

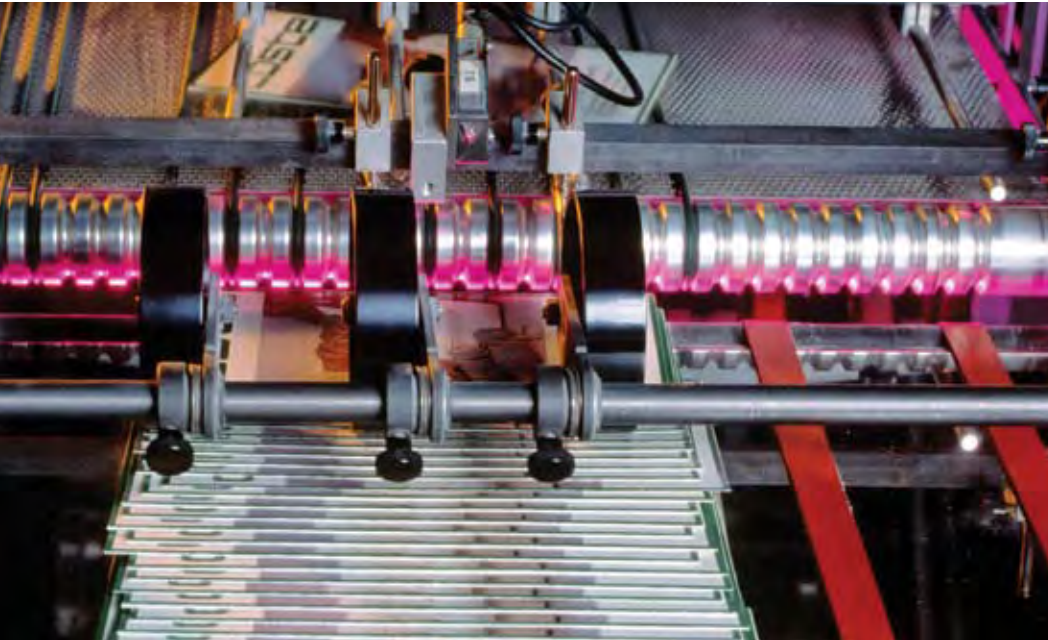


Kaman Industrial Technologies

KAMAN

Focus On **Printing**

Thomson Products Meet the Most Demanding Needs of the Printing Industry



Thomson marshals decades of application experience and the broadest selection of mechanical components to meet the most demanding needs of the printing industry. Experience ensures the optimum balance of performance versus installed costs. Thomson products provide smooth, accurate and reliable operation. Lean manufacturing and a global network of stocking distributors deliver the products fast.

Thomson invented anti-friction linear technology over 60 years ago and has continued to lead the industry ever since. The Thomson brand is recognized and trusted as the global leader in linear motion technology.

- » Broadest line of mechanical components for linear motion
- » Customization is standard
- » Optimal balance of machine life and performance vs. installed costs
- » Fast time-to-market
- » Speed, throughput, accuracy
- » Contamination and corrosion resistance
- » Minimum maintenance



True Planetary™ Gearheads

Planetary gearheads are used on high precision motion control printing applications which require a high torque to volume ratio, high torsional stiffness and low backlash. Thomson offers these precision planetary gearheads for all duty cycles, and all with RediMount compliant mounting systems.



THOMSON™



Profile Rail Linear Guides

We are a “one-stop shop” for all your profile rail needs with our high-performance profile rail linear guides, ranging from the ultra-lightweight T-Series (Transport Profile Rail) and compact stainless steel MicroGuide to the ultra-rigid 500 Series Roller (machine tool grade). These guides provide long life and are produced from high quality bearing steel.

- » Metric sizes ranging from 5 mm to 65 mm (.2 to 2.5 inch)
- » Load capacities up to 530 kN (119,000 lb)
- » Exceptional straightness and high rigidity
- » High dynamic, static and moment load capacities
- » Simple installation and greater accuracy with joint-free rails up to 6 m (20 ft)
- » Smooth, quiet movement and on site field modifications

Linear Ball Bushing® Bearings and 60 Case™ Shafting

Thomson invented the ball bushing bearing over 60 years ago and has since been the recognized leader. Our linear products provide low friction, smooth, accurate, straight-line motion. Offering the widest range of bearings and accessories, we easily satisfy the widest range of requirements with the best performing product for the application.

RoundRail™ Linear Ball Bushing® Bearings

- » Most extensive product offering in the industry
- » Cutting-edge segmented technology

60 Case™ Shafting

- » Extends service life as much as 50% when used with Thomson Ball Bushing Bearings
- » Available in a number of proprietary materials and coatings
- » Diameters from 5 mm to 80 mm (1/8 inch to 4 inches)
- » Lengths to 7.6 m (25 ft)
- » Custom machining capabilities – drive shafts, spindles, guide rods, rolls, etc.

Clutches and Brakes

Danaher Motion has a long history of manufacturing quality clutches and brakes. At our roots are strong brand names such as Deltran, API (American Precision Industries) and Warner PSI, coming to you now as Deltran. We have over 100 years of combined manufacturing experience in the printing industry and proven ability to provide world class Wrap Spring and Electromagnetic Friction Clutches and Brakes.

- » Power on and power off models offered in a variety of configurations
- » Spring set brakes for static holding and dynamic stopping are available
- » Product families include power on and power off friction, multiple disc, tooth, spring set, and other electromechanical technologies
- » Torque ranges from less than 0.1 Nm to over 500 Nm (1 in-lb to 370 ft-lb)
- » ISO9000:2001 and AS9100 certified

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www.kamandirect.com