

# The Custom-Made Linear Motion System

Customized linear motion technology. Based on our proven Extrusion and Fastening Technology, we have developed Linear Motion Units that meet the highest customer expectations in terms of versatility, stability and efficiency.

Robotunits offers a Linear Motion System of the highest quality and precision, with a maximum potential for cost and time savings in design and assembly.



#### Fully integrated Linear Motion System

- completely compatible with the entire Modular Automation System
- belt return inside the extrusion
- leaves 3 sides of the extrusion free for additional attachments
- available in 50 mm series



#### It runs and runs and runs ...

- single or double idlers can be used, depending on the load
- high strength due to special captive design of idler extrusion
- large rollers
- integrated fastening option for Flexible Energy Chain



#### Guideways instead of guide systems

- easily mounted guideways eliminate the need for a separate guide system
- playfree datum edge positioning
- hardened, tempered steel guideway allow heavier loads
- high wear resistance allows smooth and quiet operation
- quick and easy assembly



#### Modular design of linear motion units

- customized linear motion units, from single units to complex 3 axis gantry systems
- single and multiple guideways available in one system
- X-,Y-,Z-combinations possible
- almost limitless combinations



#### Drive options

- motor selection tailored to performance requirements
- minimal design time through expansion coupling system
- one size pulley for all chassis sizes



#### Protection against damage

- integrated overrun protection prevents mechanical damage



#### Save time, cut cost

- easy selection of components
- easy to order
- minimal design time required
- quick and easy attachment of accessories
- easy installation



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