INT
Integration ready Atomflo™ system

The most trusted name in atmospheric plasma.™

The INT series Atomflo™ plasma system is configured to integrate into your new or existing process equipment. Communicate over Ethernet IP for complete process control and data logging. The INT provides the most advanced surface treatment technology inside your equipment.

Select from a variety of plasma head sizes from small 2-mm spot to 100-mm-wide linear beam.

Surfx argon plasma source on six-axis robot.

Atomflo™ Rack Mounted

Surfx argon plasma source on SCARA robot.

The INT series plasma system can be integrated in line, or in a batch tool. Features include:

- Real-time monitoring and control of process conditions.
- Standard 19 inch server rack modules for easy integration
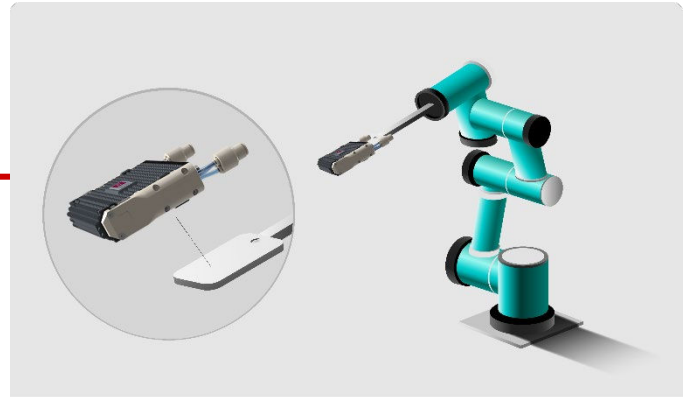- Easily pass industry compliance with INT series modules

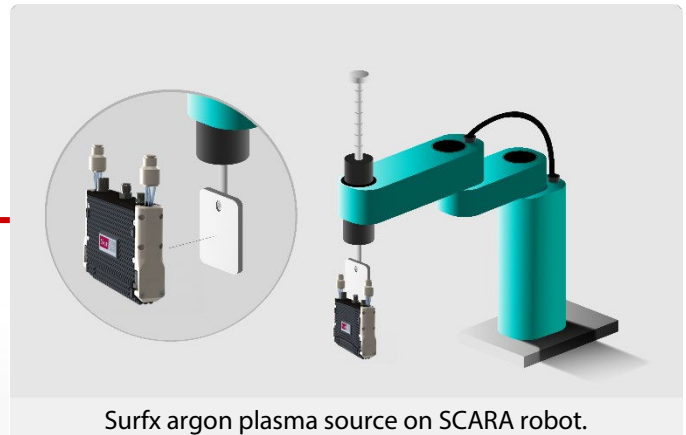For more information, contact Surfx at:
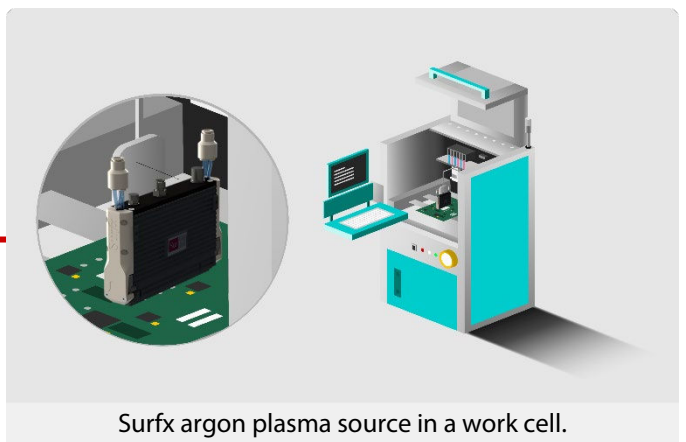sales@surfxtechnologies.com
or +1 310 558 0770

Surfx argon plasma source in a work cell.

INT

The INT series Atomflo™ plasma system is designed to integrate automated surface treatment into a customer's process equipment or manufacturing line.

Gas Tray Facilities

Plasma gases* (choose one)				
Type	**Inlet Fitting****	**Regulator**	**Max Flow (LPM)**	**Operating Pressure**
Argon (Ar)	3/8-inch OD	CGA 580	40	0.35-0.7 MPa (50-100 psig)
Helium (He)	3/8-inch OD	CGA 580	60	0.35-0.7 MPa (50-100 psig)
Process gases* (choose two)				
Type	**Inlet Fitting****	**Regulator**	**Max Flow (LPM)**	**Supply Gas Pressure**
Oxygen (O_2)	1/4-inch OD	CGA 540	0.60	0.35-0.7 MPa (50-100 psig)
Nitrogen (N_2)	1/4-inch OD	CGA 580	0.60	0.35-0.7 MPa (50-100 psig)
5.0% H_2 in argon	1/4-inch OD	CGA 580	10.0	0.35-0.7 MPa (50-100 psig)

*Gas purity should be at least 99.99% (industrial grade).

**Swagelok bulkhead connector.

Controller Facilities

Specifications	
Power supply	200 – 240 VAC, 8 A, 50/60 Hz
Air supply (CDA)	None
Dimensions (W*D*H)	19 inch server rack compatible Added dimensions see module detail sheet
Weight	23 kg (51 lbs)

Coolant Control Module Facilities

Specifications	
Coolant	Distilled or deionized water (1.0 Liter)
Power supply	200 – 240 VAC, 4.1 A, 50/60 Hz
Air supply (CDA)	None
Dimensions (W*D*H)	19 inch server rack compatible Added dimensions see module detail sheet
Weight (dry)	9 kg (20 lbs)