

High Load, 6-Axis-Parallel Kinematic Positioning System



Newport Corporation, a worldwide leader in laser and photonic solutions that Make, Manage and Measure Light®, introduces the HXP1000 Hexapod, a high load, 6-axis-parallel kinematic positioning system that can accommodate a centered load of 450 kg or a load of 200 kg in any orientation. The large hexapod is extraordinarily compact for its load capacity, measuring 550 mm diameter and 395 mm at its nominal height. Key features include long travel ranges, fast speeds, high stiffness and stability, and two software settable pivot points.

The simple to use HXP1000 Hexapod is ideal for motion positioning tasks that require up to six degrees of motion and flexible coordinate systems or pivot points. Applications include optics and satellite assembly and testing, wafer alignment and bonding, X-Ray diffraction, biotechnology, surgery, materials analysis, astronomy, micromachining/micro-manipulation, sensor calibration, and simulation.

The high quality actuators and the backlash-free cardan joints enhance both the repeatability and the positioning performance of the new hexapod. The HXP1000 system has no moving cables and no accumulation of motion errors, making it highly reliable in advanced positioning applications. Customized configurations are also available.

Newport Corporation

800-222-6440; www.newport.com [1]

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