

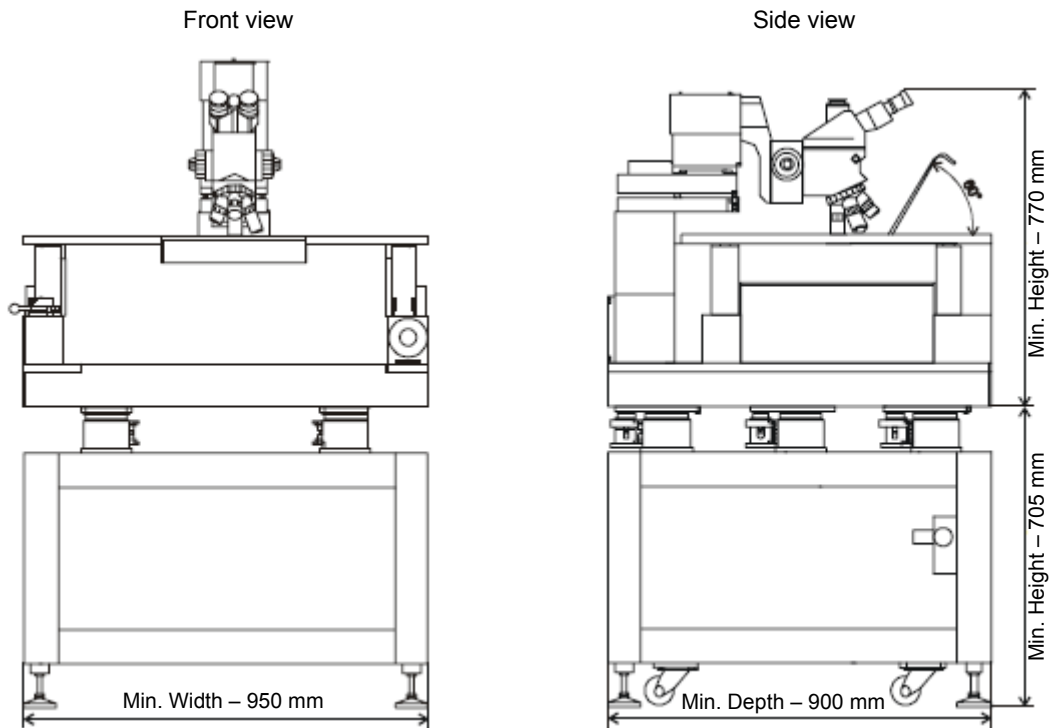
This guide contains information to help prepare your facility for the arrival of your PA300 probe station.

Probe Station Requirements

Air and Vacuum	Vacuum	<ul style="list-style-type: none"> • Less than 200 mbar absolute • Flow rate insignificant • 6 mm hose (US 1/4")
	Compressed air for Vibration Isolation Table	<ul style="list-style-type: none"> • Filtered, dry and oil-free • Minimum 4 bar to 6 bar maximum • Flow rate insignificant • 6 mm hose (US 1/4")
Dimensions	Station + Accessories	<ul style="list-style-type: none"> • 950 mm x 900 mm x 770 mm with microscope in raised position • Additional height added by optional accessories such as cameras and laser cutters can add up to a maximum of 900 mm.
	ProberBench rack	450 mm (W) x 400 mm (D) x 230 mm (H), with connectors installed
	Joystick Controller	280 mm (W) x 250 mm (D) x 140 mm (H), with connector installed.
Weight	Station (incl. VIT)	660 kg (760 kg)
Temperature	Operating range	19° C to 24° C
	Target temperature	22°C
	Tolerance	1K
	ProberBench rack	Side ventilators and air expellers must be kept clear for air circulation.
Humidity	Tool area	25% to 60%
	Support equipment area	25% to 60%
Vibrations	The facility should be free of vibrations caused by other equipment.	
Electrical Data	Power	100–240 V AC nominal, 50/60 Hz, 500 VA
	Protection class	I
	Transient overvoltage	Overvoltage category II (IEC 60364-4-443)
	Facility power line fuse for main connector	Ensure that a 16 A lead fuse is available in your facility power line where the main connector is plugged in.
Pollution Level	1 IEC 664	
Clean Room Class	Class 6 corresponding to DIN EN ISO 14644-1	
Additional Equipment	Thermal chuck	<ul style="list-style-type: none"> • May require a coolant: water at 1 liter/minute, 207 kPa max.
	ShieldEnclosure SE1200	<ul style="list-style-type: none"> • 1250 mm x 1247 mm x 1415 mm • Extra space will be required for access to the facility
	PC table	Extra space is required for the PC next to the probe system
	Vibration Isolation Table (VIT)	For dimensions and points of support, see dimension drawings.
Shipping Dimensions and Weight (approx. values)	Probe station box	<ul style="list-style-type: none"> • 1250 mm x 1320 mm x 1200 mm • Gross weight: 780 kg
	Accessories box	<ul style="list-style-type: none"> • 1200 mm x 800 mm x 800 mm • Gross weight: approx. 80 kg
	VIT box	<ul style="list-style-type: none"> • 1000 mm x 1050 mm x 960 mm • Gross weight: approx. 125 kg

PA300 Semiautomatic Probe System

Dimensions (in mm)



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