



for Welding Excellence

DIODE BASED SPATTERLESS MIG/MAG WELDING MACHINE

MIG 300 TS | MIG 400 TS | MIG 600 TS

Consistency in quality & service **30** Years

COST-EFFECTIVE SOLUTION

APPLICATIONS:

- AUTOMOBILE INDUSTRY
- SHIP BUILDING
- SPECIAL FABRICATION
- CONSTRUCTION
- METAL FABRICATION

BENEFICIAL FEATURES

- ▶ Designed to weld on M.S, C.S, S.S and steel Alloys.
- ▶ Rugged design for continuous usage.
- ▶ Very low Spatter welding beads.
- ▶ Superior Welding quality.
- ▶ 20-36 Steps are available to give the fine adjustment in Voltage.
- ▶ "10 Years+" operation guarantee.
- ▶ Serving the automobile industry since 20 years.
- ▶ Higher efficiency (More than 80%), hence less power consumption.
- ▶ Completely Maintenance free* unit.

*Very low maintenance is required.



INPUT

3
PHASE

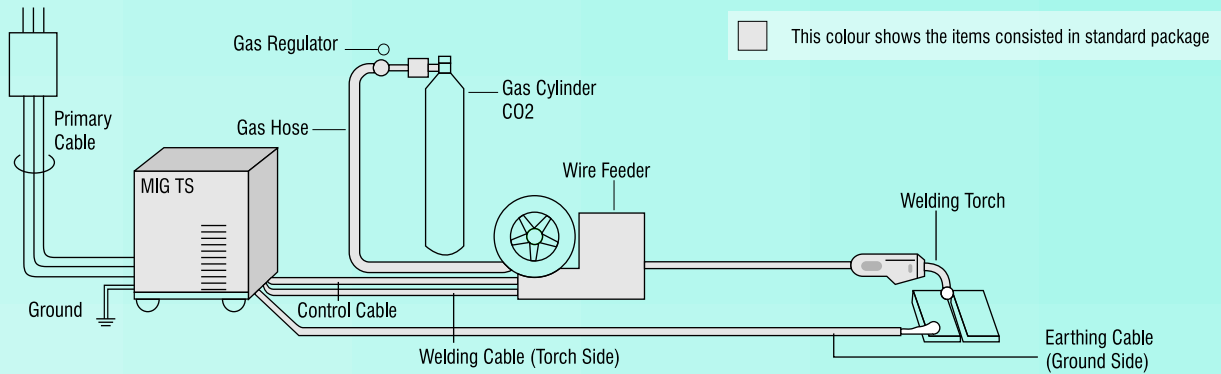
50/60
Hz

OUTPUT

CV DC

Excellent Welding for Higher Performance...

CONNECTION DIAGRAM



TECHNICAL SPECIFICATIONS

PARAMETERS	MIG 300TS	MIG 400TS	MIG 600TS
A POWER SOURCE	SWITCHING	SWITCHING	SWITCHING
Characteristics	CV	CV	CV
Input Supply Voltage	415 V AC / 3 Ph., 50Hz.	415 V AC / 3 Ph., 50Hz.	415 V AC / 3 Ph., 50Hz.
Input rating (KVA)			
@ 60% Duty Cycle	12.50	17.00	32.50
@ 100% duty cycle	6.7	12	22.50
Max. Input Current @ 60% Duty Cycle	17.5	24	45
Switch Fuse Rating (A)	TP/20	TP/30	TP/60
No. of Steps	30	20	36
Open Circuit Voltage (V)	18-43 VDC	18-46 VDC	19-55 VDC
Current Range (A)	60-300	60-400	60-600
Max. Output Current (A)			
@ 60% duty cycle	300	400 (50%)	600
@ 100% duty cycle	230	300	470
Insulation Class	H	H	H
Protection	IP 23	IP 23	IP 23
Conforming IS No.	IS 7931	IS 7931	IS 7931
Dimensions (L x W x H) (Approx.) (mm)	730 x 400 x 750	730 x 400 x 750	900 x 525 x 825
Weight (Approx.) (kg)	100	110	225

WIRE FEEDER	S1 N	SK2 NT	WELDING GUN	24KD	26KD	60KD
Input Supply (VDC)	24	24	Max. Current Capacity (A)	250	300	500
Wire Speed	0.9-24 M / min	0.6-21 M / min	Duty Cycle CO ₂ (%)	60	60	60
Drive Roll	2 roll	4 roll	Cooling type	Gas Cooled	Gas Cooled	Gas Cooled
Wire Size (mm)	0.8 to 1.2	0.8 to 1.6	Length (Mtr)	3	3	3
Dimension (mm)	450 x 200 x 320	450 x 200 x 320	End Connection	Euro/Std.	Euro/Std.	Euro/Std.
Weight (kg)	8.5	10	*Wire Size (mm)	0.8	0.8, 1.2	1.2, 1.6
Applicable Spool Size	300 mm Dia. 15 kg (max.)					

*Torches are supplied for standard wire sizes For 500A and above machines, we recommend water cooled Torches along with water cooling attachment.

Standard scope of supply

Power Source	1 No.
Inter-Connection Cable (Welding Cable - 3 Mtr, Earthing Cable- 3 Mtr)	1 No.
Wire Feeder	1 No.
Welding Torch	1 No.
Gas flow meter/regulator, Gas Pre heater	1 No.

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(In view of continuous development, we reserve the right to modify the design and / or dimensions without notice)



ISO 9001 : 2008