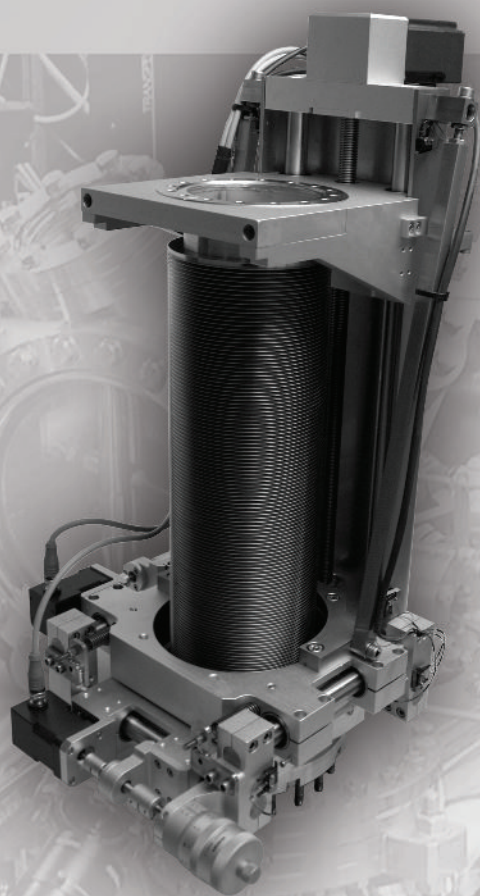




Surface Analysis and Vacuum Technology

High Precision Manipulator

HPM 100S



The HPM 100S is a shorter design of Omnivac's HPM 100 standard manipulator.

It offers a minimal Z-distance (mounting to travelling flange) of 220 mm with full $\pm 12,5$ mm XY square range and up to 1000 mm Z-range.

- compact design
- minimum Z-distance 220 mm
- up to 1000 mm Z-Range
- $\pm 12,5$ mm XY-Range
- DN 160 CF
- fully motorized

HPM 100S High Precision Manipulator

The HPM 100S is a shorter design of Omnivac's HPM 100 standard manipulator. It offers a minimal Z-distance (mounting to travelling flange) of 220 mm with full $\pm 12,5$ mm XY square range and up to 1000 mm Z-range.

Motion is possible via large barrel type micrometers with 5 microns graduations. These are easily interchangeable with stepping motor modules, while manual operation is still possible with removed motors.

HPM 100S, ± 12.5 mm XY-Manipulator

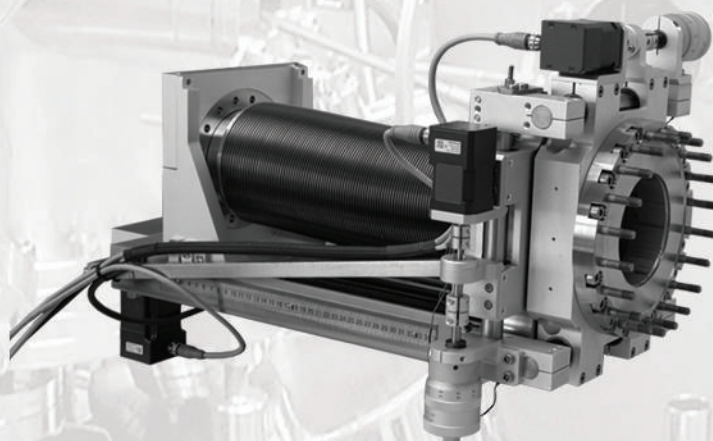
<i>Design</i>	DN 100/160 CF flange mounted XY-motion module
<i>Range</i> (full square range)	$\pm 12,5$ mm
<i>minimum Z-distance</i>	220 mm
<i>max. Z-range</i>	1000 mm
<i>travelling flange</i>	CF63/100
<i>Resolution</i>	5 μ m (manual) 0.5 μ m (motorized)
<i>Repeatability</i>	5 μ m (manual) 1 μ m (motorized)
<i>Max. speed</i>	2 mm/sec

► X-, Y-range
 $\pm 12,5$ mm

► resolution of
5 μ m (manual) resp.
0.5 μ m (motorized)

► minimum Z-distance
220 mm

► DN 160 CF
flange mounted



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