

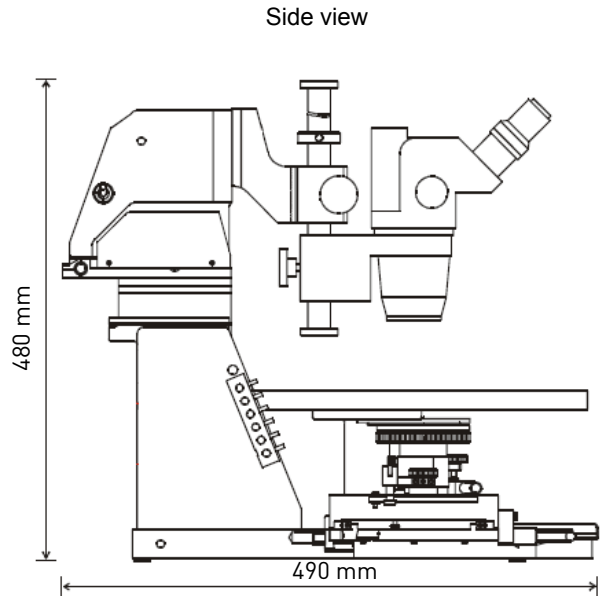
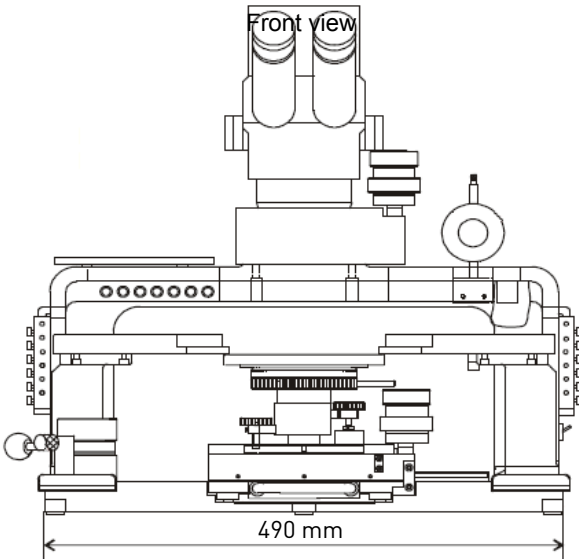
This guide contains information to help prepare your facility for the arrival of your PM5 probe station.

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"> • 490 mm (W) x 490 mm (D) x 480 mm (H) (with microscope in raised position) • Optional accessories such as cameras and laser cutters can increase the total height up to 900 mm.
Weight	Station	~60 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 for accessories	100–240 V AC nominal, 50/60 Hz, 500 VA; or 230 V, 50 Hz or 120 V, 60 Hz (depends on accessories and country/region)
Pollution Level	1 IEC 664	
Clean Room Class	Class 6 corresponding to DIN EN ISO 14644-1	
Additional Equipment	Laser cutter	Only required for swivel (interlock switch)
	Thermal chuck	May require a coolant
	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 diagrams.
Shipping Dimensions and Weight (approx. values)	Probe station box	<ul style="list-style-type: none"> • 710 mm x 920 mm x 890 mm • Gross weight: 115 kg
	VIT box	<ul style="list-style-type: none"> • 1000 mm (W) x 1000 mm (D) x 1050 mm (H) • Gross weight 245 kg With Dark Box adaption: <ul style="list-style-type: none"> • 1500 mm (W) x 1400 mm (D) x 1120 mm (H) • Gross weight 260 kg

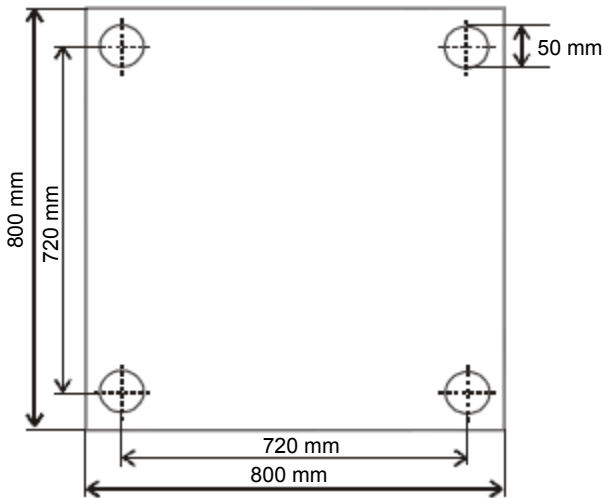
PM5 Probe Station

Dimensions (in mm)

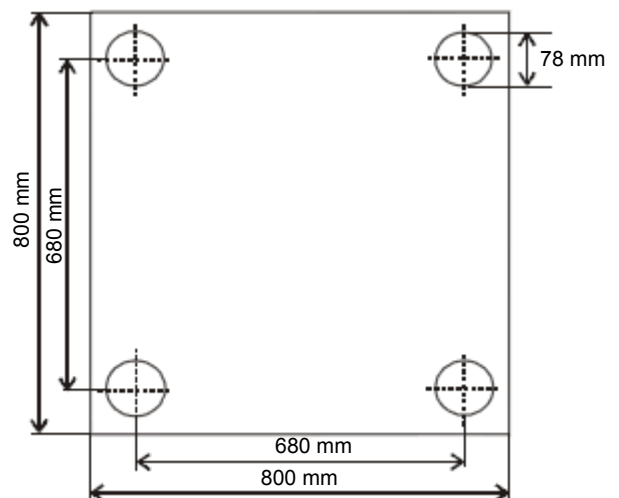


Vibration Isolation Tables

VIT 800



VIT 801/VIT 802



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