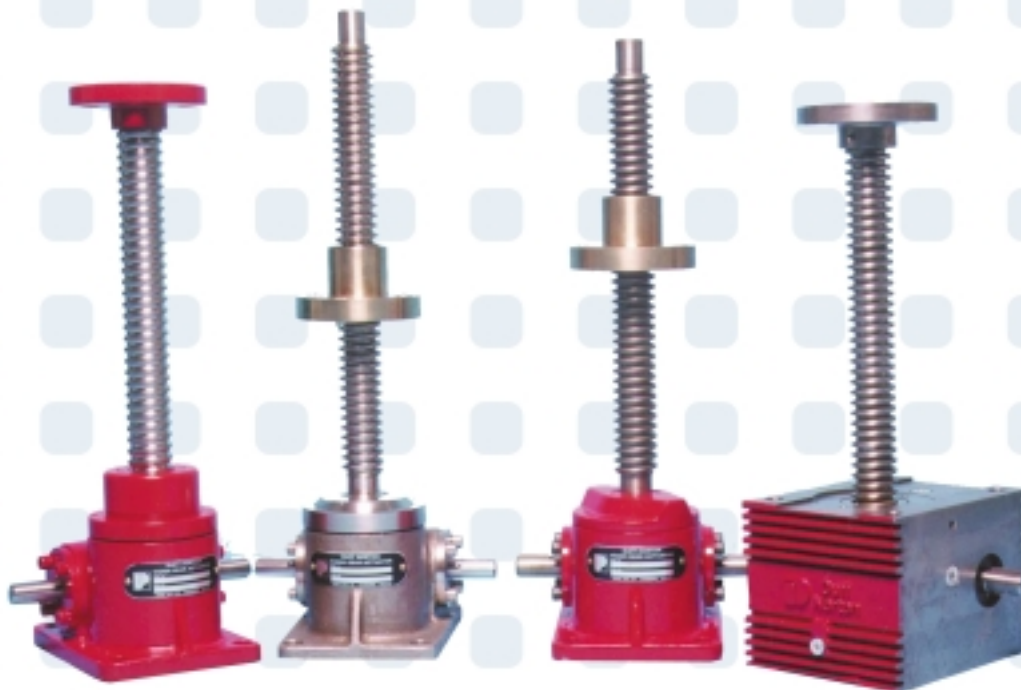




## wormgear screwjacks





### Mechanical Machine Screw Jacks 5kN – 1000kN Capacity

Power Jacks is the largest and most experienced manufacturer of mechanical screw jacks in the UK. With over 2 million products in the field, you are assured of quality, reliability, performance and value.

Mechanical machine screw jacks are available from the standard range in capacities from 5kN to 1000kN (Metric) and 0.25 – 250 tons (imperial).

Standard classic and sym-metric screw jack configurations include upright or inverted translating screw units with top plate, clevis or threaded end on lifting screw and the option of keyed lifting screw or anti-backlash feature, and upright or inverted rotating screw with flanged lifting nut.

Machine screw jacks offer positive mechanical actuation, precise positioning and uniform lifting speeds and can be used to push, pull or position loads, apply pressure or as linear actuators.

Our wide range of standard machine screw jacks offers you the combination of design flexibility and economy, with a standard model available for almost any requirement.

Equipped with the latest CAD/CAM technology, Power Jacks is equipped to design custom built "special" screw jacks to suit all customer requirements. With our experienced team of application engineers, we pride ourselves in determining the right product to fit your needs.



*Please ask for our separate 150 page screw jack design guide for specifying these products.*



## wormgear screwjacks

### Mechanical Ball-Screw Jacks 25kN – 200kN Capacity

Ball screw jacks are available with capacities from 25kN- 200kN (metric) and 0.5 – 50 ton (imperial) with upright or inverted and translating or rotating screw configurations offered as standard.

The metric series includes an integral safety device as standard on all models.

Ball screw jacks are typically used for high speed or high duty applications. The high efficiency and positive action of the low friction ball screw and nut design provide longer life at load and require less power than machine screw jacks to achieve a specified thrust.

Designed and manufactured to the same rigorous high standards as our machine screw jacks, ball screw jacks offer the ideal solution to many linear positioning applications.



### Stainless Steel Screw Jacks 5kN – 1000kN Capacity

Stainless steel screw jacks incorporate the same wide range of features and configurations as our standard machine screw and ball screw jacks. They are ideal for use in harsh or corrosive environments such as food processing or the paper industry where standard materials may be inadequate.

All exposed surfaces such as the lifting screw, housing, shell cap, dust guard etc. are manufactured from 316 stainless steel or chrome plated carbon steel depending on the dynamic operating capacity required.



*Please ask for a CD-ROM with 2 interactive design guides, 4 product guides and CAD drawings or download from our web-site at [www.powerjacks.com](http://www.powerjacks.com)*



**Motor Adaptors**



**Bellow Boots**



## Screw Jack Accessories

Power jacks have a comprehensive range of screw jack accessories including geared motors, bevel gearboxes, couplings and motion control systems.

A turnkey actuation solution can therefore be provided to the customer whether it be for singular or multiple screw jack systems.

**Drives and Controls**



**Gear Boxes**



**Rotary Limit Switches**



**Flexible Couplings / Shaft Couplings**



## Typical Applications

There over two million Power Jacks actuators operating successfully in a wide variety of industries including paper, food processing, glass, plastics, textiles, nuclear, water, steel, aluminium, automotive, rail, aerospace, medical, communications and leisure. The applications are wide, varied and ever increasing as pneumatic and hydraulic technologies are replaced by what can be a cleaner, quieter and more reliable solution.

**Roll Forming Machine**



**Printing Press**



**Plate Leveller**



**Railway Carriage Lift**



**Tube Straightening Machine**



**Satellite Dish Positioning**



**Aircraft Access Equipment**



**Medical Examination Table**

