

S.No.	Description	Qty. Required
	MICRO TIG WELDING MACHINE	02 Sets Complete
A	<u>Technical Specifications:</u> Welding Processes : TIG, Pulsed TIG Welding Current Range : ~ 0.1 - 80 A Current Rating : 80 A @ 60% duty cycle : 40 A @ 100% Duty Cycle Current Increment : 0.1 A Start Current : 5%-100% of programmed weld current Final Current : 5%-100% of programmed weld current Response Time : 2 ms @ 80 A Arc pulsation : 1-500 Hz on board Arc pulsation Modes : ON/OFF Background Current : 5%-95% of programmed weld current Pulse Time : 0.001 - 1 sec (1-250 Pulses per sec) Up-Slope Time : 0.01 - 99.9 Second Weld Timer : 0.01 - 99.9 Second Weld Time increments : 0.00 - 9.99 sec with increment 0.01 sec : 0.01 sec from 1.00-9.99 sec. : 0.1 sec from 10.0-99.9 sec. Down-Slope Time : 0.01 - 99.9 Second Shield Gas Pre-Flow Time : 0.1-99.9 sec. with 0.1 sec increments Shield Gas Post-Flow Time : 0.1-99.9 sec. with 0.1 sec increments Input Power : 220 V, 50 Hz, 1 Phase	
B	<u>Essential Features</u> * Program Memories : ~ 10 Programs * Arc Start Mode Selector : High Frequency Arc Start and Touch Start	
C	<u>Connectors:</u> ----- Torch ----- Foot Pedal ----- Robot/external receptacle ----- Modbus RTU	
D	<u>Inputs:</u> ----- Foot Pedal ----- Remote Control/pendant ----- Robot/external receptacle ----- Remote Start ----- Remote Stop/Downslope	
E	<u>Outputs:</u> ----- Front Panel digital Ampere Meter ----- Arc Detect /Transfer signal ----- Start Signal to external positioner	

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F	Panel Switches/Controls: ----- High Frequency ON/OFF ----- Pilot Gas and Current : On / Low / Off / On ----- Pilot gas Flow meter ----- Pilot gas manual Purge Button ----- Shield gas Flow Meter ----- Shield gas manual Purge Button	
G	Essential Accessories (with Each Machine Unit) * Arc voltage Control * Wire Feeder * Micro TIG Hand Torch with Cable > 4 m * Micro TIG Machine/Robot Torch (for Automatic Welding) with Cable > 4 m * Foot Pedal * Remote Control/Pendant * Shielding Gas Regulator * Pilot Gas Pressure Regulator * Ground Cable with Fittings * Ground Tungsten Electrode (2% Th) - Dia 0.5, 1.0, 1.5 and 2.0 mm	1 No. 1 No. 2 Nos. 2 Nos. 1 No. 1 No. 1 No. 1 No. 2 Nos. 20 each
H	Machine Spares Machine maintenance spares for 05 Years trouble free Operation	
I	Documents Operation Manual : Including installation, commissioning and operation details of machine Maintenance Manual: Including part list, assembly drawing, electrical/control	
	<u>Note :</u> * Attach machine literature for technical evaluation * Quote all optional accessories available with machine * Incomplete Quotation with not be considered for evaluation	