





















	<b>ALPHA</b> High Precision Gearboxes.....	<input type="checkbox"/>
	<b>AMPHENOL</b> Socapex Connectors.....	<input type="checkbox"/>
	<b>CMC</b> DC Motors and Drives.....	<input type="checkbox"/>
	<b>DIELL</b> Sensors.....	<input type="checkbox"/>
	<b>ELGO</b> Position Controls.....	<input type="checkbox"/>
	<b>EUCHNER</b> Safety Switches.....	<input type="checkbox"/>
	<b>HELUCABLE</b> Specialist Cables.....	<input type="checkbox"/>
	<b>CHAINFLEX</b> High Flexible Cable.....	<input type="checkbox"/>
	<b>HEMA</b> Bellows and Protective Systems.....	<input type="checkbox"/>
	<b>HUMMEL</b> Cable Glands.....	<input type="checkbox"/>
	<b>IGUS</b> Energy Chain Systems.....	<input type="checkbox"/>
	<b>IGUS</b> Bearings.....	<input type="checkbox"/>
	<b>ILME</b> Multipole Connectors.....	<input type="checkbox"/>
	<b>MOOG</b> Servo Motors.....	<input type="checkbox"/>
	<b>NEFF</b> Linear Actuators.....	<input type="checkbox"/>
	<b>NOVOTECHNIK</b> Linear Position Transducers.....	<input type="checkbox"/>
	<b>PEERLESS</b> DC Motors.....	<input type="checkbox"/>
	<b>PILZ</b> Safety Relays / PLC's.....	<input type="checkbox"/>
	<b>PMA</b> Flexible Conduit Systems.....	<input type="checkbox"/>
	<b>SCHLEICHER</b> Electronic and Mechanical Relays.....	<input type="checkbox"/>
	<b>TEKEL</b> Encoders.....	<input type="checkbox"/>
	<b>WENGLOR</b> Photo Optoelectronic & Laser Sensors.....	<input type="checkbox"/>
	<b>WITTENSTEIN</b> Drive Solutions.....	<input type="checkbox"/>

For further information on these products please tick appropriate box and Fax back to **(02) 9907 1778**

**NAME:** \_\_\_\_\_

**COMPANY:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_

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## Treotham Trading Acquires **NUMERICON** PTY. LTD.

Treotham Trading has acquired component specific lines from Numericon. Products acquired include:

- Alpha Getriebbau precision planetary gearboxes.
- Euchner switches.
- Diell photoelectric and proximity switches.
- Moog ac brushless server motors and drives
- Tekel optical encoders
- Neff linear actuators.
- CMC DC servo motors.
- Peerless Electric DC servo motors and gearboxes.
- Elgo Electric counters and magnetic length measuring systems

Managing Director of Treotham Trading, Mikael Paltoft, says these new product lines will further expand Treotham's push into all the industrial markets.



### Treotham Moves in to new Premises

Treotham Trading would like to welcome all our valued clients to our new and improved office and warehouse in Brookvale. With nearly 3 times the size of our previous premises we are now able to offer our clients an even more comprehensive service than ever before.

Exhibitions  
Exhibitions  
**Exhibitions**  
2004



### National Manufacturing Week

1-4 June 2004  
Sydney Convention Centre  
Stand No: 3019

### Automate 2004

October 5-7 2004  
Melbourne Exhibition Centre  
Stand No: B9

### QMAN

October 19-21 2004  
Brisbane Convention Centre  
Stand No: 1704





**IGUBAL**

## Clip bearings to keep you in line

WHENEVER borings in sheet metal applications are not in true alignment, igubal clip bearings, can be used because a two piece design and a mobile universal ball joint enable a compensation for any misalignment. The first clip in the igubal program for sheet metal applications offers a rapid, easy and cost effective manual assembly. A simple clip allows an extremely robust spherical igubal bearing to be used. Likewise, a flat design saves space and reduces rattling. Clip bearings can be substituted for metallic bearings that do not compensate for misalignment. The bearings can be used in the shaft bedding of sheet metal working, or roller and drum seating. The new bearing is also suitable for swinging brush or lever seating, for roof height adjustment and for caps of dosing apparatus and size reduction machines. The bearing is low in weight because it is made from the self lubricating material, iglidur J. This material is responsible for a low friction coefficient between shaft and spherical cap. The bearings come in sizes 10mm, 12mm, and 16mm for a sheet thickness of 3mm. Other standard dimension and sheet metal dimensions and special dimensions will soon be available.

## igus® Developments

IGUS, represented in Australia by Treotham Trading, has developed its DryLin miniature guiding carriages to meet the requirements of small handling and displacing units, laboratory and medical equipment, automatic machines and the packaging industry. The zero play, lightweight and corrosion-proof linear systems comprise a carriage running linearly in a C-profile made of anodised aluminium. Integrated spring elements provide a slight pre-load and therefore guarantee zero play as well as the required precision during the applications of minor loads. As carriage material, the high-performance Iglidur J polymer product also made by Iigus achieves low friction and wear values. This material also offers integrated damping and quiet running characteristics, without any lubrication. In connection with the anodised aluminium profile, this results in corrosion-proof and very lightweight guiding systems with a width of 17mm and a height of 6mm. Accordingly, the guiding carriage weighs only 1.7g and, at 150g/m, the rail is also very lightweight. Rail lengths of up to two metres are also available as standard equipment. The static load in each direction is rated at 50N.

The entire carriage is plastic injection moulded. If the customer specifies the load as well as the geometric benchmark data for a particular design, Iigus will then calculate the displacing resistance and the running capacity for each sliding bearing within two hours. Customers in a greater hurry can use the expert system to calculate this data on the website ([www.igus.de](http://www.igus.de)) or the company's catalogue CD.



## IGUS Interactive Catalogue

Treotham Trading has available the igus 5.0 interactive catalogue that contains updated information on more than 40,000 products. The CD ROM contains the entire updated igus product lists for energy chains, general supplies and Chainflex cables. It is free and is available in six languages, German, English, French, Italian, Spanish and Portuguese. The electronic expert xigus 5.0 for Energy Chain Systems is not only a product catalogue on a CD, but also a time-saving planning support. The user enters information, and the system gives an overview of the suitable products. The more questions answered regarding an application, the more precisely the catalogue can go into the demand of the application. Particularly user-friendly and time-saving is the direct expert data transfer into a 3D CAD file, with the data able to be used directly in the design.



## HELUKABEL®

### Electromagnetic Compatibility Approved Motor Power Supply Cable 0,6/1kV.

**For power supply connections to frequency converters.**



This screened motor supply cable with low mutual capacitance of the single cores because of the special PE core insulation and low screen capacitance enable a low-loss transmission of the power compared to PVC-sheathed connecting cables. Due to the optimal screening an interference-free operation of frequency converters is obtained.



Due to the special UV Resistant PVC outer sheath this version is ideal for outdoor applications.



The 3-Plus construction ( 3 split earth conductors ) of motor power supply cables features a symmetrical 3 core design, improving the EMC characteristics compared with a standard 4 core version.

### Meet Colin Radford

#### NSW SALES ENGINEER

Colin has over 20 years experience in the electrical industry and we are proud to have him on board as a valuable member of our team. Colin is more than happy to share his knowledge with any enquiries you may have.



## Smoother, Quieter Operation... Alpha SP+ Motors Your Silent Partner



**alpha**

SP+ whispers. The noise emission of the SP+ is 6 dB(A) lower than that of the already-quiet SP line, making the SP+ four times quieter. What's more, vibration is dramatically reduced. SP+ provides a new world of precision in a standard gearhead. We've reduced the torsional backlash, and can offer you less than one arcminute of backlash on request. This dramatically increases positioning accuracy. alpha had new seals developed exclusively for the SP+, with both material and geometry optimized, to provide true IP65 (optional IP66) protection. In addition, the output bearing capacity has been improved to surpass anything else in its class. One step to accurately mount the servomotor. That's it. No mounting errors are possible. And alpha's patented motor mount is available with optional integrated thermal linear expansion compensation in the SP+ High Speed version. Regardless of how your SP+ is mounted, it always has the same amount of oil, eliminating the need to specify mounting position when ordering. Thus, the possibility for ordering errors is reduced. Although its predecessor already delivers exceptional performance, we have increased the maximum acceleration torque of the SP+ even further to provide higher performance from your machine. Like its predecessor, SP+ High Speed provides superior performance for high duty cycles. It can be run continuously, yet has a long service life. It gets no more than lukewarm even under the highest stress, and it incurs no maintenance or service costs. And it offers our patented integrated thermal linear expansion compensation.