

## Thomson

Qel j p l k products have been improving the efficiency and productivity of complex manufacturing operations for over 70 years through trusted brand names such as Dover, Kollmorgen, Pacific Scientific, Portescap and Thomson. Our breakthrough innovations are based on application experience around the globe and across many industries.

Through our trusted brand names we offer customers an unprecedented choice in selecting the right solution to match specific application requirements. Our growing family of leading motion control products and our application expertise tells only half the story. With a worldwide service and support infrastructure, our field service engineers and support teams are available to assist whenever they are needed.

The main markets for Qel j p l k includes:

- Flat Panel Display
- Semiconductor
- Medical
- Robotics
- Lift Trucks
- Automated Guided Vehicles
- Mobile-Off-Highway
- Personal Mobility
- Electronic Assembly
- Textile
- Materials Handling
- Packaging & Converting
- Aerospace & Defense

More information on what Qel j p l k can do for you can be found on [www.qel.jp.lk](http://www.qel.jp.lk).



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## Making Linear Motion Easy



Linear Motion. Optimized.™

## Thomson

Thomson have for decades been developing, manufacturing and marketing linear motion products used in demanding applications all over the world. We are specialized in customized linear solutions and making linear motion easy and reliable. Based on our standard range of products we work closely with our customers and partners to find cost effective solutions for any application no matter of the market.

Thomson is a well-known supplier in the field of Factory Automation. The large range of linear units in combination with several patents and a vast range of accessories makes Thomson the perfect choice in any application where linear units can be used.

Thomson also has long time experience in the Materials Handling market. The Movorail overhead rail system and our range of telescopic lifting units are just two of all our product that are used all over the world by system builders in the field of materials handling.

During many years Thomson's linear actuators has been a well-known product for the Mobile-Off-Highway market and now also in the Health and Fitness market. The product line offers strong, reliable and flexible actuators for a vast range of applications. We have successfully supplied actuators to manufacturers of combine harvesters, garden tractors, boats, construction equipment, railway vehicles and hospital and handicap equipment just to mention a few. In every application where solid performance is a must, Thomson actuators is the choice.

## Distribution network

Thomson's network of carefully chosen partners around the globe is dedicated to match our mechanical components with suitable drives, controls and other accessories to meet the demands of any type of linear motion application. In this partner network a wide range of different companies are included. To find the closest and most suitable partner contact for you look at our website or call our helpdesk for more information.



Linear Motion. Optimized.™

## Factory Automation

The Factory Automation market segment mainly finds customers through two major product lines, the Linear Units Range and the Handling Components. Our major customers are found among the automotive industry, system houses, machine builders, packaging industry, wood industry, paper industry, printing industry and food industry.



### Linear Units Range

#### Linear Units

- 31 different models available
- Stroke up to 12 m, load up to 12000 N and speed up to 10 m/s
- Slide, ball or wheel guided models
- Belt or ball screw driven models
- Models with screw supports
- Large range of options such as motors, gears, sensors, mounting brackets etc.



#### Linear Lifting Units

- Five different models available
- Developed for lifting operations
- Models with telescopic motion
- Stroke up to 3 m, load up to 7500 N and speed up to 10 m/s
- High side load capacity
- Belt or ball screw drive.



#### Linear Rod Units

- Three different models available
- Heavy duty industrial actuators
- Perfect for hydraulics replacement
- Stroke up to 2 m, load up to 40000 N and speed up to 2 m/s
- 100 % duty cycle.



#### Dynamic Servo Actuators

- Linear units and linear rod units with gear, servo motor, servo drive, cables and sensors
- Digital servo drive with integrated positioning control
- Assembled and tested from factory
- Stroke up to 9,9 m, load up to 38800 N and speed up to 4 m/s
- 100 % duty cycle.



### Handling Components

#### Movorail Overhead Crane Rail System

- Light weight overhead crane rail system
- Anodised aluminium profiles
- Five sizes available
- Modular concept
- Easy to install, no welding or painting required
- Large range of suspensions and trolleys available
- Accessories such as current track, switches, turntables, cable trolleys and motorized trolleys available.



#### Tollbelt Linear Transfer Units

- Four sizes available
- For horizontal operation only
- Stroke up to 20 m, load up to 600 kg and speed to 5 m/s
- Belt drive with wheel guided trolleys.



## Mobile-Off-Highway

The Mobile-Off-Highway market segment is based on linear motion solutions using the Electrak Linear Actuators product line. Our major customers are found among suppliers of equipment and machinery to the following industries: agriculture, forestry, turf and garden, construction, railway, cleaning, marine, ventilation and military and defence.



#### Electrak LA Series

- Five basic versions
- Very robust
- Standard stroke up to 600 mm
- Load up to 8800 N
- Speeds up to 75 mm/s
- 12, 24, 36 Vdc and 115, 230, 400 Vac supply voltages available
- Ball or acme screw drive
- IP65 or IP45 protection
- Options such as handwind, feedback potentiometer, mounting kits, custom colours and sensors available.



#### Electrak E Series

- Two models, E050 and E150
- Stroke up to 400 mm
- Load up to 2000 N
- Shortest retracted length in the industry (E050)
- Speed up to 70 mm/s
- 12, 24 or 36 Vdc supply voltages available
- Lightweight
- Adjustable end of stroke limit switches as option (E150)
- Options such as feedback potentiometer, limit switches and mounting kits available.



#### Electrak PPA Series

- Stroke up to 900 mm
- Load up to 10600 N
- Speed up to 140 mm/s
- 12, 24, 36, 90 Vdc and 110, 220 Vac supply voltages available
- Ball or acme screw drive
- Mechanically synchronized versions
- Options such as feedback potentiometer, hall effect feedback sensors, limit switches and mounting kits available.



## Health and Fitness

The Health and Fitness market segment are a fast growing segment where we can offer motion solutions from our product lines Electrak and Qtrak Linear Actuators, LoadMaster Rodless Actuators and Actuator Controls. Important customers are those manufacturing patient lifts, electrical wheel chairs, handicap adapted vehicles and rehabilitation equipment.



#### Qtrak Series

- Low noise, designed for domestic, hospital and office use
- Stroke up to 200 mm, load up to 500 N and speed up to 30 mm/s
- 12, 24 and 36 Vdc supply voltages available
- End of stroke limit switches
- Options such as feedback potentiometer and mounting kits available.



#### LoadMaster Series

- Self supporting rodless actuator
- Two versions, for vertical or horizontal mounting
- Silent operation for for domestic, hospital and office use
- Stroke up to 1500 mm, load up to 2000 N and speed up to 70 mm/s
- Load torque up to 750 Nm
- Durable, corrosion free and lightweight
- Ball or trapezoidal screw drive available
- Options such as encoder feedback and spline safety function available.



#### Telescopic actuators

- Two versions available, DM and TC
- DM for rugged industrial and mobile use
- TC for domestic, office, hospital and mobile use
- Stroke up to 600 mm (DM) and 400 mm (TC)
- Load up to 18000 N (DM) and 2000 N (TC)
- Encoder feedback option available for TC models.



#### Actuator Controls

- 12, 24, 36 Vdc and 230 Vac supply voltages available
- 12, 24 or 36 Vdc output voltages available
- Models with double synchronized outputs for parallel operation available
- End of stroke limit switch inputs or ELS (Electronic Limit Switches) available
- Hand controls available.



## Customized Products

The Customized Products market segment is an important segment where our experience and knowledge in linear motion solutions are put to test. We are interested in studying any project involving linear motion technology and has provided solutions for furnitures, patient lifts, respirators and X-ray equipment to mention just some.



#### Assemblies

Assemblies consist of pre-assembled linear transmission modules. It can be anything from a simple ball screw with machined ends fitted with a ball nut or more complex components where gears, couplings, brakes, motors, etc. are fitted to meet specific application needs. Assemblies is a great way for customers to reduce the assembly time and storage area as we can supply assemblies just-in-time.



#### Customized Products

Customized products are fully functional products developed for a specific function such as driving mechanisms, holding brakes and units for tilting, lifting or positioning. They often consists of both mechanics, electronics and other technologies and are fully tested before shipment. CE-marking compliance, another important topic, is also something we can take care of. In all, customized products are very beneficial as we take care of the whole process from idea to delivery.



#### Customized Standard Products

All our standard products, from Movorail and Electrak Actuators to our Linear Units can be customized and shipped according to customer request. Examples of customization are units with motors, gears and flanges installed, units with custom color, units with customized mounting equipment or units customized for specific environments.

