

Linear
MOTIONEERING
Tools



Micron
MOTIONEERING



Product
Selectors



Interactive
3D Models



Precision
Ball Selector



Motioneering
Toolbar



Thomson[®] Motion Solutions For Achieving Longer Stroke Lengths Up To 12 Meters

There are many industrial applications requiring linear motion, and for most applications this is served by a conventional belt or screw drive system. Both have advantages and disadvantages and meet the needs of most applications well.

But what are the options when your application demands a longer linear stroke length?

Find out more about the challenges and solutions for long stroke linear motion:



Thomson's components meet virtually every linear motion system need.

[Read more in UK's Design Solutions magazine >](#)

[View Linear Motion Systems Website >](#)

+ education/events

NEW: Thomson Tech Tips Video



Introducing Thomson's patent-pending Taper-Lock technology for new Motorised Lead Screws.

The precision-engineered motorised lead screw units from Thomson combine a hybrid stepper motor and a lead screw in one compact envelope to provide clear advantages with a solution that is smaller, stronger, and more efficient than alternate technologies.

The innovative Thomson **Taper-Lock** allows engineers to **decouple the lead screw in the field without removing the stepper motor.**

Look at how to easily service the Thomson Motorised Lead Screw in the field:



[Watch the video now >](#)

Precision Rolled Ball Screws in 3D



Download precision rolled ball screws in 2D + 3D for each application demand in material handling, medical, machine tool, packaging.

Thomson rolled ball screw assemblies are rolled up to an **accuracy of $\pm 12\mu\text{m}/300\text{mm}$ (P3)** and ball nuts include one of three unique ball return systems (depending on the diameter and lead of the screw used).

They provide quiet, smooth running, great guidance, low wear and efficient performance.

Thomson is specialised in custom engineered solutions to address individual requirements.

Download free 3D models now >

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