

# SPS-M

## Surfx plasma source



The SPS-M is a spot plasma source designed to clean and activate substrates for improved adhesion. It is ideal for semiconductor packaging and electronics manufacturing.

Surfx's Atomflo™ 600 controller operates the SPS-M plasma source by supplying it with radio frequency (RF) power, argon gas flow at 10 LPM and 1.0% oxygen, nitrogen, or hydrogen. Liquid temperature control through the head keeps it at a constant temperature. Once the system is turned on, a uniform, particle-free, and electrically neutral plasma beam fills the 2 mm aperture and bathes the substrate in a flow of active oxygen, nitrogen, or hydrogen atoms.

For more information, contact Surfx at: [sales@surfxtechnologies.com](mailto:sales@surfxtechnologies.com) or +1 310 558 0770.



### SPS-M Specifications

#### Plasma beam size

2 mm

#### Dimensions (W \* D \* H)

76 x 57 x 150 mm

2.99 x 2.24 x 5.91 inches

#### Weight

0.45 kg (1.0 lbs)

#### Patented plasma technology

Atmospheric argon plasma  
O<sub>2</sub>, H<sub>2</sub>, N<sub>2</sub> plasma chemistry  
RF capacitive discharge

[www.surfxtechnologies.com](http://www.surfxtechnologies.com)

#### North America

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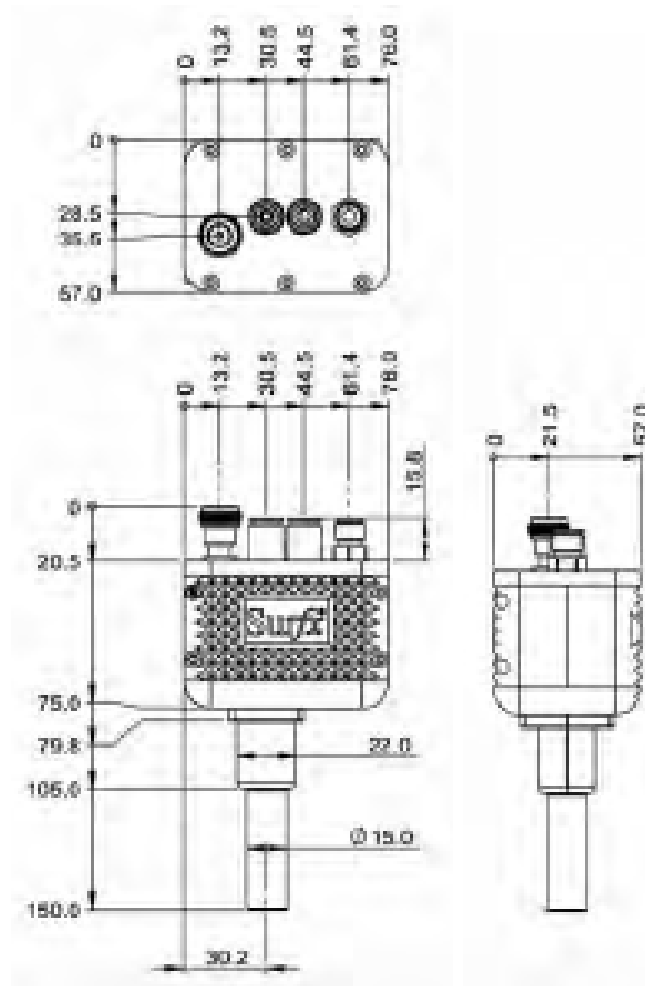
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# SPS-M

The SPS series plasma sources are designed for precision surface treatment of materials at low temperature with zero damage and no particles added.

Specifications	
Plasma aperture diameter	2 mm
Plasma effective diameter at substrate	10 mm
External dimensions (W*D*H)	76 x 57 x 150 mm (2.99 x 2.24 x 5.91 inches)
Weight	0.45 kg (1.0 lbs)
Maximum RF power	270 W at 27.12 MHz
Plasma gas	Argon (Ar)
Process gases	Oxygen (O <sub>2</sub> ), nitrogen (N <sub>2</sub> ), or hydrogen (5.0% H <sub>2</sub> in Ar)



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