

# 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.*

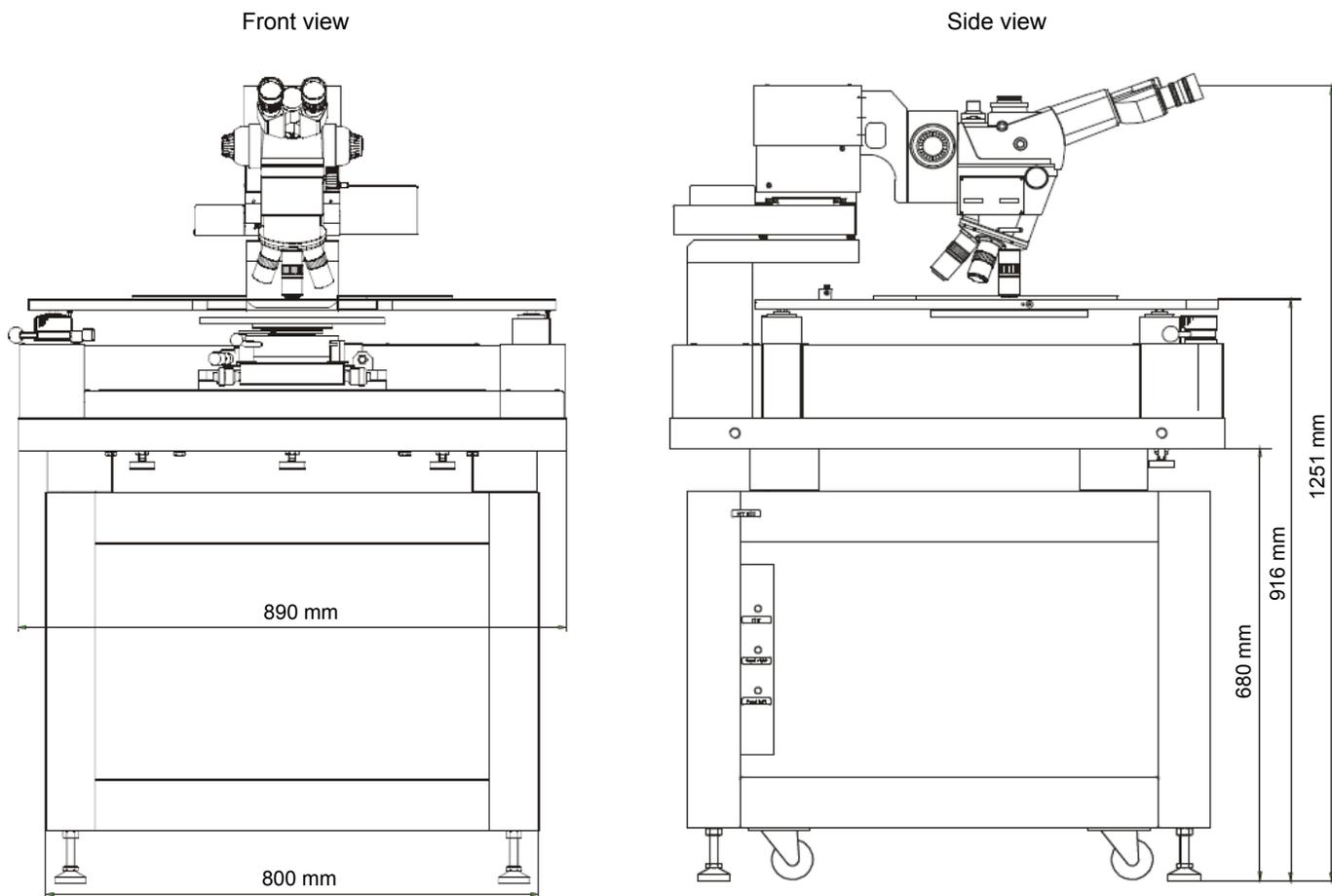
## Probe Station Requirements

<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	<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	• 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.
<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> <i>Keep electronics rack side ventilators and air expellers clear for air circulation.</i>
	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>	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.
<b>Dimensions (WxDxH)</b>	Station	<ul style="list-style-type: none"> <li>• 890 mm (W) x 850 mm (D) x 1251 mm (H)</li> <li>• Optional accessories such as cameras and laser cutters can increase the total height.</li> </ul>
	<b>Weight</b>	Station

# PM300 Probe Station

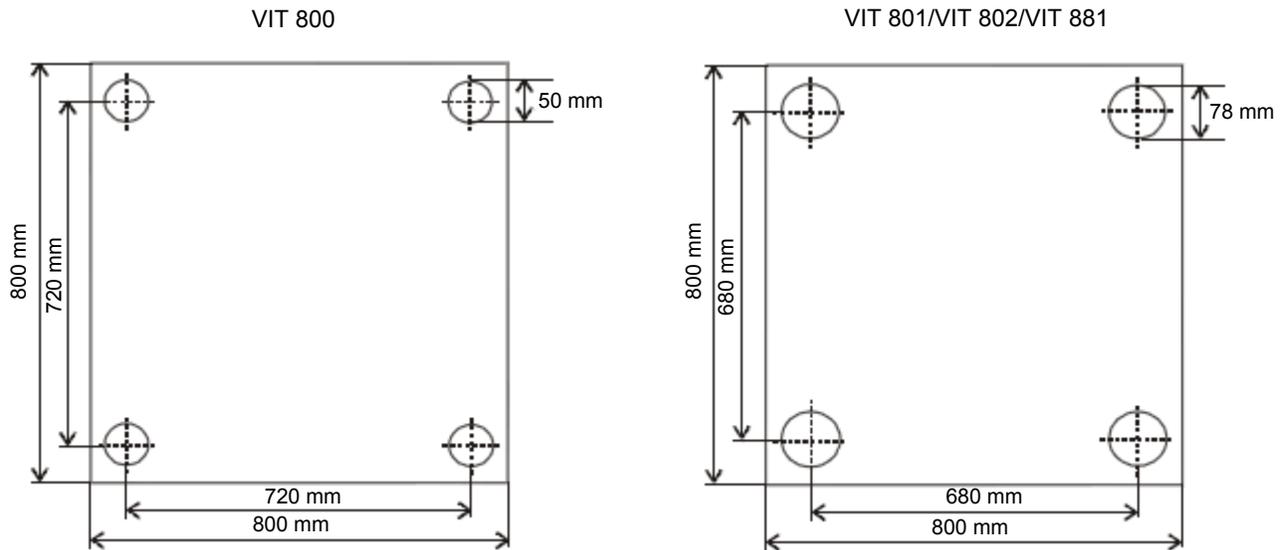
<b>Shipping Dimensions and Weight (approx. values)</b>	Probe station box	<ul style="list-style-type: none"> <li>• Dimensions: 1250 mm x 1250 mm x 760 or 1000 mm</li> <li>• Gross weight: 410 kg</li> </ul>
	Accessories box	<ul style="list-style-type: none"> <li>• Dimensions: 800 mm x 1200 mm x 800 mm (typical)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

## PM300 Dimensions



# PM300 Probe Station

## Vibration Isolation Table Dimensions (in mm)



© Copyright 2018 FormFactor, Inc. All rights reserved. No part of this document may be reproduced, transmitted or displayed in any form or by any means except as duly authorized by FormFactor, Inc. FormFactor and the FormFactor logo are trademarks of FormFactor, Inc. All other trademarks are the property of their respective owners.

### Important Notice

While the information contained herein is believed to be accurate as of the date hereof, no express or implied representations or warranties are made with respect to its accuracy or completeness. FormFactor, Inc., and its subsidiaries disclaim liability for any inaccuracies or omissions. All information is subject to change without notice.

Users are required to read and follow carefully all safety, compliance and use instructions. Users assume all loss and liability arising from the use of products in any manner not expressly authorized. The conditions and methods of use of products and information referred to herein are the entire responsibility of the user and, to the maximum extent permitted by applicable law, FormFactor, Inc., and its subsidiaries shall not be liable for any damages, losses, costs or expenses arising out of, or related to, the use thereof.

No license, express or implied, by estoppel or otherwise, under any intellectual property right is granted in connection herewith. Users shall take all actions required to avoid intellectual property infringement.

### Corporate Headquarters

7005 Southfront Road  
Livermore, CA 94551  
Phone: 925-290-4000  
[www.formfactor.com](http://www.formfactor.com)

