

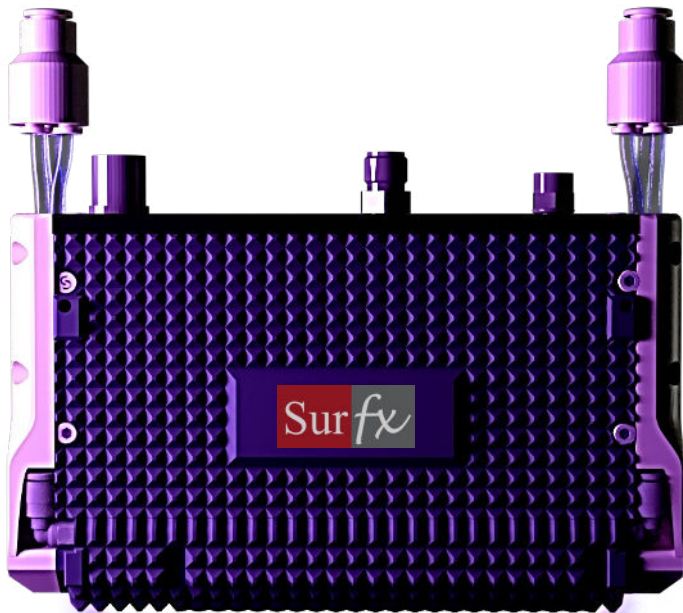
SPS-100

Surfx plasma source

The SPS-100 is a linear beam 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-100 linear plasma source by supplying it with radio frequency (RF) power, argon gas flow at 32 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 100-mm-wide slit and bathes the substrate in a flow of active oxygen, nitrogen, or hydrogen atoms.

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



SPS-100 Specifications

Plasma beam size
100 mm (4.0 inches)

Dimensions (W * D * H)
169 x 32 x 101 mm
6.67 x 1.26 x 3.397 inches

Weight
0.8 kg (1.75 lbs)

Patented plasma technology
Atmospheric argon plasma
O₂, H₂, N₂ plasma chemistry
RF capacitive discharge

www.surfxtechnologies.com



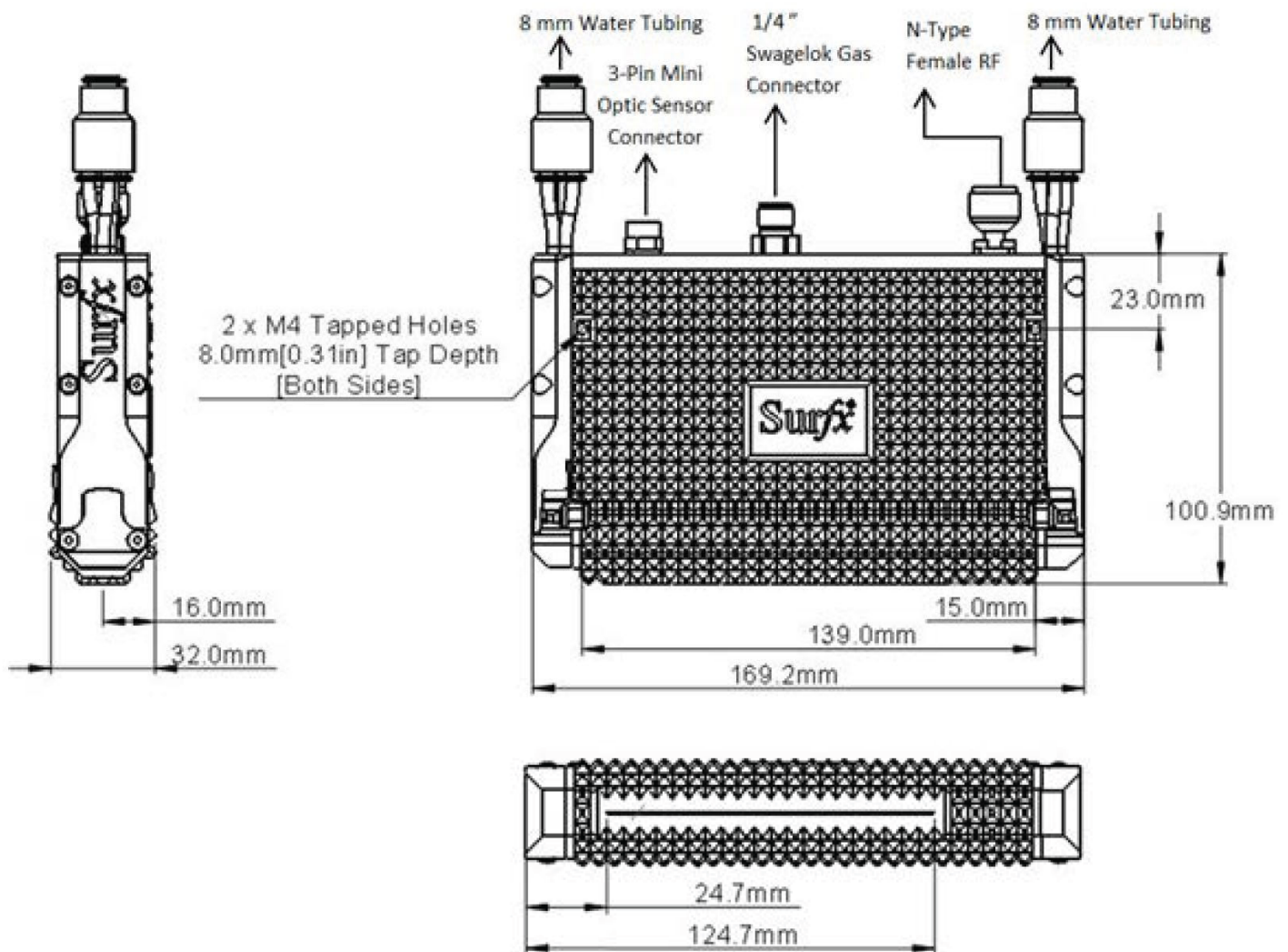
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SPS-100

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

Specifications	
Plasma beam width	100 mm (4.0 inches)
External dimensions (W*D*H)	169 x 32 x 101 mm (6.66 x 1.26 x 3.97 inches)
Weight	0.8 kg (1.75 lbs)
Maximum RF power	600 W at 27.12 MHz
Plasma gas	Argon (Ar)
Process gases	Oxygen (O ₂), nitrogen (N ₂), or hydrogen (5.0% H ₂ in Ar)



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