



**FIRST TIME IN INDIA**  
**MANUFACTURED INDIGENOUSLY**  
**MICRO PLASMA**  
**WELDING SYSTEM**

### MICRO PLASMA



**MICRO TIG**



**ARCRAFT PLASMA**  
**EQUIPMENTS (INDIA) PVT. LTD.**

# MICRO PLASMA MACHINE MP / MT - 15 / 25 / 50

## Feature : Power Source

- Machine ready to use for operation with controls for gas pre-flow, slope in, starting current level, peak & background current level, pulse on/off, frequency adjustment, pilot current level (not available in Micro Tig), slope out & final current.
- Selectable pilot arcing for continuous & auto take-over. (not available in Micro Tig)
- Entire current range in Precision fine adjustment.
- Electronic high frequency start without conventional spark gap for reliable & repeatable arc striking.
- Machine is capable of adapting external compact & portable water chilling unit.
- Machine is capable of elimination arc wondering even at low current.
- Option available of interfacing with external systems like Welding lathe, Turn Table, Weld Timer etc.

## Specifications

MP : Micro Plasma Model

MT : Micro Tig Model

Power Source	MP / MT - 15	MP / MT - 25	MP / MT - 50
Input	220Vac/50Hz/Single phase		
Rated KVA	0.35	0.55	1.1
Primary Current	2.5 amps	3.0 amps	5.5 amps
Open Circuit Voltage	80-85 VDC	80-85 VDC	80-85 VDC
Output	1-15	1-25	1-50
Current Range	1-15	1-25	1-50
Background Current	1-15	1-25	1-50
Peak Current	1-15	1-25	1-50
Pulse Frequency	1 to 10 Hz		
Pulse Duty	10 to 90%		
Up-Slope	0 to 10 seconds		
Down-Slope	0 to 10 seconds		
Preflow	0 to 10 seconds		
Postflow	0 to 10 seconds		
Pilot Arc	2 amps (Not available in Micro Tig)		
Cooling	Forced air		
Insulation	Class H		
Protection	IP 21		
Duty Cycle	100%		
Weight	57 Kg.		

Micro Plasma Torch	MP - 25T	MP - 50T
Current Capacity : amps	25	50
Tungsten Size : mm	1.0 / 1.6	1.0 / 1.6 / 2.4
Ceramic Sleeve Size : mm	1.0 / 1.6	1.0 / 1.6 / 2.4
Nozzle Size : mm	0.8 / 1.2	0.8 / 1.2 / 1.8
Cooling :	Chilled water	Chilled water
Water Flow : lpm	1 - 2	1 - 2
Cable Length : mtrs	4	4
Plasma Gas :	Ar	Ar
Shield Gas :	Ar/Ar-H <sub>2</sub> /Ar-He	Ar/Ar-H <sub>2</sub> /Ar-He
Duty Cycle :	100%	100%

Micro Tig Torch	MT - 25T	MT - 50T
Current Capacity : amps	25	50
Tungsten Size : mm	1 / 1.6	1 / 1.6 / 2.4
Collect Size : mm	1 / 1.6	1 / 1.6 / 2.4
Ceramic Size : mm	4	4 / 8
Cable Length : meters	4	4
Cooling :	Gas cooled	Gas cooled
Duty Cycle :	100%	100%

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Note : Specifications are subject to change without notice.

We train and certify welders as per ASME SECIX, API 1104, AWS D1, 1 and other international codes  
We offer facilities for welding procedure specification (WPS) and procedure qualification (PQR)  
We design welding automation systems as per your requirements.

**YOUR PARTNER FOR METAL CUTTING, WELDING, AUTOMATION SOLUTIONS AND WELDER TRAINING**