

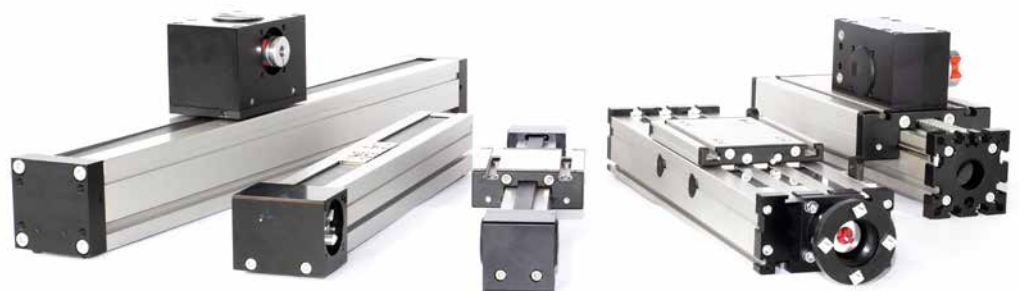
## LINEAR AXES IN MACHINING PLANTS

Machine tools are used in a variety of industries, processing a range of materials and employing all kinds of work processes.

Be it **wood, metal, plastic or stone**: Machining centers are one of the classic special machine constructions, and are customized exactly to their particular task. As a result, the linear axes used have a high degree of adaptability.

To achieve this, Bahr Modultechnik uses a standardized construction kit that forms the basis for quickly delivering custom-designed axes without compromising function or quality.

**An additional advantage:** The linear axes can be very precisely incorporated into the design. Unlike the competition, at Bahr Modultechnik there are no set length increments or configuration limitations. That greatly facilitates the design and development of new machine functions.





## THE PERFECT SOLUTION OUT OF THE BOX

It's always good to know what tasks our linear axes are required to do and what machine builders intend to do with them. With that knowledge we can optimally support the engineering process, and design, configure, and quickly manufacture the right system using toothed belt, rack and pinion or spindle drives.

The real challenge and structural peculiarities always lie in the detail, especially with machining equipment. Each machining process brings with it very different issues with regard to sealing, protection from production impacts, hygiene, drainage of liquid media, and the required drive properties.

No two linear axes are the same in portal systems for handling and positioning tools and workpieces. Replicating this variety out of one modular system construction kit – that is the strength of Bahr Modultechnik.

### All features at a glance

- Low noise, low vibration, and low maintenance
- Long travelling distances
- Speeds up to 8 m/s and acceleration up to 10 m/s<sup>2</sup>
- Space saving thanks to compact design
- Long service life and excellent reliability
- High load capacity and bearing load
- High drive stiffness
- Low weight

### Our advantages – For you

- Unlimited individualization
- High speed and acceleration
- Trouble-free operation for high throughput times
- Maximum precision
- Advice and support with outstanding customer service
- Comprehensive product portfolio in premium quality
- Short delivery times within 2–3 weeks
- Easy assembly with extensive accessories

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