

## NEW - HIGH PRECISION POSITIONING STAGES

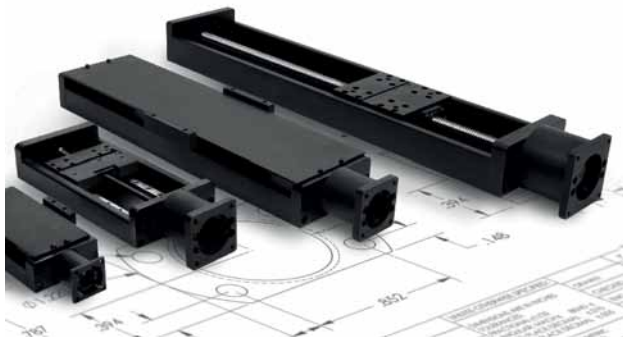
### 3 new High Precision Positioning Stages VB, VR and VS:

- picking out the ball or crossed roller stage
- choosing one of the 4 methods of actuation: Micrometer head, Fine thread adjustment, Lead screw or Motorized actuator
- travels range from 12.5 mm to 50 mm
- actuator mounting brackets are available in both center line and side drive configurations
- accuracy-parallelism  $1\mu\text{m}$  over 25mm, repeatability:  $0,5\mu\text{m}$



## LINEAR ACTUATORS WITH MOTOR AND CONTROLLER

We assemble the actuators according to your needs – with motor and controller or motor adapter and coupling with metric bore as special order available.



### DL-Series Linear Actuators:

- integrated recirculation slide guides provide friction-free movement and actuated with a ball screw or Teflon coated lead screw drive mechanism
- spacesaving design, fast and simple assembly, long life and a competitive price
- 12 different versions are available in travel lengths from 25mm up to 410mm and load capacities range from 150N to 900N
- DW (double wide) with 2 recirculation slide guides

### Posi-Drive Stages:

- anti-friction linear ball or crossed roller slides
- configurations available in one, two or three axis
- ideal for compact, zero backlash and high precision applications – adaptable configuration
- 3 versions with leads available from 0,5 mm up to 20mm, travel length ranging from 25mm to 300mm



### DB-Series Belt Drive Actuators:

- ideal for use in applications where speed is critical (up to 5,1m/s) and high precision
- 4 versions with travel lengths up to 6m
- do not require lubrication or maintenance under normal operating conditions
- available with planetary gearheads



## ANTI-CREEP CROSSED ROLLER RAIL SETS



### Crossed Roller Sets with and without Anti-Creep:

- high load capacity (more than 1000kg), high accuracy-parallelism ( $2\mu$  over 100mm), low friction and low starting force
- each set consists of two complete bearings (4 rails, 2 roller cages and end stops)
- travel length ranging from 12mm to 275mm
- this system allows to mount the rail set in any orientation while maintaining direct roller contact to the rail surface eliminating roller cage creep

## LIGHTWEIGHT NMS BALL SLIDES



### NON-MAGNETIC LINEAR SLIDES:

- used materials are anodized Aluminum, Brass, Delrin, Titan and Silicon Nitride
- Factory preload minimizes side play and provides low friction, no lubrication required
- load capacity of up to 28kg, high accuracy and travel length from 13mm up to 300mm
- special models are available cost-efficiently at short notice