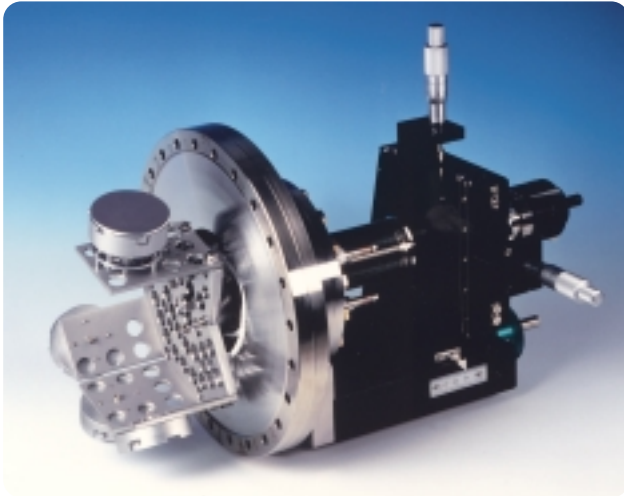


MSHT- 412



Typical manipulator for an MBE system, parking chamber of containing four parking positions for 2 inch substrate holders. One of the position is heatable to 1100 °C (optional 1300 °C).

This manipulator can be designed to fit into any customers chamber.

Technical Data

Standard :

Type	MSHT - 412
Sample holder	2 inch (or as specified)
Storage capacity	Four places
Heating system	Radiation heating, tantalum or tungsten wire, self-supported
Temperature range	1100°C (Ta - Filament) 1300°C (W - Filament)
Motion	X, Y ±12,5 mm, Z ± 35 mm
Rotation	PHI1 = ±175° (max.) PHI2=continuous
Conditioning	Heated to maximum
Shipping	Stainless steel container with valve

Options :

Other dimensions	As specified
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TRANSFER SYSTEMS

TRS



Transfer systems TRS are used to pick up sample holders and move them from chamber to chamber. Typically, we use a magnetically coupled transfer rod that has a square stainless steel shaft for the linear motion, that encloses the second rotary shaft, making the two motions independent of each other.

The mounted claw is individually designed for the different available sample holders.

- Magnetically coupled rotation and linear motion
- Vertical or horizontal mounting
- With flexible bellows for adjustment
- Customized sample holder claws
- High torque due to the use of CoSm magnets
- Any stroke available up to 1000 mm

Technical Data

Standard :

Magnet	CoSm
Torque	1,6 Nm
Bakeout temperature	250 °C

Custom :

Type	TRS 40 / TRS 63 / TRS 100
Flange	DN 40 CF / DN 63 CF / DN 100 CF or as specified
Felxible bellow	Available for all types
Claw for sample holder	As specified