

RAGNAMIG 403 S-SYN

RAGNAR
WELDING



RAGNAMIG 403 S-SYN at a glance

The RagnaMig 403 S-SYN is a 3ph MIG SYNERGIC welding machine with a separate wire feed unit capable of delivering 400A @ 60%, making it ideal for the most demanding industrial applications.

This multi-process MIG, LIFT TIG and MMA industrial welder comes with a robust 4 wheeled trolley, a water cooling unit and a separated wire feeder.

It includes a wide range of SYN curves and has built-in remote torch capabilities to meet the most demanding welding applications such as heavy manufacturing, shipyards, oil and gas etc.

2 YEARS
WARRANTY

RAGNAMIG 403 S-SYN MAIN FUNCTIONS

MIG, LIFT TIG AND MMA (STICK) PROCESSES

It features MIG SYNERGIC, MIG MANUAL Gas / Gasless, Lift TIG and MMA (Stick) welding processes.

SYNERGIC MIG WELDING

Punch in your wire type, wire diameter and gas and let the machine set the perfect welding parameters for your work and for your material thickness. Feeling like you welding on your own terms? Manual MIG allows to set your own voltage and wire feed speed

TORCH TRIGGER MODES

2T Trigger Mode and 4T Trigger Mode available.

SPOOL-GUN AND MIG REMOTE TORCHES

Accepts Spool-Gun in Mig mode and capable of using MIG torches with remote control

MMA PROCESS (STICK)

Capable of welding all types of common used STICK welding electrodes, such as 6013, 7018 etc. Anti-Sticking will reduce the output current after senses the electrode contact with the metal for a prolonged period. Auto Hot Start boosts the current during starting for quicker ignition. Arc Force (Adjustable) gives additional amperage during low voltage (short arc length) conditions while welding and helps avoid "sticking" electrodes to the workpiece.

LIFT TIG PROCESS

Capable of welding TIG with Lift Arc Start, with features like 2T/4T torch trigger and adjustable down slope time.

DIMENSIONS

640*245*450mm

WORKSHOP-FRIENDLY

Strong trolley is designed for effortless movement around the workshop.

DUAL COOLING OPTIONS

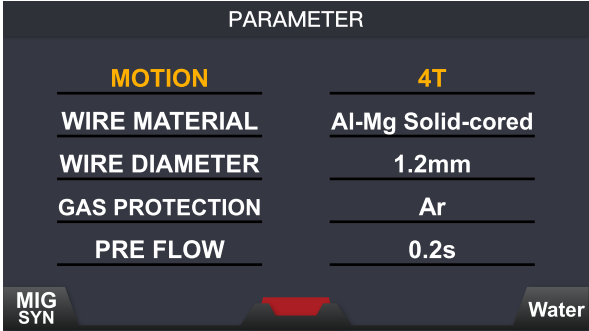
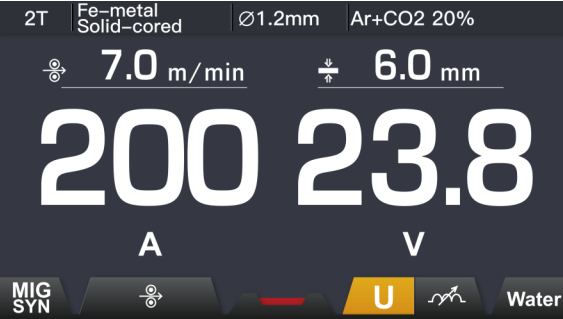
Air cooling and water cooling methods available

LCD DISPLAY

Large and bright LCD Display for easy menu navigation

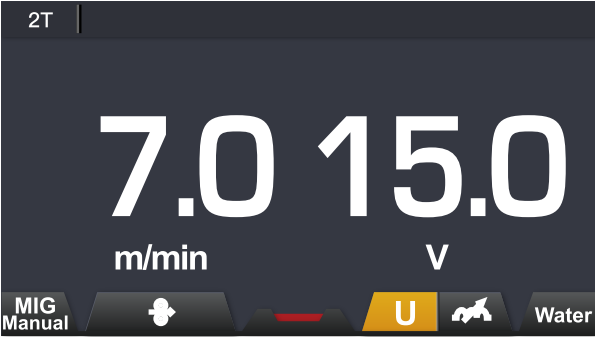
DASHBOARD / WELDING MENU

MIG SYNERGIC MODE SETTING



MIG MANUAL MODE SETTING

MMA MODE SETTING



SPOOL GUN
 Allows the use of Spool Guns, for superior convenience, particularly with aluminum wire.



Remote Control MIG torch
 Allows to control the welding parameters remotely in MIG mode.



RAGNAMIG 403 S-SYN

TECHNICAL DATA

PARAMETERS

Input Voltage (V)	3ph 400V		
	MMA	TIG	MIG
Max Input Current (A)	24	19	22.7
Input Power (KW)	16.6	13.2	15.7
Welding Current (A)	40-400		
No- load Voltage (V)	67		
Duty cycle (40°C)	60% 400A, 100% 310A		

Wire Diameter(mm)	Fe: 0.6, 0.8, 1.0, 1.2, 1.6 SS: 0.8-1.0-1.2 Flux-Cored: 0.6, 0.8, 1.0, 1.2, 1.6 Aluminium: 1.0, 1.2, 1.6
Cooling	AF-WC
Protection class	IP21S
Dimensions (mm)	720*260*490
Weight (Kg)	28.5kg



RAGNAMIG 403 S-SYN

PACKAGE INCLUSIONS



- RAGNAMIG 400 S-SYN POWER SOURCE
- RAGNAMIG SYN FEEDER
- TROLLEY
- COOLING UNIT
- WELDING TORCH MIG 501 4M
- EARTH CABLE 50MM2 3M & EARTH CLAMP 500A
- GAS HOSE 3M WITH QUICK FIT CONNECTOR
- SPARE FEEDER ROLL 1.0-1.2V



RAGNAMIG 403 S-SYN

ORDERING INFORMATION & OPTIONAL ACCESSORIES

- RM.403.01P – RagnaMig 403 S-SYN Package
- ICT2999 – Welding Torch MIG 36 4m
- ICT2999-36 – Welding Torch MIG 36 4m
- 7.602.450-A – Welding Torch 501D 4m remote Water Cooled
- RACC.5003001 – Welding Cable 50mm2 3m & Electrode Holder 500A
- RACC.5003002 – Earth Cable 50mm2 3m & Earth Clamp 500A
- RACC.G000001 – GAS HOSE 3m WITH QUICK FIT CONNECTOR
- RACC.ROL0006 – Feeder Rolls 0.8-1.0 V
- RACC.ROL0002 – Feeder Rolls 1.0-1.2 V
- IOW6906-36 – Welding Torch TIG 26 4m
- IOB6960-00 – TIG 18 4m WATER COOLED
- ICL0116 – Spool Gun 24 6m

COMPLETE WIRE FEEDER ROLLS RANGE AVAILABLE UPON REQUEST



V Groove Rollers
For Solid Wires



FCW Groove Rollers
For Flux Cored Wires



U Groove Rollers
For Soft Wires