

# PA200 Probe Station

This guide contains information to help prepare your facility for the arrival of your PA200 probe station.



**NOTE**

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

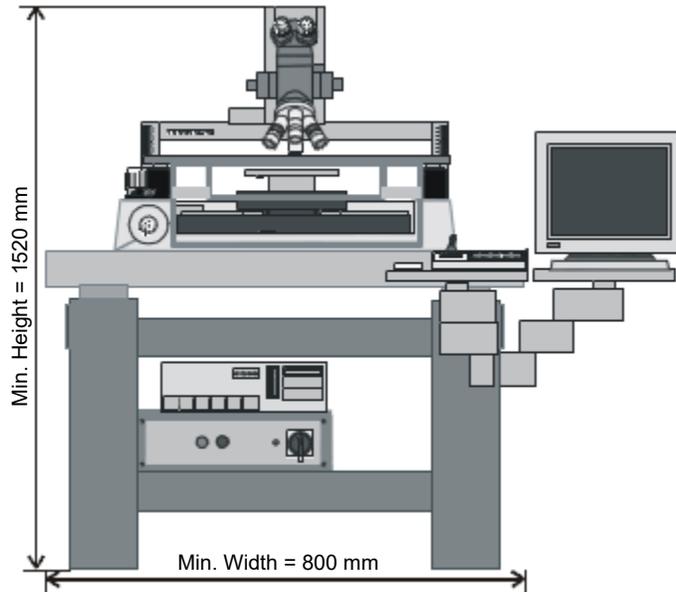
## Probe Station Requirements

<b>Air and Vacuum</b>	Vacuum	<ul style="list-style-type: none"> <li>• Less than 200 mbar absolute</li> <li>• Flow rate insignificant</li> <li>• 8 mm (5/16-inch) hose (6 mm and 1/4-inch adapters included)</li> </ul>
	Compressed air for vibration isolation table	<ul style="list-style-type: none"> <li>• Filtered, dry and oil-free</li> <li>• Minimum 4 bar to 6 bar maximum</li> <li>• Flow rate insignificant</li> <li>• 8 mm (5/16-inch) hose (6 mm and 1/4-inch adapters included)</li> </ul>
<b>Power</b>	Station	• 100–240 V AC nominal, 50/60 Hz, 500 VA
	Protection class	• I (IEC 61140)
	Transient overvoltage	• Overvoltage category II (IEC 60364-4-443)
	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.
<b>Environmental Conditions</b>	Humidity	<ul style="list-style-type: none"> <li>• Tool area: 25% to 60%</li> <li>• Support equipment area: 25% to 60%</li> </ul>
	Temperature	<ul style="list-style-type: none"> <li>• Operating range: 19° C to 24° C</li> <li>• Target temperature: 22° C</li> </ul>
		<b>NOTE</b> Keep electronics rack side ventilators and air expellers clear for air circulation.
	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.
<b>Additional Equipment</b>	ShieldEnclosure SE1000	Width • 1000 mm + 2 x 60 mm for handles
		Depth • 1220 mm, max. 1400 mm
		Height • 1275 mm, 1900 mm with VIT
		Extra space is required for access to the facility.
<b>Dimensions (WxDxH)</b>	Station + accessories	<ul style="list-style-type: none"> <li>• 700 mm (W) x 750 mm (D) x 770 mm (H) (with microscope in raised position)</li> <li>• Additional height added by optional accessories such as cameras and laser cutters can add up to a maximum of 900 mm.</li> </ul>
	Electronics 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
<b>Weight</b>	Station (with vibration isolation table)	• 133 kg (293 kg)
<b>Shipping Dimensions and Weight (approx. values)</b>	Probe station box	<ul style="list-style-type: none"> <li>• Dimensions: 1250 mm x 870 mm x 1160 mm</li> <li>• Gross weight: 260 kg</li> </ul>
	Accessories box	• Dimensions: 800 mm x 1200 mm x 800 mm
	VIT box (with darkbox adapter)	<ul style="list-style-type: none"> <li>• Dimensions: 1000 mm (W) x 1000 mm (D) x 1050 mm (H)</li> <li>• Gross weight: 245 kg</li> <li>• Net weight: 215 kg</li> </ul>

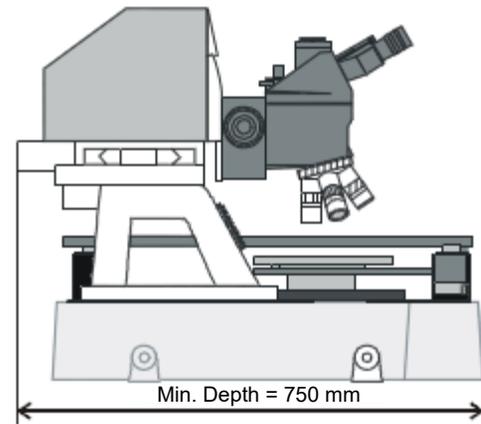
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## Dimensions (in mm)

Front view

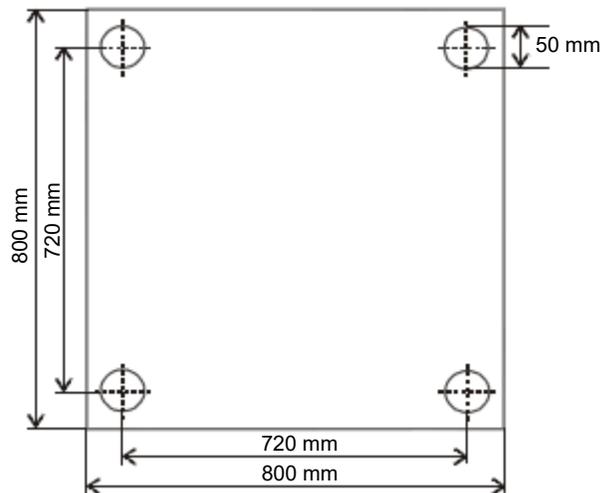


Side view

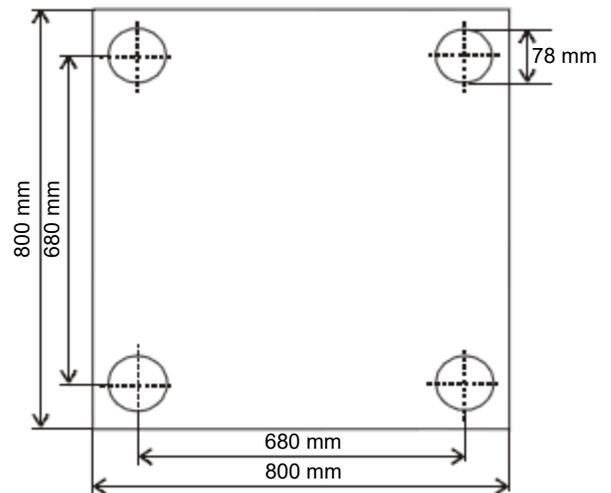


## Vibration Isolation Tables

VIT 800



VIT 801/VIT 802



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