

# RANGER 403 / RANGER 503

## RANGER 403 / RANGER 503

### APPLICATIONS

- Suitable for ALL position MIG / MAG welding applications -both within shopfloor as well as at open yards and project sites (with due protection or shield against windy air)
- Suitable for wide range of metals like Carbon Steel, Stainless Steel, Aluminum and it's alloys, with appropriate or recommended consumable
- Most recommended for MIG/MAG welding applications where high metal deposite rates, high productivity and quality is a must

### SALIENT FEATURES

- Most reliable and dependable thyristor based power source for high quality MIG/MAG semiautomatic manual and semiautomatic mechanised welding applications
- Hexa phase, full wave full control bridge rectification circuit reduces ripple in the welding output - resulting spatterfree welding
- Special design and construction of Transformer - resulting faster response time and excellent Arc dynamics
- Light weight, Compact design of power source, wire feeder and Torch
- Selection and adjustmet of Crater Voltage, Crater Current possible with ON-OFF switch and regulating pots provided on the front panel
- Fesh Tip Transfer technique keeps the tip ready for next welding cycle
- Flux cored , solid wire selection switch, gas check toggle switch provided on the front panel
- Quick release wire feed roller mechanism enables operator to change the wire spool quickly, minimising the unproductive time and thus increasing the productivity on the shopfloor
- Power source protected from Over Voltage, Under Voltage supply, Single phasing, Over load/over heating and very high secondary short circuit



### BRIEF SPECIFICATIONS:

MODELS	UNIT	RANGER 403	RANGER 503
Supply voltage	Volt	415	415
Phase	NO.	3	3
Input KVA @ 100% Duty cycle	KVA	20	27
Welding current range	Amp	60-400	60-500
Open circuit voltage	Volt	62V +/-3V	62V +/-3V
Welding current/voits @ 60% Duty cycle	Amp	400	500
Welding current/voits @ 100% Duty cycle	Amp	310	390
Type of cooling	Type	Forced Air	Forced Air
Class of Insulation	Class	H	H
Dimensions (LxWxH)	mm	440x705x835	440x705x835
Weight (approx.)	Kg	160	175
<b>Wire feeder options</b>	Type	Feedlite 20 (PNM) Feedlite 40 (PNM)	Feedlite 20 (PNH) Feedlite 40 (PNH)
Wire feed motor	Type	PCB Servo	
Wire feed speed	m / min	1.2-18	1.2-18
Dimensions	mm	460x200x280	460x200x280
Wire feeder weight	Type	9	9
<b>Torch (3mtr)</b>	Model	Ador TW 400 (E) / MTG 400 (E)	



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