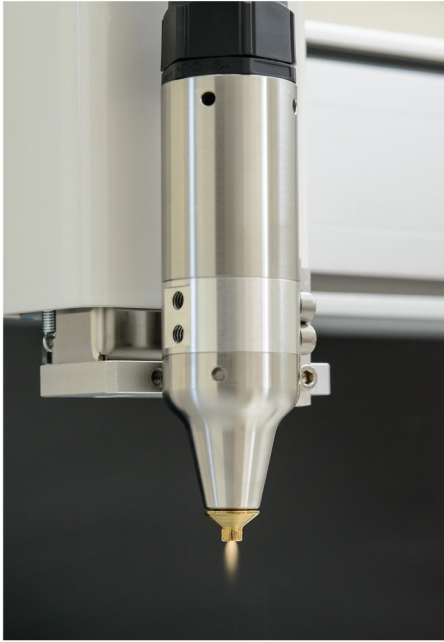


PLASMADART

Atmospheric Plasma Torch



Plasmadart is plasma torch designed and manufactured by Isytech.

The plasma is generated by a high-voltage electrical discharge inside a chamber connected to a treatment nozzle. A stream of compressed air is introduced into this chamber. Under the effect of the discharge, the gas dissociates into reactive species, which are ejected through the nozzle to form a plasma jet.

This contactless process enhances the adhesion of paints, adhesives, and coatings by removing contaminants and modifying the surface tension of treated materials.

The plasma jet has a very low electrical potential, making it suitable for use in the electronics industry.

Plasmadart is a compact, lightweight, and self-contained treatment system that can be easily integrated into existing production lines.

TECHNICAL SPECIFICATIONS

Power supply dimensions	Width Height Depth (With handles) Weight	562 mm (19") 211 mm (3U) 420 mm (500mm) 11Kg
Torch dimensions	Diameter Length Weight Mounting	40 mm 140 mm 0,5 Kg 4xM6
Hose	Diameter / Standard lenght	22 mm / 3 or 6m
Human Machine Interface	Touch screen PLC Password access to parameters Languages available : English and French Instantaneous power display Flame detection	
Control	Control in local or remote mode	
Power supply	Tension / Frequency Power Compliance	240 V +/- 10% - 50/60 Hz 400 VA @ 230V - 50 Hz CE marking
Gas supply	Compressed air Quick coupling 6/4 Inlet filtration system	Cooling flow : 1m ³ /h Treatment flow : 0,3 - 0,4 m ³ /h Pressure 5 - 8 bars
Options	Second torch Consumables kit Spare torch and hose Maintenance and services in our premises	
Compatible materials	PE, PP, PC, Silicone, PEX, PMMA, PET, PA, ABS, FPM, FKM, ECTFE etc. <i>Please contact us for other materials.</i>	