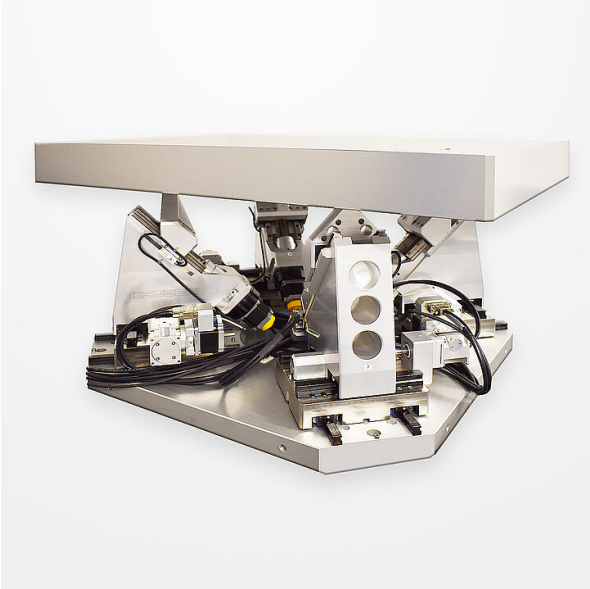


Quadropod Q-600

- multi-axis positioning systems possible by simple combination of stages (e.g. with 5102.20, 5103.20)
- use stress-relieved, highly resilient materials guarantees high system stability and long life
- high-precision worm gear drive with smoothed and tempered worm gear (self-locking)
- dovetail guides with fitted bronze slideway
- robust surfaces through galvanic anodisation
- two precision configurations

Dimension

L	B	H
1000mm	1000mm	600mm

Specification (maximum individual movements)

Travel ranges [mm]	X	+/-30
	Y	+/-30
	Z	+/-30
Angle ranges [°]	Rx	+/-5,6
	Ry	+/-5
	Rz	+/-5

Max. loads

Fmax (vertical)	Fmax (horizontal)
7000N	+/-2000N

Specification - translational motion:

	X1	X2	X3
Accuracy [µm]	<=+/-10	3	on request
Repeatability unidir. [µm]	<= 5	2	on request
Resolution [µm]	<= 3	1	on request
Flatness [µm]	<=+/-3	1	on request

Straightness [µm]	<=+/-3	1	on request
Yaw ["]	<=+/-8	4	on request
Pitch ["]	<=+/-8	4	on request
Roll ["]	<=+/-8	4	on request

Specification - rotarory motion:

		X1	X2	X3
Accuracy [µm]	<=	+/- 20	12	on request
Repeatability [µm]	<=	5	2	on request
Resolution [µm]	<=	3	1	on request

Application specific versions:

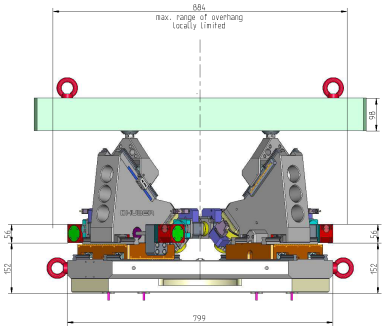
- vacuum suitable
- antimagnetic
- radiation resistant
- in black

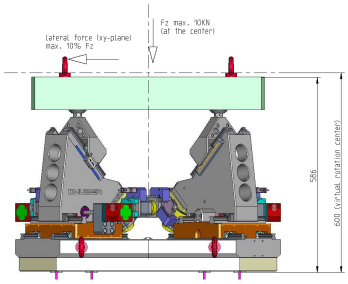
Controlling

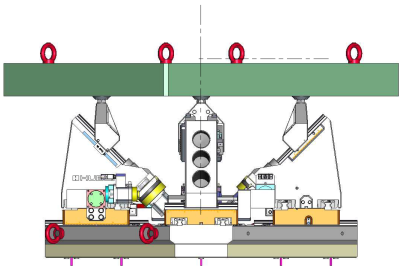
The Quadropod controlling is realized by a special developed controlling software in combination with an 8-axes stepper motor controller.

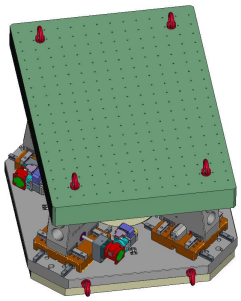
- centre of rotation is freely definable
- input of absolute position- and angle values
- optional: open or closed loop functionality
- interface for client connection
- remote operation via special command protocol

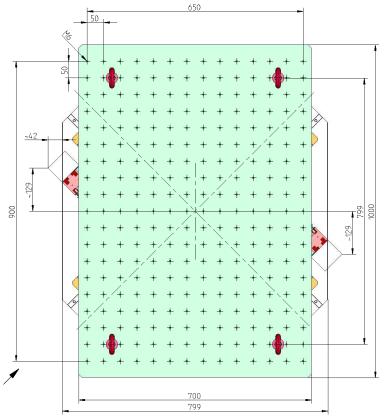


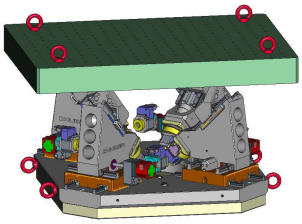












X = ± 30 mm RX = ± 4 °
Y = ± 30 mm RY = ± 4 °
Z = ± 20 mm RZ = ± 5 °
strokes related to the center of rotation (Z=600)