

## Productivity Solutions for High Speed Index Packaging Machinery

*Climax keyless locking devices ensure required positional accuracy and repeatability is achieved from drive line components, and eliminate keyed connection failure.*



When high volumes are desired the most common approach is through the use of high speed index packaging machinery. These machines are capable of performing simultaneous actions at multiple stages of the production process, consequently reducing cycle times. The strenuous demands on the machines, especially the requirement of positional accuracy and repeatability from its drive line components, can cause keyed connections to wear out, become out of sync, and break down over time.

Climax keyless locking devices are designed to use in place of keyed connections. KLDs, when used in servo driven sprocket drive systems, deliver zero backlash without accumulated wear or erosion of performance. Installation and removal is performed using simple hand tools when maintenance is required.

### Issues with Traditional Methods in Rotating Applications:

- Keys, keyways, and set screws can damage the shaft and are prone to fretting corrosion
- Shrink and press fits are costly and difficult to install and remove
- QD/Taperlock bushings use keyways where wallowing occurs causing fretting and backlash

Climax Metal Products offers the PT market an unparalleled combination of product quality, extensive inventory, design and application acumen, and flexible manufacturing with attractive lead times. We have unsurpassed knowledge about Keyless Locking Devices and their application.

