



Press Release

Pratt & Whitney offers most Accurate, Direct-Reading, Gage Block Comparator

Bloomfield, CT, April 11, 2004 – Pratt & Whitney will showcase their Labmaster Standard measuring instrument at this years EASTEC trade show. The digital, laser interferometer-based Labmaster Standard has been developed by Pratt & Whitney for gage calibration laboratories that need to precisely measure length, outside diameter, linear displacement, and thickness. Popular measuring applications include: gauge blocks, ball bearings/spheres, pin and plug gages, thread wires, and film thickness.

The Labmaster Standard is computer-controlled with a motorized probe, providing automatic cycling for user-defined gage measurements over a large, 8-inch (200 mm) measuring range. The standard, constant measuring force is precisely 0.5 oz (14 g), with optional force configuration settings from 2-40 oz. (50-1100g). A rigid, low-expansion granite base provides for a stable foundation. Specially designed hold-down anvil fixtures ensure measurement system integrity. These features ensures instrument uncertainty to 2 millionths of an inch (0.05 microns).

The GageCal[®] automatic tolerance software controls the operation of the Labmaster Standard and facilitates data collection. Dimensional data can be transferred to Microsoft Word, Excel, and most popular gage management programs.

Pratt & Whitney designs, manufactures, and services metrology systems used in gage calibration laboratories throughout the Americas, Europe and Asia. Pratt & Whitney product lines include: gage calibration instruments, comparators, height gages, checking instruments, roundness gages, thickness measuring instruments, geometry & form metrology systems, laser measuring machines, laser micrometers, material testing instruments (tensile/compression), torque instruments, as well as master and setting gages.

Specialty applications such as gears, bearings, shafts, balls, optics, films, API threads, tapers, rings, gage blocks, or your precision components can also be measured on P&W instruments.

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