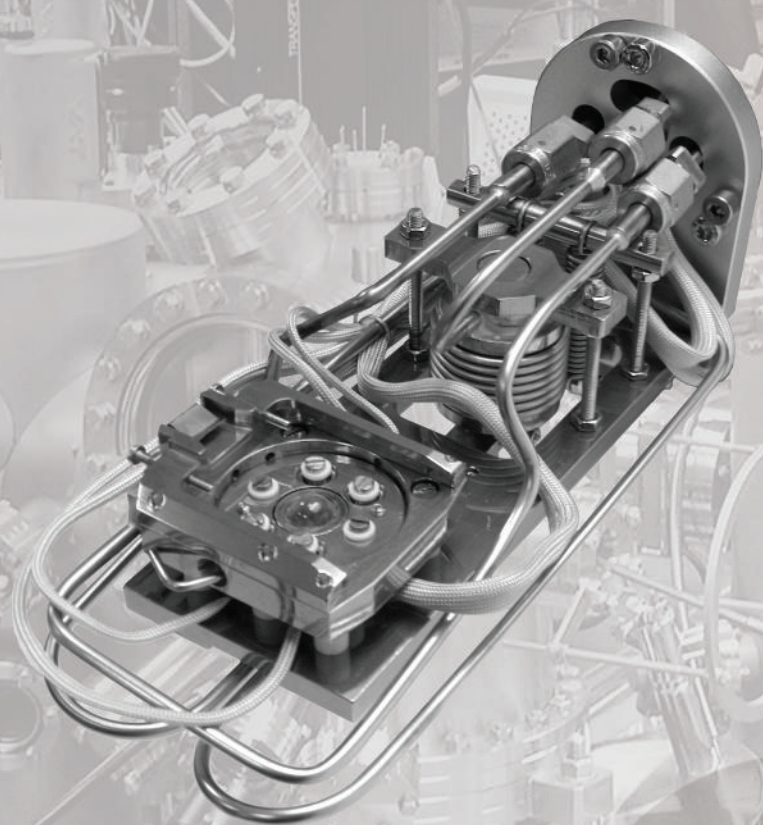




OmniVac

Surface Analysis and Vacuum Technology

Sample Holder Receiving Station SHR 100



Together with the **OmniVac SH Sample Holder series**, the **SHR 100 Sample Holder Receiving Station** provides easy and versatile access to your samples

■ for SH sample holder series

■ 6 electrical contacts

■ up to 3 axes

■ continuous cooling with LN₂ or LHe

■ continuous high precision azimuthal rotation

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SHR 100 Sample Holder Receiving Station

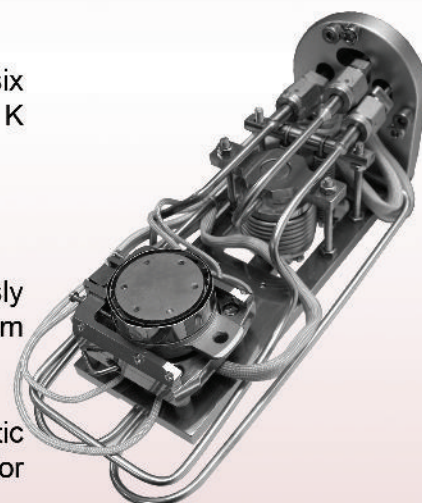
Together with the **OmniVac SH Sample Holder** series, the **SHR 100 Sample Holder Receiving Station** provides easy and versatile access to your samples.

The pneumatically driven mechanics establishes reliable contact for six electrical connections (e.g. type C thermocouple, heater, 2x Bias or type K thermocouple) as well as for the sapphire sphere equipped cooling finger.

The maximum heating or sample current is 15 A.

All electrical contacts, heating and cooling can be maintained continuously during sample positioning and rotation, which makes the SHR system unique.

The sample transfer station is completely built up of non-magnetic components and can be mounted with either fixed room coordinates or for position alignment on a rotatable HPM XYZ manipulator.



<i>Maximal temperature</i>	Depending on used sample holder 900 K with indirect heating through Cu plate 1300 K with indirect heating through Mo plate 1500 K with electron beam or direct heating Up to 2300 K with electron beam heating and reduced cooling capabilities
<i>Electrical contacts</i>	2 for thermocouple (Chromel/Constantan or Chromel/Alumel) 2 for resistive heater 2 free pins
<i>Cooling</i>	Cooling finger with sapphire sphere LN ₂ (<100K) or LHe cooling
<i>Sample holder locking mechanic</i>	pneumatic

- ▶ 6 electrical contacts
- ▶ continuous azimuthal rotation
- ▶ cooling option (LN₂, LHe)
- ▶ non-magnetic

Related products:

SH sample holder series
HPM manipulators
RDC 700 distribution chamber



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