



PRESS RELEASE

10 April 2017

Q-845 Q-Motion SpaceFAB from Physik Instrumente

Warsash Scientific is pleased to announce the Q-845 from Physik Instrumente (PI), a new parallel kinematic system with a more compact design and higher resolution. Designed for highly accurate positioning with 6 degrees of freedom based on piezo inertia drives the Q-845 has the following key features:

- Travel range: $\pm 7\text{mm}$ in XY and $\pm 5\text{mm}$ in Z
- Minimum incremental motion: 6nm in XY and 20nm in Z
- Rotation range: $\pm 7^\circ$ in θ_x , θ_y and $\pm 8^\circ$ in θ_z
- Minimum incremental rotation: $0.9 \mu\text{rad}$ in θ_x , θ_y and θ_z
- Load capacity: 10N
- Vacuum compatible: 10^{-6} hPa
- Self-locking, no heat generation at rest

Applications include:

- Photonics alignment applications
- Beamline systems
- Microscopy
- Semiconductor technology
- Photonic device assembly

For more information, contact Warsash Scientific on +61 2 9319 0122 or sales@warsash.com.au.

