

TECHNICAL SPECIFICATIONS Junior Plasma System

Process chamber	<u>Material</u> : aluminium. <u>Inside dimensions</u> : dia 230mm x length 250mm. <u>Volume</u> : 10,4 litres.
Vacuum measurement	Pirani gauge.
Generator	600 W, 2.45 GHz
Pumping system	Two stage rotary vane pump, 3 m ³ per hour.
PLC	PLC with touch screen. The PLC: <ul style="list-style-type: none"> - runs the process automatically, - defines different processes as recipes, - checks pump pressure, pump time, gas flow, working pressure, process time, temperature, forward power of RF generator, - monitors all parameters correctly within preset % of the machine settings, - uses an operator, process/maintenance password.
Electricity	220V AC, 50Hz, 16A.
Process gas	1 gas line with MFC (Mass Flow Controller).
Safety features	Emergency-off-switch, vacuum interlock, over temperature interlock, CE-label.
Process gas connection	1/4 "Swagelok-fitting, input pressure 1 Bar.

Applications:

Activation, cleaning, etching, etc... of small parts.

Options : 15 m³ pump, frequency generator: 100 KHz or 13.56 MHz, N₂ purge.



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