

This guide contains information to help prepare your facility for the arrival of your PM300 probe station.

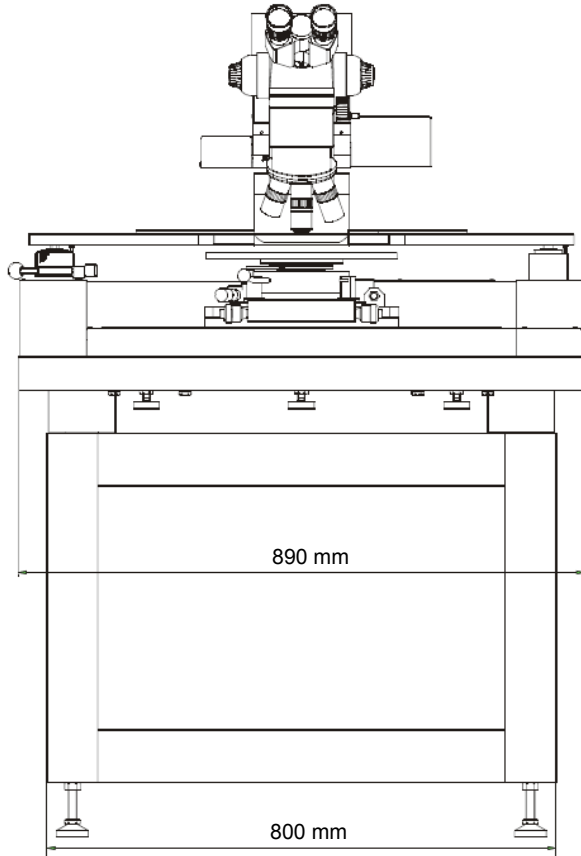
Probe Station Requirements

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	<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	<ul style="list-style-type: none"> • 890 mm (W) x 850 mm (D) x 1251 mm (H) • Optional accessories such as cameras and laser cutters can increase the total height.
Weight	Station	350 kg
Temperature	Operating range	19°C to 24°C
	Target temperature	22°C
	Tolerance	1K
	ProberBench	Side ventilators and air expellers must be kept clear for air circulation at all times.
Humidity	Tool area	25% to 60%
Vibrations	The facility should be free of vibrations caused by other equipment.	
Electrical Data	Power supply	90–264 VAC, 47–63 Hz, 120VA
	Power for accessories	100–240 V AC nominal, 50/60 Hz (depends on accessories and country/region)
	Facility power line fuse for main connector	Ensure that a 10 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	ProbeShield®	100 mm extra space on each side and the rear for cables; pressurized air required with max. –70°C dew point, min. 6 bar, min. 3000 l/h (air dryer optional)
	Laser cutter	Only required for swivel (interlock switch)
	Thermal chuck	May require a coolant: water at 1 liter/minute, 207 kPa max.
	ShieldEnclosure SE1200	1200 mm x 1220 mm x 1275 mm. Extra space is required for access.
	Table	Extra space is required for the PC next to the probe system when equipped with motorized accessories including ProberBench (optional).
	Vibration isolation table	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 1250 mm x 760 or 1000 mm • Gross weight: 410 kg
	Accessories box	<ul style="list-style-type: none"> • 800 mm x 1200 mm x 800 mm (typical) • Gross weight: 120 kg
	VIT box	<ul style="list-style-type: none"> • 1000 mm (W) x 1000 mm (D) x 1050 mm (H) • Gross weight 125 kg With Dark Box adaption: <ul style="list-style-type: none"> • 1300 mm (W) x 1200 mm (D) x 850 mm (H) • Gross weight 145 kg

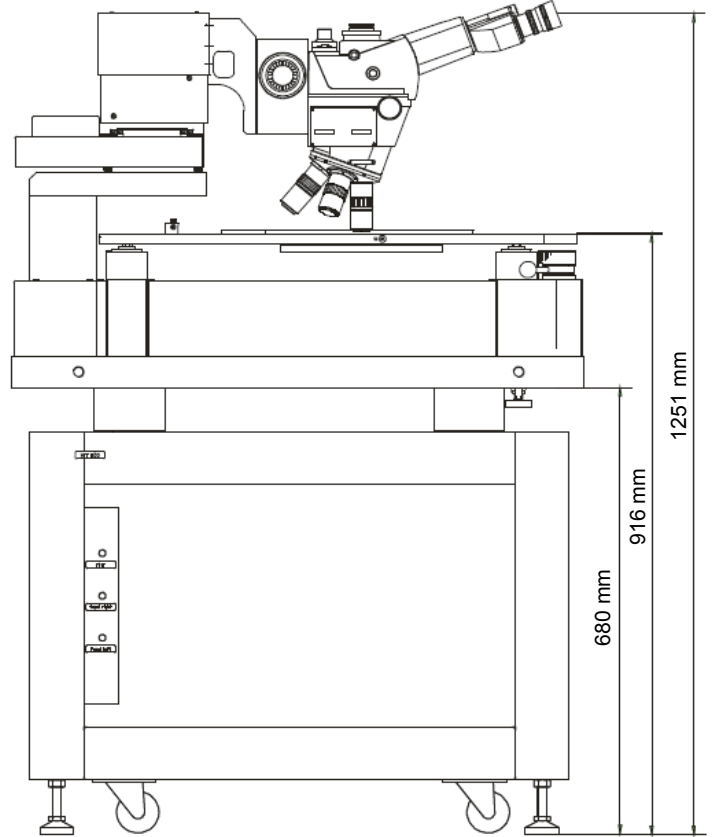
PM300 Probe Station

PM300 Dimensions (in mm)

Front view



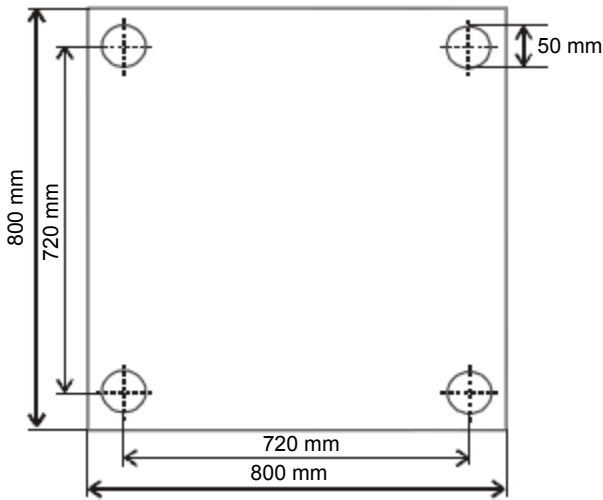
Side view



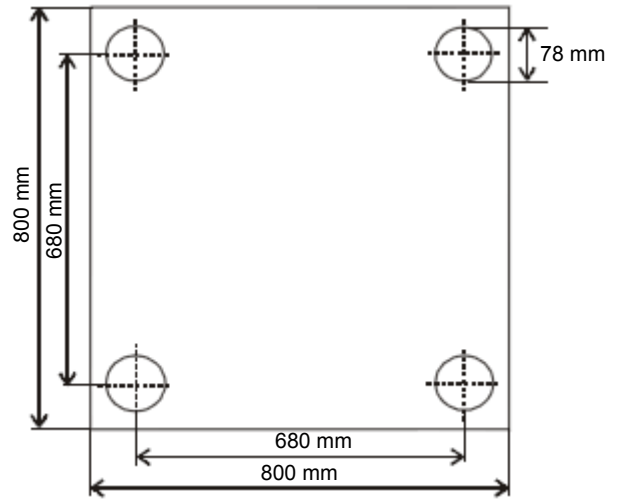
PM300 Probe Station

Vibration Isolation Table Dimensions (in mm)

VIT 800



VIT 801/VIT 802/VIT 881



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