

DRIVEN

YOUR TRANSDEV MAGAZINE

transdev.co.uk ISSUE 4

NTN 

IKO

INTRODUCING PRECISION LINEAR & BEARING SOLUTIONS



—2018—
WALLPLANNER
**FREE
INSIDE**

Also in this issue

DRAW DOWN BELTS

HANNOVER MESSE 2017

BRECOMOVE OPEN LENGTH BELT

TRANSDEV DIRECT STORE



NEW MARTIN POLYCHAIN®
& SYNCHROCHAIN® Pulleys

Martin

SINCE
1965

 **TransDev**
THE POWER IN MOTION

INTRODUCING PRECISION SOLUTIONS FOR PERFECT MOTION



TransDev is now stocking a wide selection of NTN-SNR Bearings and Linear products, as well as the IKO Linear range. We have also grown our sales and product team to offer the best possible support.



NTN-SNR BEARING SOLUTIONS

Whether it is designing Bearings that are more compact, lighter, more economical, more reliable, more effective, better for the environment; NTN-SNR are constantly innovating.

NTN-SNR Linear Axis are universally applicable modules that accommodate the steadily growing requirements for the automation of manufacturing processes. They are suitable for the most diverse applications in various industries: factory automation, machine tools, electrical engineering/electronic hardware, automotive industry, printing industry, special-purpose machines, clean-room applications in the semiconductor industry and the food industry.

The modular design of NTN-SNR linear axis allows a high degree of flexibility and can fulfil almost every customer request. They can be quickly combined with each other and integrated into existing systems. This also means lower assembly costs for the end user.

BEARINGS RANGE

- Ball Bearings
- Roller Bearings
- Spherical Roller Bearings
- Cylindrical Roller Bearings
- Thrust Bearings
- Needle Bearings
- High Precision Bearings
- Special Bearings

LINEAR RANGE

- Versatile Linear Axis modules
- System Axis for gantry, lifting and telescopic applications
- Complete customisable linear systems
- High quality, precision Linear Guides
- Ball Splines,
- Screws & Supports





Linear Motion Applications

Material Handling • Automation • Transport • Energy • Machine Tools
Food Processing • Packaging • Medical & Health

IKO LINEAR MOTION

The Linear Motion Rolling Guide Series is widely used in various fields ranging from the most advanced semiconductor manufacturing devices to large machine tools, construction equipment and packaging machinery.

TransDev supply a large range of products, including the linear way and linear roller way rail guiding systems, and a ball spline-based shaft guiding system.

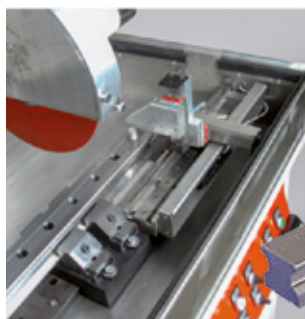
Available sizes range from the world's smallest track rail at just 1 mm wide, to a very large version which provides high rigidity and high-load capacity.

The Mechatronics Precision Positioning Table Series is used as the positioning mechanism for a variety of applications, from semiconductor manufacturing equipment or flat panel display manufacturing equipment, to precision equipment. The series ranges widely, from a module type table to a high-precision version.

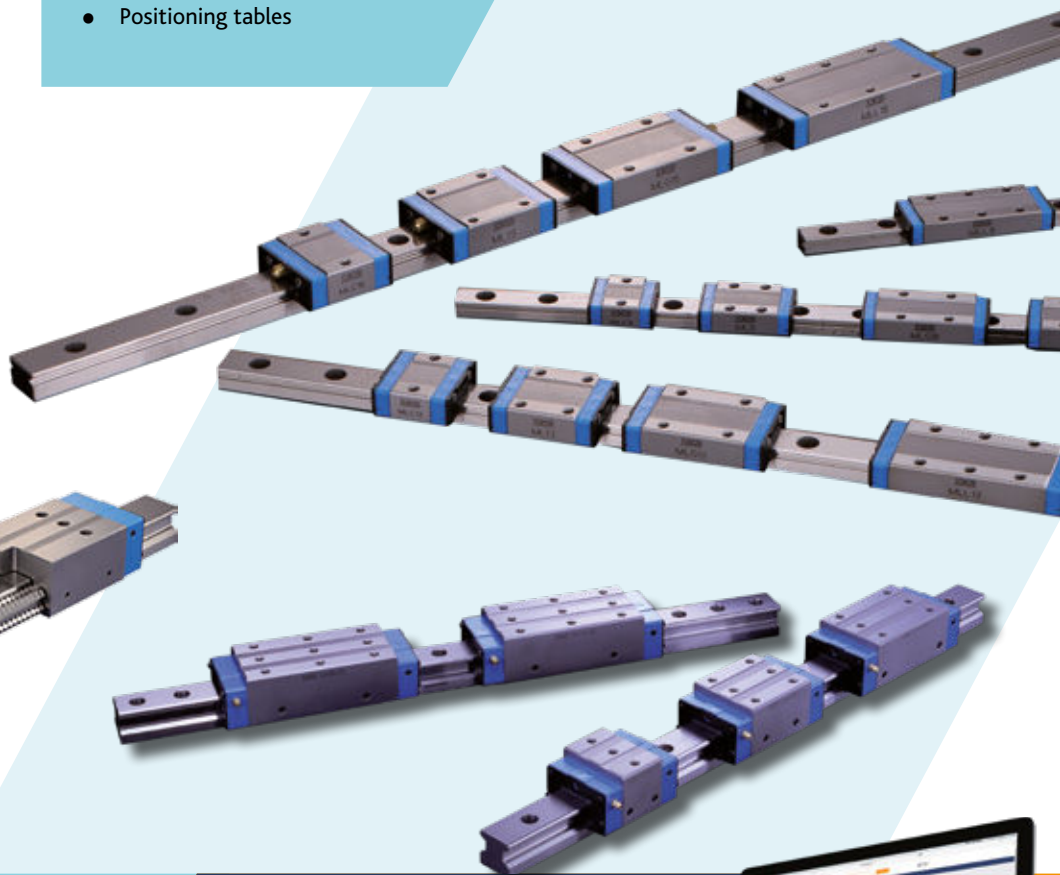
LINEAR RANGE

- Roller type rolling guides
- Ball type rolling guides
- Ball splines
- Anti-creep crossed roller ways
- Ball slides
- Linear and rotary bushings
- Positioning tables

Authorised —
IKO Linear
Partner



In-house Cutting Cell for quick deliveries



Searching for your ideal linear or bearing solution?

For a brochure call 01202 675 555 or email sales@transdev.co.uk

See following page about our NEW online store!

TransDev
DIRECT

NEW





VERTICAL FORM, FILL, SEAL

TransDev's Draw Down range offers a high quality, versatile belting solution for the packaging industry.

These UK manufactured toothed timing belts come complete with a backing on the top surface, to help vertically Draw Down film in packaging machines to make bags.

Transdev Draw Down belts are available with rubber as well as Polyurethane base belts. All covers are precision ground to give consistent thickness.

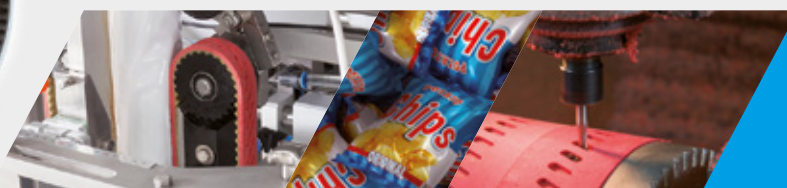
With our in-house specialist machinery we are able to produce vacuum belts with holes, slots and machined teeth.

A complete range of seamless backings are available to suit all Draw Down applications. Seamless backings are bi-directional and offer a consistent grip with films.

If the belts are a non-standard size they can be manufactured in-house to your specific requirements. Seamless and glued backings are available for less popular sizes. Stocking of specific belt types for call-off is also possible.

VFFS Machine Brands

- Bosch Packaging Tech
- EaglePack
- Fuji Machinery
- Gainsborough
- GIC
- Ilapak
- Ishida
- Matrix Packaging
- Ricciarelli
- Rovema
- Sandiacre
- TNA



To request a brochure call 01202 675 555 or email sales@transdev.co.uk

POLYCHAIN® & SYNCHROCHAIN® Pulleys

TransDev now supply a range of MARTIN® timing pulleys, to suit SYNCHROCHAIN® and POLYCHAIN®, in pilot bore and taper lock bush type. Materials are in Steel or Cast Iron with Steel flanges (dependent on size). See the Online TransDev Range Catalogue for specific materials and dimensions.

Martin

for POLYCHAIN®
and SYNCHROCHAIN®



Conti Professional - Drive Design Software gets a host of new features

In Conti Professional, ContiTech offers its customers software for designing two and multi-pulley drives. Launched in 2016, Conti Professional is a web-based application that can be accessed via a browser. Users do not need to install it on their own computers and manage updates – as was the case with the earlier Conti Suite software. After a one-off registration, customers can make use of the full familiar functionality in the new software, too.

"Different functionalities, familiar from the Transmission Designer and Drive Alive elements of Conti Suite, are merged into one application, to make its use even easier and more efficient for our customers,"
Marcel Vogel, a ContiTech Application Engineer.

Other advantages are that the required number of pulleys can be selected ranging from 2 to 20, and, once designed, projects are stored in the software. This means users can access their stored data at any time.



What's New

- Facility to design drives with open-ended belts included
- Motor efficiencies can be taken into account with two-pulley drives
- Drives can be designed with SYNCHROFORCE® CARBON and SYNCHROFIB

Conti Professional is FREE and it can be accessed at www.conti-professional.de.

Continental

ContiTech

HANNOVER MESSE 2017

More attendees, more solutions, more international!



After five action-packed days in April at the world's leading trade fair for industrial technology, the organizers spoke of a thriving event. A large number of solution-seekers gathered in Hannover to immerse themselves in the potential of intelligent robots, adaptive machines and integrated energy systems, taking attendance to new heights.

MULCO

TransDev was exhibiting as a member of MULCO (the European PU belting group). MULCO had three real applications to attract the visitors' interest and showed more PU timing belts than in the years before. The solar panel cleaning robot and remote control buggy drew particular attention.

Visitors could learn everything about the latest and most successful products (BRECOMove, Synchrochain Carbon and Synchroflex GEN III).

Wippermann

The focus of the Wippermann stand was on maintenance-free high-performance chains for customised drive solutions - with the unveiling of the new polymer plain bearing TRIGLEIT II drawing a lot of visitor attention.

RESATEC

Resatec were also present in Hannover with their range of machine vibration mountings and tensioners.

D.I.D.

The D.I.D. chain brand from Japan is already known for its dependability. They offer a tough range of environment resistant chains. At Hannover they were promoting their new X-Ring chain and pin oven chain for can manufacturing.

The MULCO stand

SYNCHROFLEX® belt driven RC Buggy

Wippermann

Resatec mountings and tensioners

CONTI-V® PIONEER Vee Belt



225,000
ATTENDEES

75,000
FROM OVERSEAS



The BEAST just got BIGGER!

See these products
and more in the expanded
Range catalogue

D.I.D. X-Ring Chain



NEW BRECOmove



Bystronic glass gripper beam held by BRECOmove timing belts

Largest insulated glazing production line in the world uses BRECOmove AT10

The safety that BRECOmove – as an open length version – offers against tearing is so high that it is also ideal for use in vertical axes. This is why Bystronic glass in Neuhausen in Baden-Württemberg have used it in their new production line.

In the inspection station, the glass panes are held by several adjustable horizontal 18m long support beams. BRECO and BRECObasic AT10 timing belts are used here as traction mechanisms.

An additional beam called a gripper beam, is located in front of the glass and therefore in the operator's area. In order to meet the strict safety guidelines it was necessary to provide proof that the timing belts used can hold three times the rated load. The new BRECOmove high-performance timing belt is ideal for this task.

[Read more about this application from MULCO partner Hilger u. Kern online on the TransDev blog page.](#)

The New Open Length Family Member

After the successful launching of the endless timing belt BRECOFLEXmove AT10, BRECO supplement the "move" product range with a new BRECOmove open length belt version.

The BRECOmove timing belt AT10 demonstrates its strengths, in high power transmission and linear technology applications. The very high stiffness of the belt is the basis for excellent dynamic behaviour; with short settling times and high positioning accuracy. This makes BRECOmove an excellent alternative to comparable standard timing belts, such as the AT10, ATL10 and the AT20. The available belt widths are 25, 32, 50, 75 and 100 mm.

High-performance timing belts

BRECO developed a thicker tension member, with approximately 30% higher strength and excellent flexibility, for the high-performance timing belts of the "move" family. This increased the tear strength and the admissible tensile forces.

ensures more uniform distribution of the load acting on the teeth. At the same time, the development engineers changed the tooth geometry so ingeniously that the "move" timing belt still fits existing AT profile pulleys.

Versatile application

With almost 70% higher tensile stiffness, in comparison to the previous version, BRECOmove AT10 offers minimum settling times in linear axes for cycle operation and positioning. Depending on the drive, this permits steeper starting and stopping ramps. The reduced cycle times allow machine manufacturers to increase the productivity of their linear axes and entire machines.

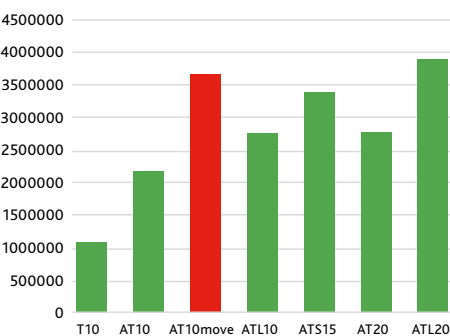
The exceptionally high transmitted tensile forces of BRECOmove make it ideal for a traction mechanism in vertical axes.

Efficient

With BRECOmove, AT10 belt drives can now be designed approximately 30% narrower. The narrower pulleys not only require a smaller installation space, they are also cheaper.

A wear-resistant polyethylene laminate protects the tooth flank of the BRECOFLEXmove timing belt. In conjunction with the optimised tooth shape, the new high-performance timing belt generates 25 % less friction.

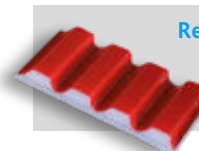
Specific Spring Rate in N (50mm belt width)



Technical Advantages

Optimised tooth shape

Greater tensile forces transmitted by the tension member lead to higher stress in the root of the tooth and higher surface pressure on the tooth flank. With the aid of finite element software, BRECO was able to develop a new tooth geometry, that



[Request a belt sample from your TransDev sales contact.](#)

“ The name refers to the English word 'move', it is also an acronym describing the excellent properties of the red high-performance timing belts from BRECO. Maximum performance, optimised tooth shape, versatile and efficient. ”

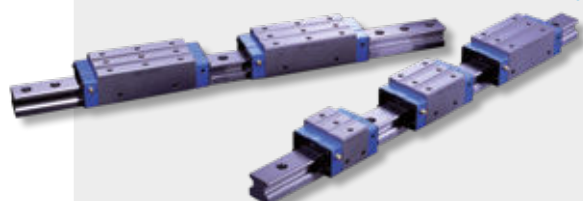
What's Happening

New Bearings & Linear Product Expert joins TransDev

To support our expanded product range TransDev has recruited an additional bearings and linear expert. John Loonam takes on the role of Product Manager for rotary and linear bearings. John comes with over 18 years of experience working with engineering end users and distributors; with a focus on bearings that started with successful sales and management roles at FAG, Schaeffler and more recently at Fersa Group.

Speaking about his new role John commented, "As well as stocking two of the major bearing brands, our new linear cutting cell will offer excellent delivery and customisation support. Many of our bearings are also ready for next day delivery, so customers can specify the exact bearing solution they require and be fitting them the very next day!"

See opening spread of **DRIVEN** for further information.



Pedal power raises £700



Congratulations to the TransDev team who took part in the annual Julia's House Hospice to Hospice Ride at the weekend.

The route covered the 100kms between the two childrens hospices in Corfe Mullen, Dorset and Devizes, Wiltshire.



EVENT RAISED

£40K

£700

RAISED BY THE
TRANSDEV TEAM

TransDev
DIRECT



A new online home for TransDev's vast range of standard products.

TransDev Direct is the fast and easy way to order power transmission, lifting and conveying products. The new online store has been developed for account holding TransDev customers looking for excellent reliability, quality and service.

Ask your TransDev sales contact for more information.

Quick and Easy

- UTILISE the quick product search and easy navigation
- VIEW live stock availability and your agreed pricing
- LINK to product information
- BUILD and review order lists
- SPECIFY shipping information
- MANAGE your orders



Large Stock Profile

We have the products you need



Leading Brands

Quality brands at great prices



Service and Expertise

See why we are The Power in Motion



Next Day Deliveries

When you need that product fast.

2017-18 CHRISTMAS & NEW YEAR SHUTDOWN

Date	Admin, Sales & Technical	Despatch Status	Earliest Arrival Day/Date
21st Dec 2017	Normal hours 9.00 - 5.00	Normal UK Mail	Fri 22nd Dec
22nd Dec 2017	Normal hours 9.00 - 5.00	Please enquire	Please enquire
23rd Dec 2017 - 1st Jan 2018	Closed	N/A	N/A
2nd Jan 2018	Normal hours 9.00 - 5.00	Normal UK Mail	As Normal

We would also like to take this opportunity to wish you, your family and your colleagues a Merry Christmas and a happy, healthy and prosperous New Year from everyone here at TransDev.

Out of hours premium breakdown service (24/365) Tel: +44 (0)7850 548 351 (UK and Europe only)

WWW.TRANSDEV.CO.UK

STRONG, HYGENIC, AND BLUE PROTECTION FROM BRECO®

BRECOprotect® timing belts are designed to meet the strict requirements associated with contact with food and the cleaning processes necessary in these areas.

The BRECOprotect® product line offers timing belts with Steel tension carriers that are fully embedded in Polyurethane, which protects them against corrosion. The choice of material for the timing belts complies with FDA regulations and the blue colour is consistent with current requirements in the food processing industry.

The Polyurethane used is compliant with the conformity criteria of the FDA Code of Federal Regulations, section 177.1680, the European Regulation (EC) 1935-2004, Regulation (EU) no. 10/2011 and European Commission Directives 90/128/EEC and 96/11/EC.

- The perfect choice for strict requirements associated with food
- Groove-free design guarantees easy cleaning
- Corrosion-protection for the steel carriers
- Available by the metre or as continuous, welded products
- Suitable for use in moist environments
- A different kind of belt with a colour scheme in-line with current food industry trends



Request a belt sample
from your TransDev
sales contact.

To order or for more information:
T +44 (0)1202 675 555

Transmission Developments Co (GB) Ltd
Dawkins Rd, Poole, Dorset, BH15 4HF