



FOR IMMEDIATE RELEASE

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CMT® Precision Tester

“Gauge for Yourself!”

Demonstration of Keyless Hub to Shaft vs. Set Screws & Pins at ATX West 2016



Hanover, MA - January 21, 2016 - Custom Machine & Tools Co., Inc., will demonstrate the revolutionary patented keyless Concentric Maxi Torque (CMT®) bushing in Booth 4142 at the ATX West Show in Anaheim.

Engineers at Custom Machine & Tool Co., Inc. found that fasteners used to connect components to high-speed shafts had to have low inertia and few vibrations. They also knew that component alignment, accuracy, holding ability, and runout became more critical at higher speeds. There was not a compact bushing for shafts less than an inch in diameter that could handle all these tasks.

So they decided to design and build one. The result, the Concentric Maxi Torque bushing.

How It Works: A single setscrew can lock the low-taper angle-split bushing in place without cocking, using a locking-taper design. The same screw is also used to unlock the connection and let users reposition the bushing and component. Bushing applies uniform force along its full contact with the shaft. And the bushing can be detached, moved and reattached multiple times without damaging the shaft or losing holding torque. The bushing has low inertia, so there's better shaft-to-component balance. They come in sizes to cover bores from 0.125 to 1.1875 in. (2 to 30 mm) with torque capacities from 35 to 3,500 in. lb. (4 to 410 Nm). Radial runout is less than 0.001 in. (0.026 mm).

Custom Machine & Tool Co., Inc. has been a US manufacturer of timing pulleys, drive systems and components for the motion control and power transmission markets since 1964.

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