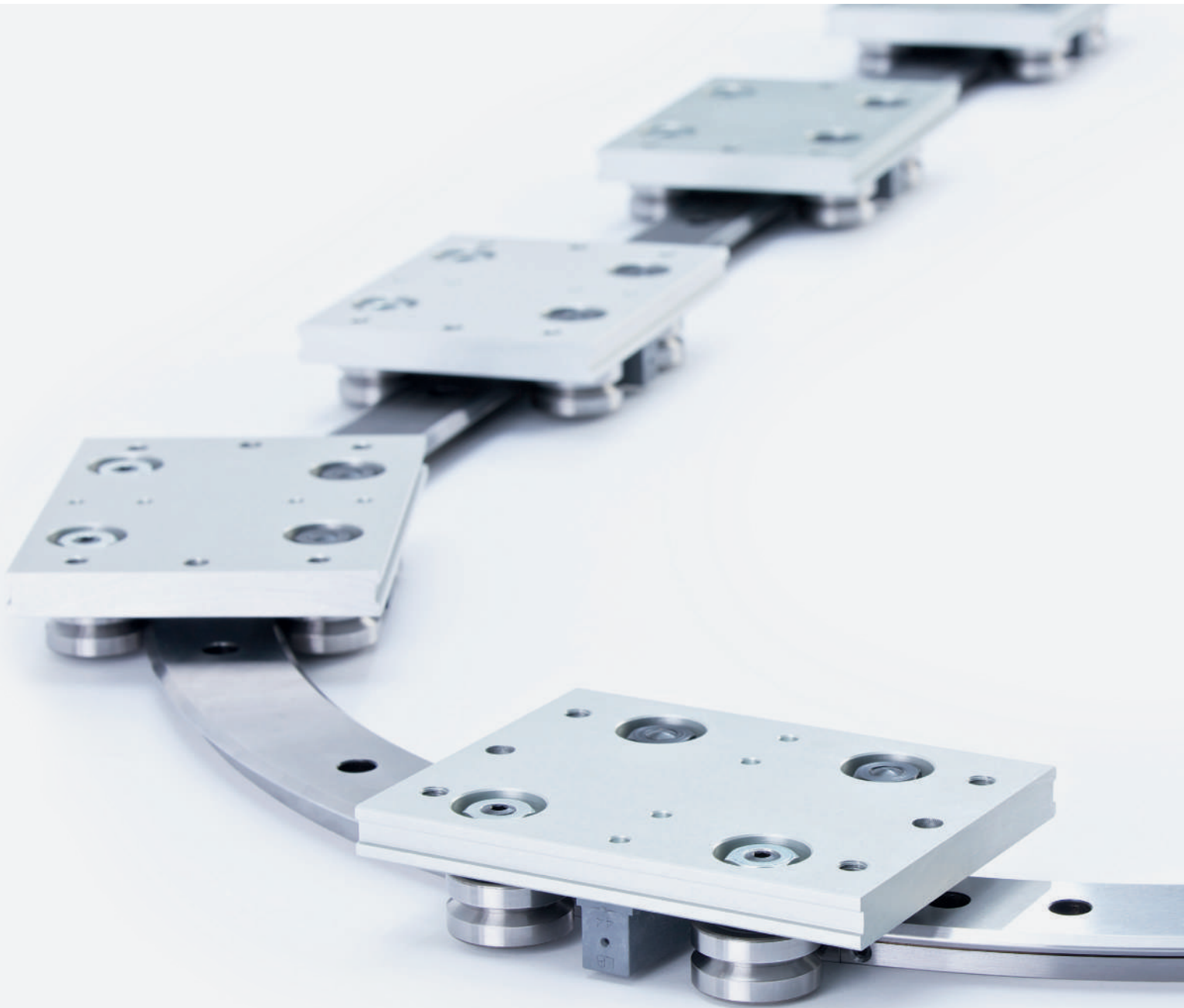


HepcoMotion®

ADVANCED LINEAR SOLUTIONS



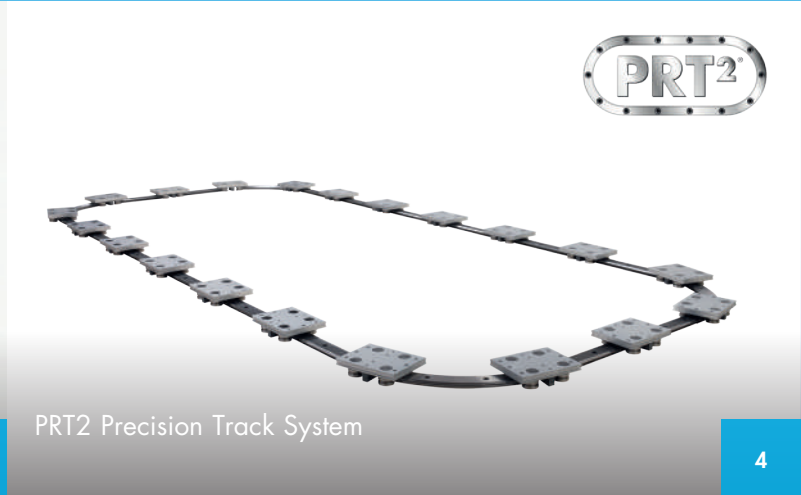
RING AND TRACK SYSTEMS

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PRT2 Precision Ring Guides and Ring Segments

3



PRT2 Precision Track System

4



HDRT Heavy Duty Ring Guides and Track System

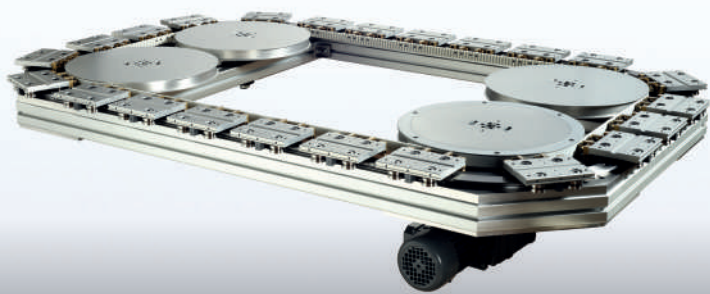
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Large Diameter Ring Guides and Track System

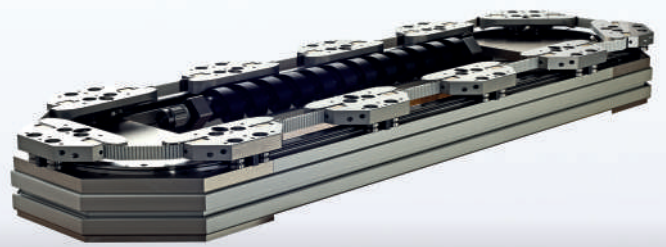
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RING AND TRACK SYSTEMS



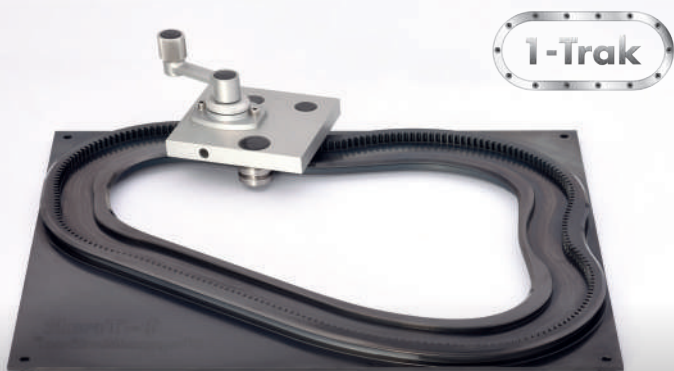
DTS Driven Track System

5



DTS2 High Speed Driven Track System

6



1-Trak System

9



GFX Hepco Guidance System for Beckhoff XTS

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PRT2 Precision Ring Guides and Ring Segments

Load Range 0 – 9,300N

Speeds 0 – 5m/s

The ultimate product for circular motion, developed into a highly advanced range of ring systems and segments for a variety of applications across all industries.

- Wide range of rings up to 1500mm in diameter
- Components available in stainless steel allowing for extensive use in the food, medical and scientific industries
- Special food lubricants and high temperature greases are available



Integrated rack and pinion drive, or timing belt drive option

Movement through an arc can be achieved using ring segments, saving on two systems X and Y



PRT2 Precision Track Systems

Load Range 0 – 10,000N

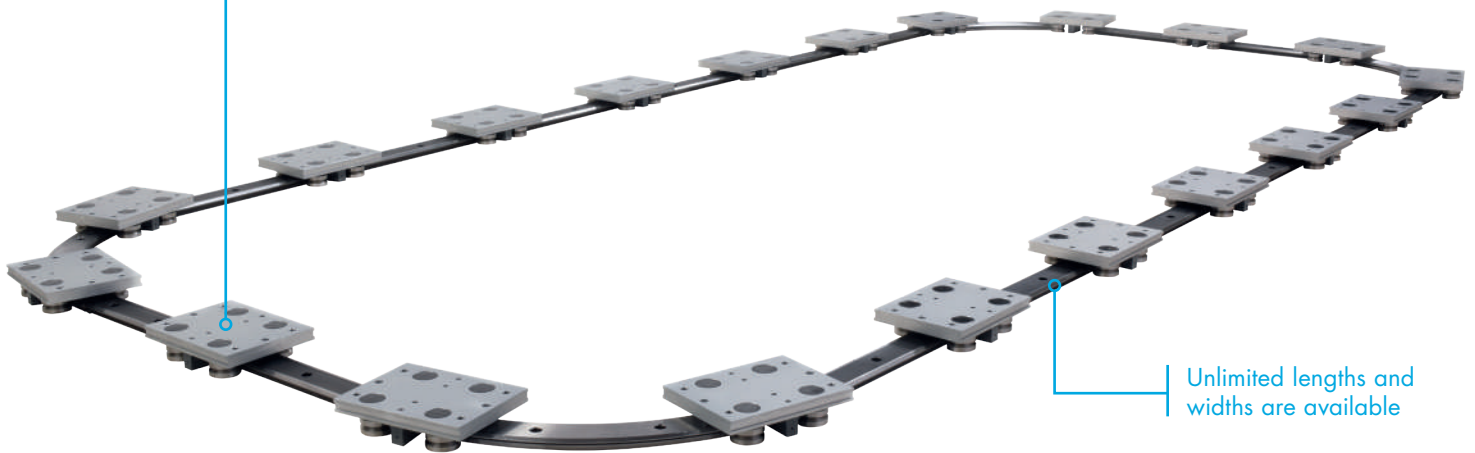
Speeds 0 – 5m/s

HepcoMotion's track systems are available in oval, rectangular, and 'S' bend configurations with multi carriages allowing different assembly operations as part of one continuous system.

- Available with a choice of drive options including chain, scroll and belt
- Hepco's track systems are a cost effective alternative to conveyer systems
- Stainless steel options available, allowing for extensive use in food, medical and scientific industries



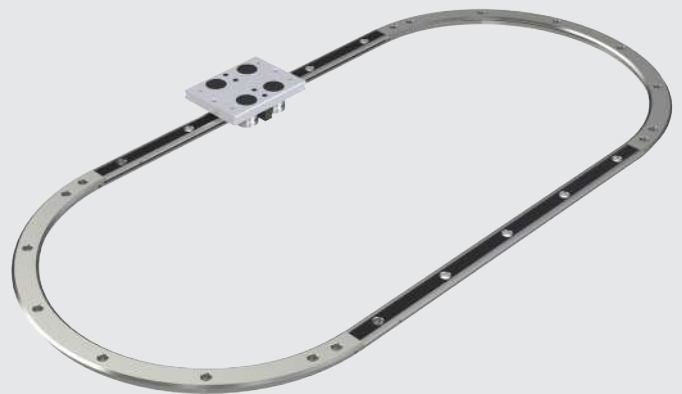
Track systems can form the core of an automated production cell, with carriages moving the components from station to station through its production processes



Unlimited lengths and widths are available

Oval, rectangular and non-standard shapes can be created

Track systems can be designed into different configurations to suit the application



DTS Belt Driven Track Systems

Load Range 0 – 400N

Speeds 0 – 1m/s

The DTS is a modular driven track system. It can be specified in oval or rectangular shape, with no upper limits on length and width. DTS systems have multiple uses, a popular application being to form the basis of an automated production cell.

- Easily incorporated into a multi function machine as a transfer or positioning system
- Timing belt drive for quieter operation
- Option to specify individual DTS components when designing bespoke systems

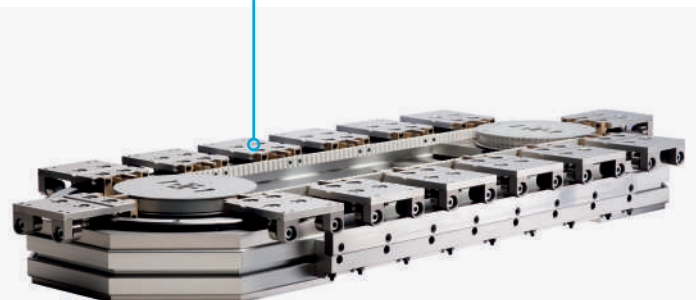
Equipment can be located inside or outside of the track, saving valuable production space

Tracks can incorporate multi-carriages that can be locked at workstations for accurate assembly or positioning operations

DTS systems are supplied as complete assembled units, ready to be incorporated into a machine or framework

Trip latch mechanism disengages carriages in the event of system overload

Moment load DTS provides additional support for applications with high external forces



DTS2 High Speed Driven Track System

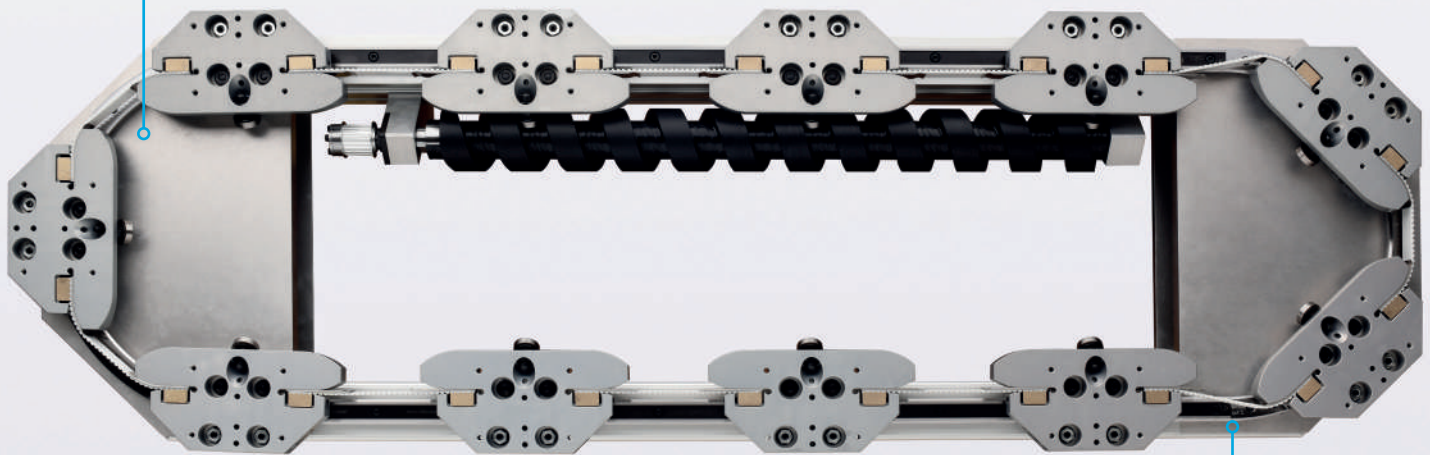
Load Range	0 – 1,000N
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Speeds	0 – 3m/s
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The DTS2 driven track system has been developed for high-speed applications. The use of a scroll drive allows rapid indexing to be achieved with superior positional accuracy without the risk of carriage disengagement.

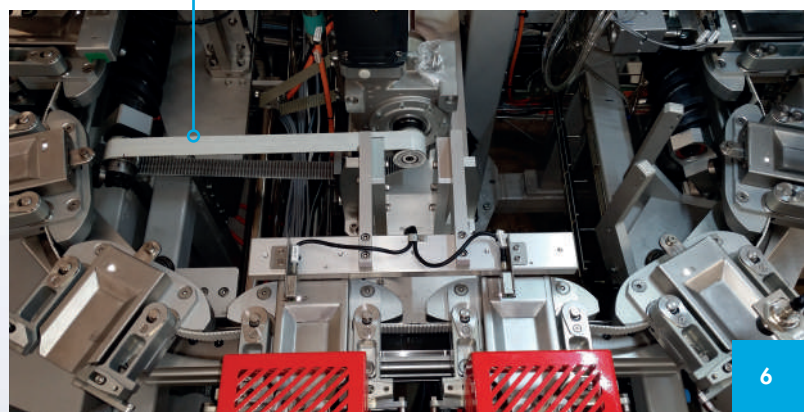
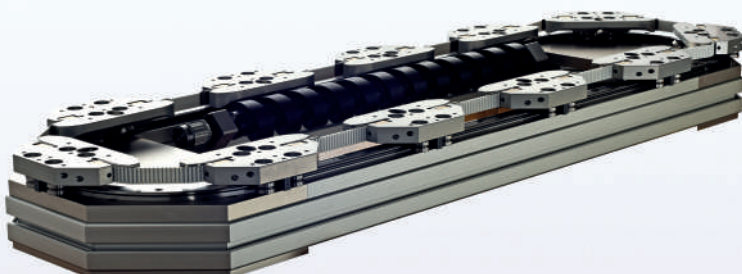
- Consistent speed of carriages around the track enables smooth continuous motion to be achieved
- Higher accelerations can be achieved leading to faster cycle times
- Corrosion resistant version available

The DTS2 track system can be configured into any shape made from straight and curved sections



DTS2 linked carriages can accept high driving forces

Typical applications include packaging and high speed production equipment



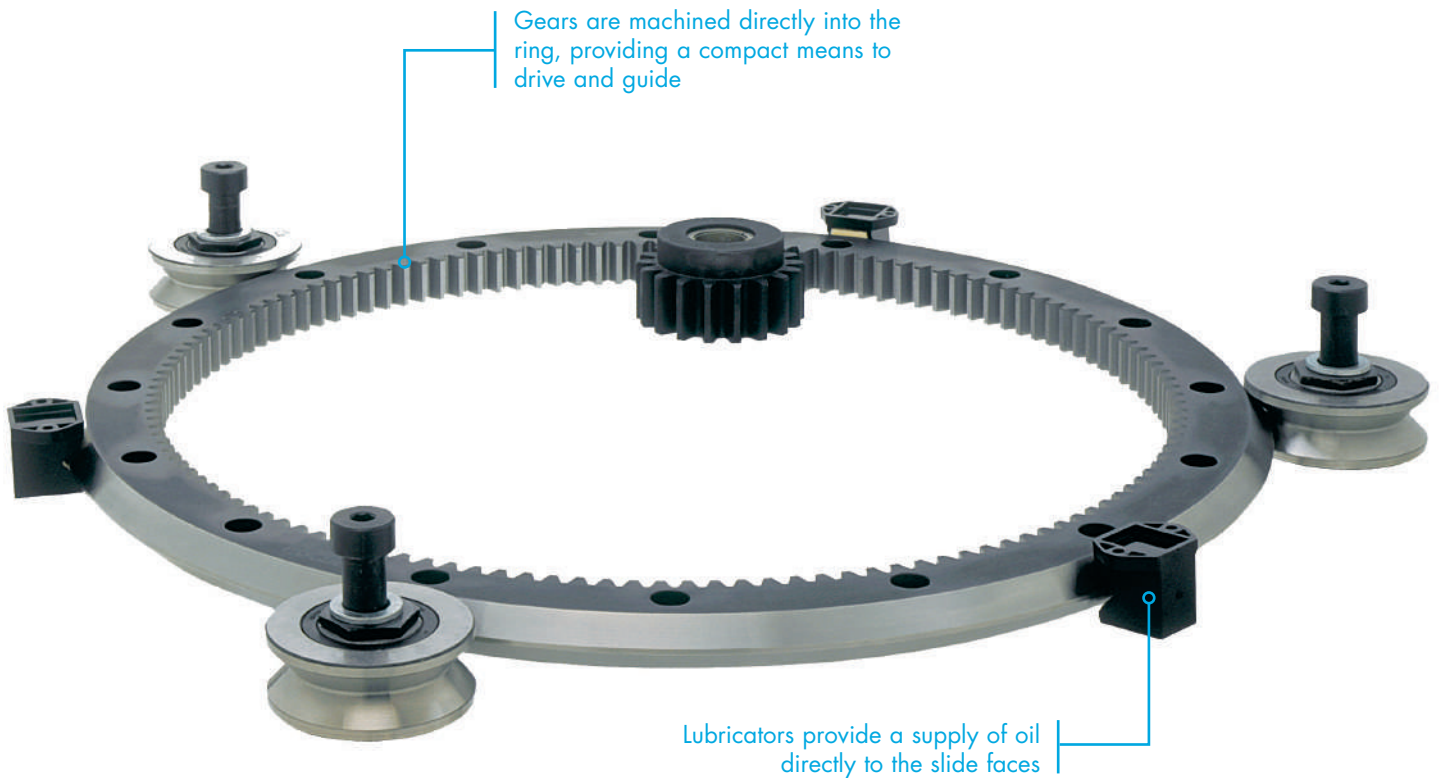
HDRT Heavy Duty Ring and Track System

Load Range 0 – 68,000N

Speeds 0 – 4m/s

HDRT is a range of ring and track systems designed to carry heavy loads, and is used extensively as transfer systems for machine tool and automation applications. With little or no maintenance required, HDRT ring systems are a cost effective alternative to traditional slewing rings.

- V bearings can be specified up to 150mm in diameter, extending system life in high load applications
- 360° rings, segments or track systems can be specified
- Large carriage platform for easy and secure load location
- All options available in stainless steel



Track systems can be easily configured from straight slides and ring sections



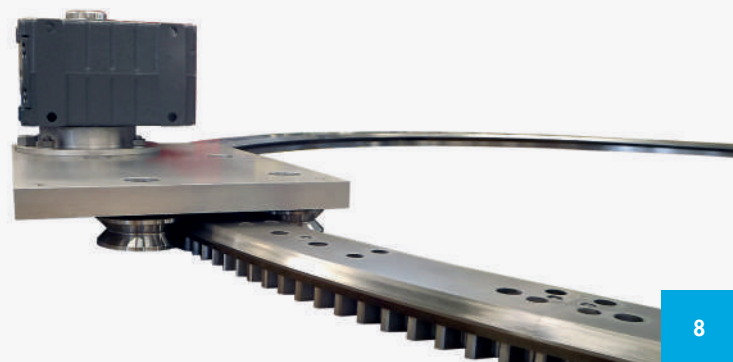
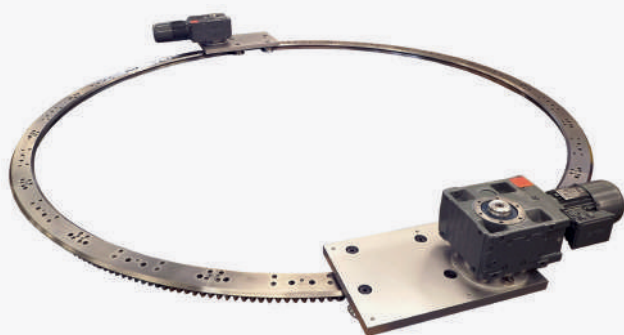
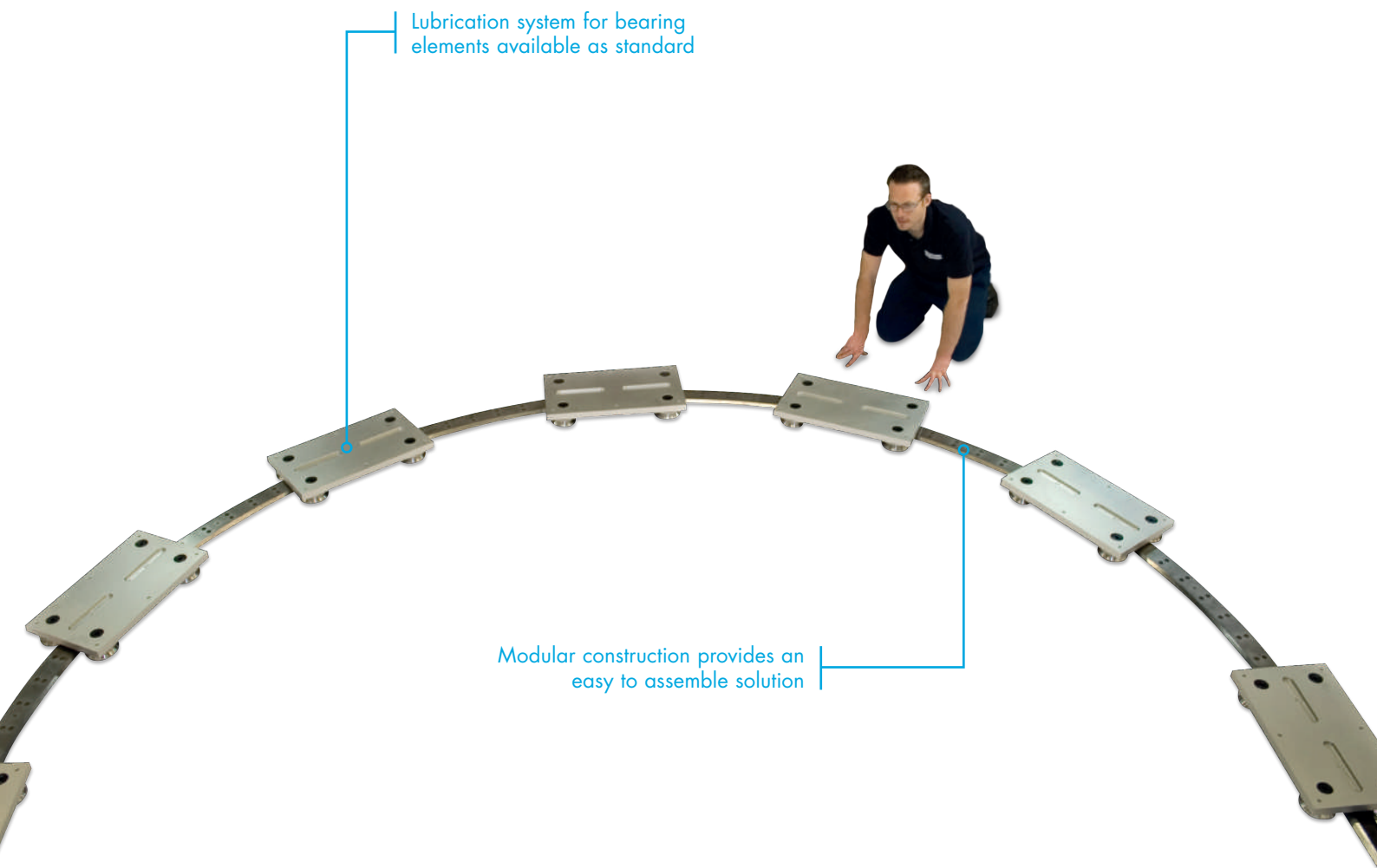
Large Diameter Ring Guides and Track System

Load Range 0 – 220,000N

Speeds 0 – 2m/s

HepcoMotion's large diameter ring guides and track systems can be manufactured to any diameter with no upper limit. Rings can be produced to specific requirements and combined with Hepco's range of V Guide bearings or MHD bearing blocks.

- Load capacities in excess of 20 tonnes can be achieved
- Rings can be specified with a large mod gear and pinion drive, providing extremely high driving forces
- For greater rigidity, rings can be supplied fitted to matching back plates



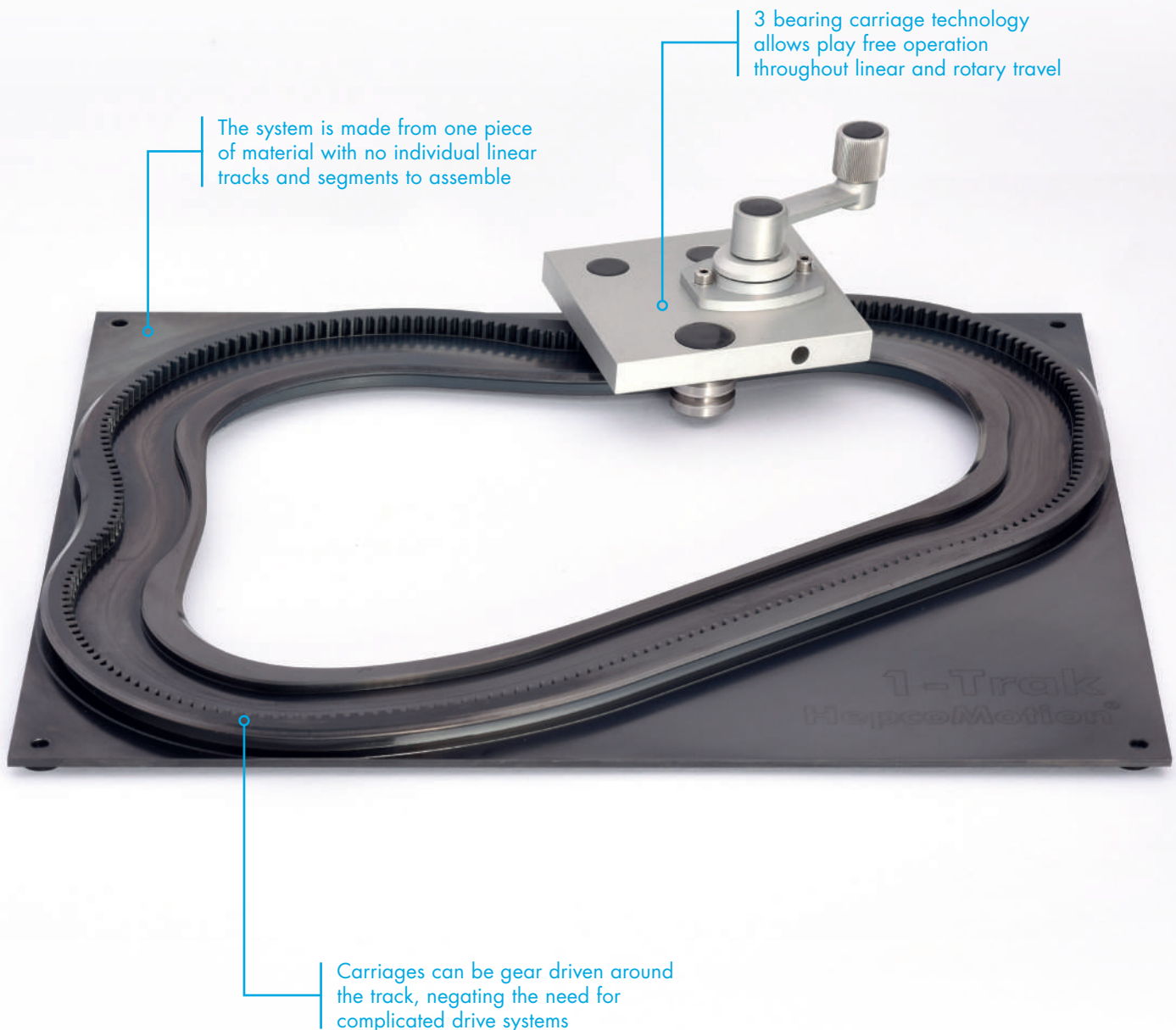
1-Trak System

Load Range 0 – 28,000N

Speeds 0 – 8m/s

1-Trak is a highly innovative track system product which re-writes what is possible with linear and rotary motion. Advanced materials and technologies are used to produce systems to almost any two dimensional shape from one piece of material. 1-Trak will save on assembly time and enables 'curvi' linear applications previously seen as expensive to be achieved, in an easy simple way, with one drive.

- Any conceivable 2D shape can be achieved; multi dimensional curves and free-form curves are possible
- Track systems can be designed to meet exact dimension requirements
- Where space is important 1-Trak enables tight track return curves to be achieved
- 1-Trak can incorporate a base for a machine, complete with drive and all fixing holes
- Load capacities are only limited by the maximum size of bearing at 150mm



GFX Hepco Guidance System for Beckhoff XTS

Load Range 0 – 220,000N

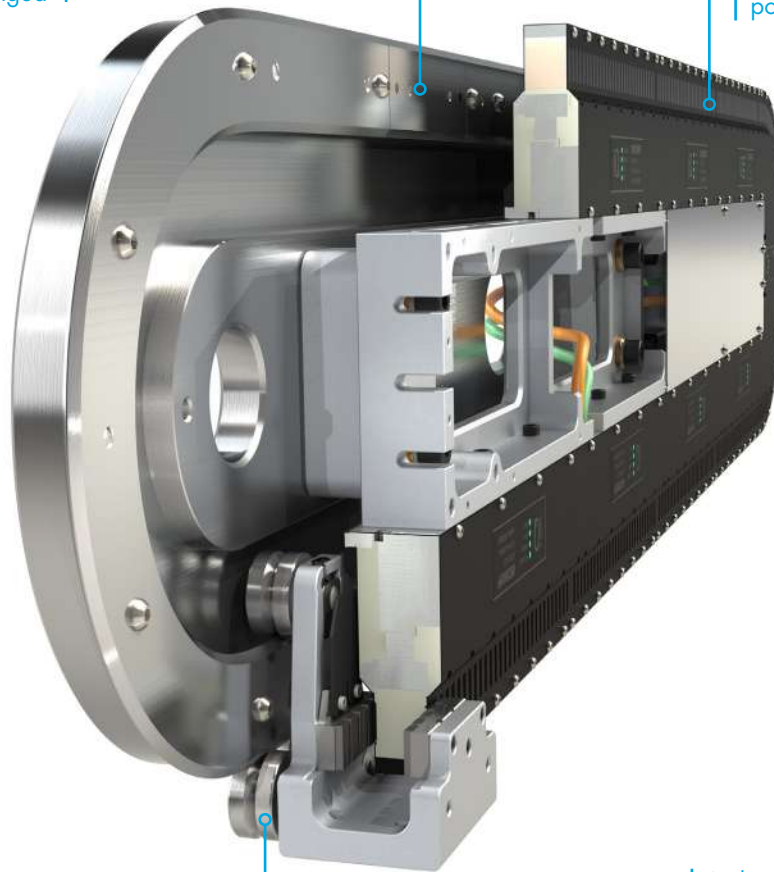
Speeds 0 – 2m/s

The Beckhoff XTS eXtended Transport System uses linear motor technology to drive movers around a track. Combined with HepcoMotion's proven track systems, this highly versatile product is rapidly being adopted within the packaging and manufacturing industries, as users benefit from vastly improved production rates with the ability to make on-the-fly product changes.

- Hardened steel guidance system (PRT2 or 1-Trak) retains accuracy over long periods
- Simplified lubrication system enables use in high duty cycle production environments
- Low maintenance bleed lubrication system. Food compatible lubricants can be used if necessary
- Stainless steel guidance system available for food processing applications

Mover system with removable track sections and pre-set replacement movers which can easily be changed

The motion of each mover is independently controlled, offering complex high-speed motion profiles without compromising positional accuracy



Typical applications include high speed automated packaging systems

Lightweight mover assembly includes high capacity HepcoMotion V bearings

