

MICOS

MOTION CONTROL & OPTICS **USA**

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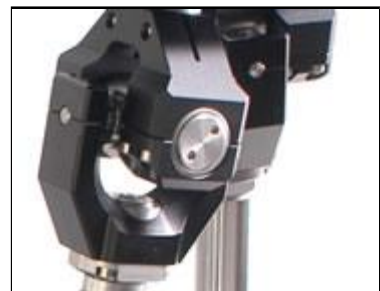
◀ 1.010 ▶ **Hexapod PAROS (2)**

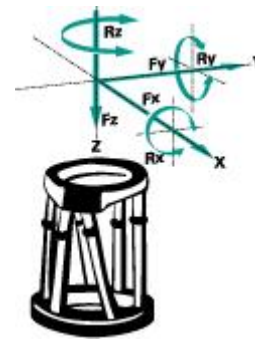
Systems




Key features

- Six axes **PA**rallel Robot Operating System
- Travel ranges linear 350 x 350 x 80 mm
- Travel ranges rotation Rx, Ry 40°, Rz, 100°
- Maximum speed 30 mm/sec (leg speed)
- Repeatability in space +/- 5µm
- High stiffness
- High dynamic
- Pivot point can be set by the customer
- User friendly software
- Load capacity central 150 kg
- Including software, controller and amplifiers





FACTS

Load Characteristics	Fx (N)	Fy (N)	Fz (N)
DC-B-025 	400	400	1500
DC-B-060	50	50	200

SOFTWARE

- Calculation of one motion path with collision detection
- Pivot Point can be set by the customer
- Graphic display of the robot from any view
- Digital display of position and orientation
- Control in Macro-language stored on own editor
- Control by 3D-space-mouse possible
- Jog mode

Technical data

Travel Range

X,Y (mm)	350 x 350
Z (mm)	80
Rx,Ry (°)	40
Rz (°)	100
VelocityRange (mm/sec)	0.01 ... 30*
VelocityRange (°/sec)	0.001 ... 10
BallscrewPitch (mm)	1

Bi-directional Repeatability (µm)

X,Y	+/- 5
Z	+/- 5

Bi-directional Repeatability (µrad)

Rx,Ry	+/- 75
Rz	+/- 450

Speedmax.

<u>DC-B-025</u>	
X,Y (mm/sec)	2.5*
Z (mm/sec)	2.5*
Rx,Ry (°/sec)	1.5
Rz (°/sec)	8

DC-B-060

X,Y (mm/sec)	30*
Z (mm/sec)	30*
Rx,Ry (°/sec)	15
Rz (°/sec)	30

Current(Amps) | Voltage (Volts)

<u>DC-B-025</u>	0.4 42
<u>DC-B-060</u>	1 30

Material

hardened steel, stainless steel, Aluminium black anodized

Weight(kg)

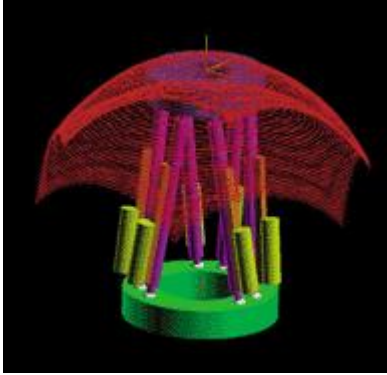
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Note: At present with DC-motor - *leg speed

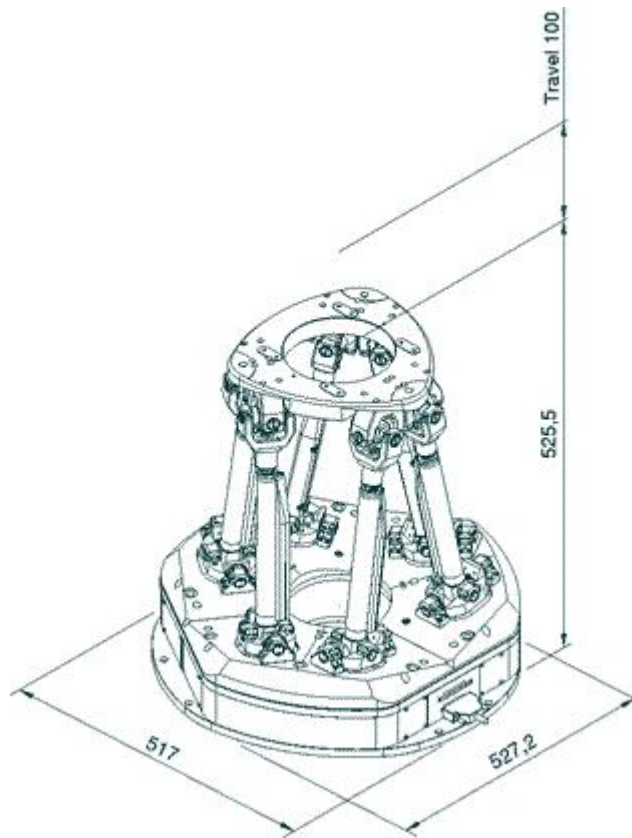
More info: Detailed information, concerning motor and connectors, see: Appendix

MOTION CONTROL Systems Positioners MiniPos DirectDrives Controllers ManPos Accessories Vacuum MAC PhotonX M A C

Paros System



space
aera



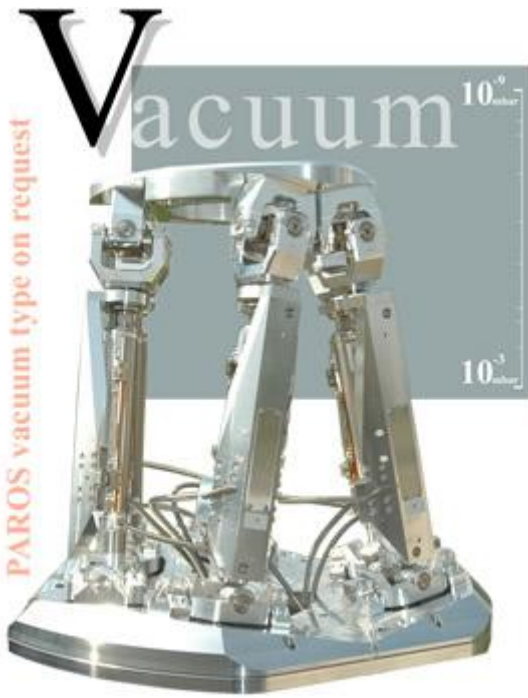
DC-B-025

DC-B-060


MOTION CONTROL Systems Positioners MiniPos DirectDrives Controllers ManPos Accessories Vacuum MAC PhotonX M A C

PAROS Ordering information

DC-B-025, gear-head 1
DC-B-060, direct-drive 2



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Founded in 1990, MICOS specializes in the development, manufacturing and marketing of ultra-high precision positioning components and systems for research and industry. We are experts in vacuum, ultra-high vacuum, clean room, and extreme climate environments down to 77 Kelvin. 

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