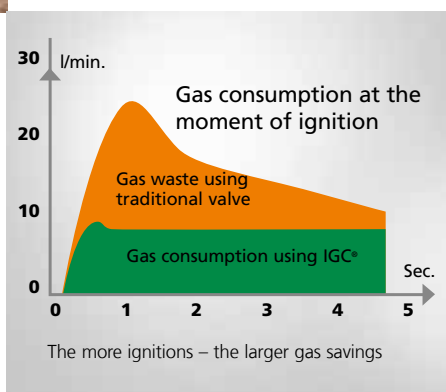
The Omega Yard 300 has been tested under tough conditions in extreme environments and has proven highly resistant to impact, dust and moisture.

The Omega Yard 300 is designed for heavyduty 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.

BOOST CONVERTER

The Omega Yard 300 is available with Boost Converter (electronic autotransformer) for welding on all three-phase mains voltages from 208V – 440V.

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 panel incl.:

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

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 panel incl.:

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

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



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.



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

SOFTWARE UPDATE

At migatron.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.

OMEGA YARD 300 - WITH A VARIETY OF OPTIONAL EQUIPMENT



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)



Protective frame (item number 78861506)
Here mounted on Omega Yard Pulse.

OPTIONAL EQUIPMENT

- Outlet for remote control, MIG and MMA
- IGC® Intelligent Gas Control
- Boost Converter (208V - 440V)
- 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

POWER SOURCE	OMEGA YARD 300	OMEGA YARD 300 BOOST	
Current range, A	15-300	15-300	
Mains voltage +/- 15%, (50-60Hz) V	3x400		
Mains voltage +/- 10%, (50-60Hz) V		3x208, 3x230	3x400, 3x440
Fuse, A	16	20	16
Minimum generator size, kVA	16	17	16
Duty cycle 100% /40°, A / % / V	220 / 100 / 25,0	175 / 100 / 22,8	220 / 100 / 25,0
Duty cycle 60% /40°, A / V	240 / 60 / 26,0	200 / 60 / 24,0	240 / 60 / 26,0
Duty cycle max. /40°, A / % / V	300 / 25 / 29,0	300 / 20 / 29,0	300 / 20 / 29,0
Duty cycle 100% /20°, A / V	300 / 100 / 29,0	200 / 100 / 24,0	290 / 100 / 28,5
Duty cycle max. /20°, A / % / V	300 / 100 / 29,0	300 / 20 / 29,0	300 / 75 / 29,0
Open circuit voltage, V	50-55	60	
Protection class	IP 23S	IP 23S	
Norm	EN/IEC60974-1, EN/IEC60974-5, EN/IEC60974-10		
Dimensions (H x W X L), mm	455x222x638	455x222x638	
Weight, kg	17	20	

We reserve the right to make changes

