

PM300 Probe Station

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



NOTE

Facility requirements for thermal systems are listed separately. See the Facility Planning Guide specific to your thermal system for details.

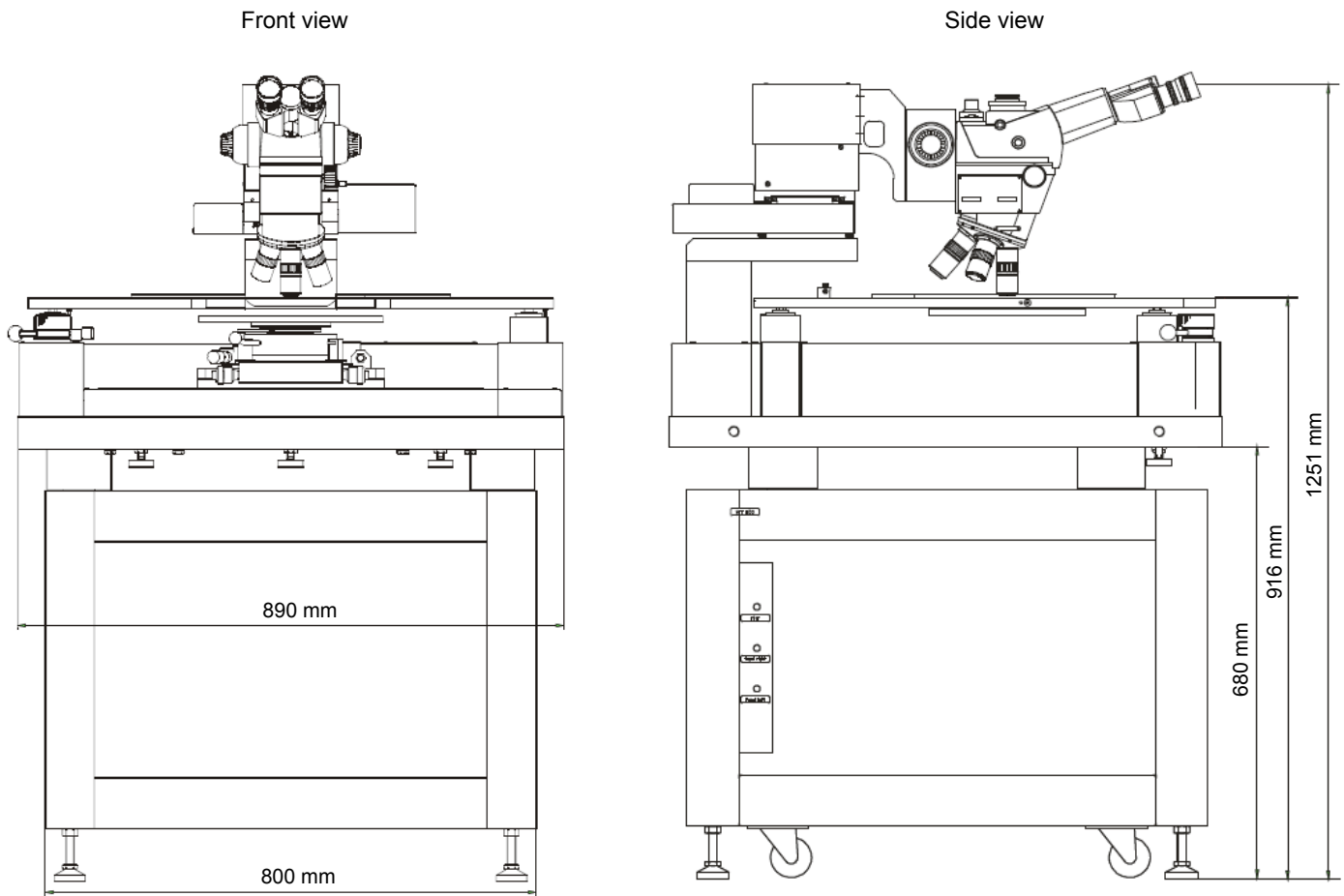
Probe Station Requirements

Air and Vacuum	Vacuum	<ul style="list-style-type: none"> • Less than 200 mbar absolute • Flow rate insignificant • 8 mm (5/16-inch) hose (6 mm and 1/4-inch adapters included)
	Compressed air	<ul style="list-style-type: none"> • Filtered, dry and oil-free • Minimum 4 bar to 6 bar maximum • Flow rate insignificant • 8 mm (5/16-inch) hose (6 mm and 1/4-inch adapters included)
Power	Station	• 90–264 VAC, 47–63 Hz, 120VA
	Accessories	• 100–240 V AC nominal, 50/60 Hz (depends on accessories and country/region)
	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.
Environmental Conditions	Humidity	<ul style="list-style-type: none"> • Tool area: 25% to 60% • Support equipment area: 25% to 60%
	Temperature	<ul style="list-style-type: none"> • Operating range: 19° C to 24° C • Target temperature: 22°C
		<p>NOTE <i>Keep electronics rack side ventilators and air expellers clear for air circulation.</i></p>
	Pollution level	• 1 (IEC 60664)
	Clean room class	• Class 6 corresponding to DIN EN ISO 14644-1
	Tolerance	• 1K
	Vibrations	• The facility should be free of vibrations caused by other equipment.
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.
	Vibration isolation table	For dimensions and points of support, see dimension drawings.
Dimensions (WxDxH)	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

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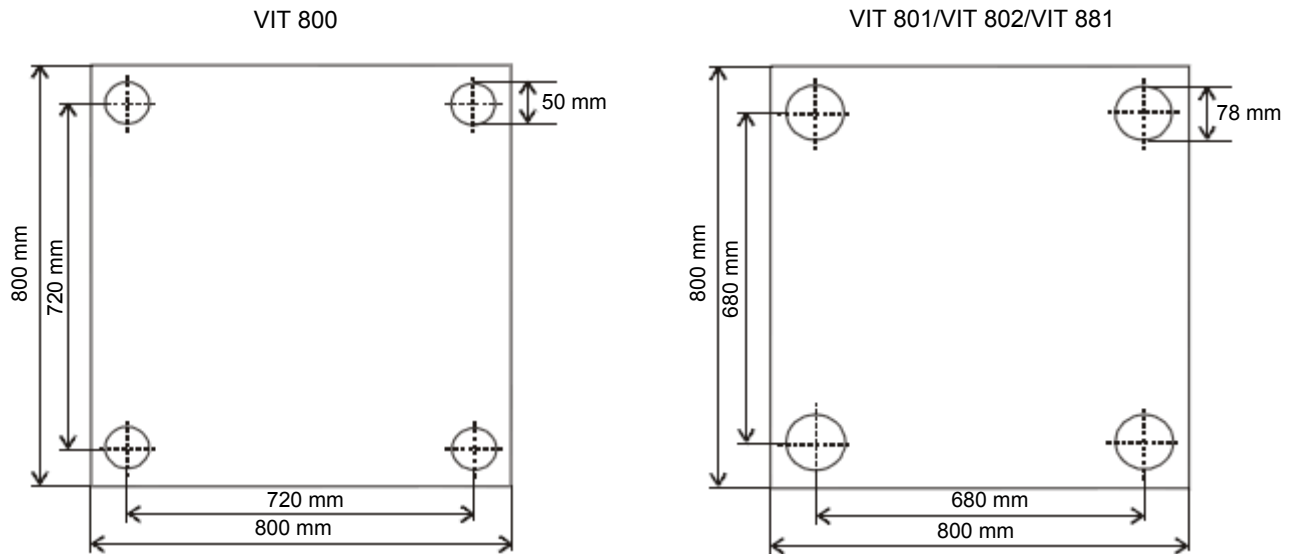
Shipping Dimensions and Weight (approx. values)	Probe station box	<ul style="list-style-type: none"> • Dimensions: 1250 mm x 1250 mm x 760 or 1000 mm • Gross weight: 410 kg
	Accessories box	<ul style="list-style-type: none"> • Dimensions: 800 mm x 1200 mm x 800 mm (typical) • Gross weight: 120 kg
	Vibration isolation table box	<ul style="list-style-type: none"> • Dimensions: 1000 mm (W) x 1000 mm (D) x 1050 mm (H) • Gross weight 125 kg <p>With darkbox adapter:</p> <ul style="list-style-type: none"> • Dimensions: 1300 mm (W) x 1200 mm (D) x 850 mm (H) • Gross weight 145 kg

PM300 Dimensions



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Vibration Isolation Table Dimensions (in mm)



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