

E-Series screw jacks offer many options

Fraserburgh, Scotland, January 2010. Linear motion specialist Power Jacks offers E-Series screw jacks. The design features a precision worm gear set, powerful lead screw, robust housing, two integrated lubrication mechanisms and a comprehensive range of options.

The basic unit is designed to allow fitment of one of the three main lead screw types of machine screw, ball screw or planetary roller screw. Each of these types is available in translating or rotating screw configuration. From this point the number of possible variants grows exponentially to meet customer solutions and include anti-backlash, anti-rotation, safety nut, motor drive, limit switches and even a complete stainless steel version. The screw jacks are installed singularly or as part of multi-unit jacking systems. Since the E-Series range of screw jacks extends to a design with a nominal capacity of up to 3500 kN, the potential actuation force of a jacking system is massive.

In addition to these standard variants, Power Jacks' engineering team can provide fully customised products and solutions. "This classic single face screw jack is one of the most widely used and popular screw jacks worldwide," says Bruce Hamper, Customer Service and Marketing Director with Power Jacks in Fraserburgh, Scotland. "It has proven its capability in the most demanding linear motion applications whether as a standard design or a customised solution." E-Series screw jacks catalogues, maintenance manuals, 2D drawings and 3D CAD models can be downloaded at Power Jacks' website at www.powerjacks.com.

Picture:

E-Series metric single face screw jacks from Power Jacks. From left to right:

Ball screw jack - translating, upright;

Ball screw jack - translating, inverted;

Machine screw jack - rotating, upright;

Machine screw jack - rotating, inverted.

Information about Power Jacks:

Power Jacks Ltd. is a leading manufacturer for precision linear actuation, power transmission and mechanical jacking. The company is based in Scotland where its history for supplying high quality engineered product dates from 1903. The product ranges are detailed on the website www.powerjacks.com and include screw jacks, electric linear actuators, mechanical jacks, bevel gearboxes, planetary roller screws, reduction gearboxes, winches and rotary unions. They can be supplied worldwide singularly or as complete systems, whether in standard or specially engineered designs.

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TPR International would be grateful for a sample copy of the publication with this article.