

RB

Benchtop Robot Series

An Atomflo™ atmospheric pressure plasma system combined with an RB benchtop robot is ideal for research and development. The plasma source mounts on the gantry robot so that one may scan the reactive gas beam over the substrate at a precise speed and distance.

The three-axis motion system applies plasma only where it is needed. The exposure time of the sample to the reactive gas beam is controlled to within a fraction of a second. Robots may be selected with treatment areas ranging from 200 by 200 to 500 by 500 mm.

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



RB Specifications

Work area (X * Y * Z)
Up to 500 x 500 x 100 mm

Footprint (W * D * H)
Up to 690 x 710 x 600 mm
Up to 27.2 x 28.0 x 23.6 inches

Software
Point to point using teach pendant
Separate start from Atomflo™
(Plasma sold separately)

www.surfxtechnologies.com

North America

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Asia

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The RB benchtop robot provides a means of scanning the atmospheric pressure plasma over a substrate. It is an ideal tool for research in plasma processing of materials.

Specifications				
Item	RB200-XYZ	RB300-XYZ	RB400-XYZ	RB500-XYZ
Working range X/Y/Z (mm)	200 / 200 / 50	300 / 300 / 100	400 / 400 / 100	500 / 500 / 100
Load Y-axis / Z-axis	5 kg / 3 kg	10 kg / 5 kg		
X & Y / Z (mm/s)	0.1 to 500 / 300	0.1 to 600 / 300		
Resolution	0.001 mm / axis			
Program capacity	100 set 4,000 points / set			
Program display	Teach pendant LCD			
Control method	PTP & CP			
Interpolation function	3 axis 3D route			
Programming method	Teaching pendant			
I/O signal port	8 inputs / 8 outputs			
External control interface	RS 232			
Power supply	110-220 VAC, 300 W			
Dimensions (WxDxH mm)	380 x 370 x 500	485 x 500 x 600	585 x 600 x 600	690 x 710 x 600
Weight	23 kg	30 kg	40 kg	45 kg



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