

Engineering Solutions for Motion Control Applications



"The right locking mechanism can help reduce product costs through decreased downtime, equipment repairs and product loss. Our engineering department works closely with customers to help them determine the most appropriate locking technique for their application.

We want our customers to be aware of all of the different ways in which Torque Transmission is able to tailor pulley to shaft locking."

John Rampe,
President,
Torque Transmission

Torque Transmission, Fairport Harbor, OH – March 15, 2007

Application-Matched Technologies Improve Pulley to Shaft Locking

Pulley to shaft connections have become more important as the stresses placed upon the overall system have increased. The latest generation of [synchronous timing belts](#) produce higher torques and therefore, require stronger shaft locking designs.

Manufacturing engineers are faced with the following challenges

- Increase machine speeds
- Decrease vibration and inertia
- Achieve high-precision forward and reverse indexing
- Maintain critical component alignment and run out

[Torque Transmission](#) has multiple options for customers requiring application-specific shaft locking mechanisms for its line of [Timing Pulleys](#), [Variable Speed Pulleys](#), [V-Belt Pulleys](#), [Round Belt Pulleys](#) and [Roller Chain Sprockets](#) including:



**Keyways
Set Screws**



D-Bores



**Torque-Lok® with
CMT® Shaft Locking
Mechanisms**



**[Clamping
Locking Collars](#)**



**Metal-Web Plate
with Mounting
Holes**

For more information, contact Torque Transmission at 800-544-6642 or visit www.torque-transmission.com