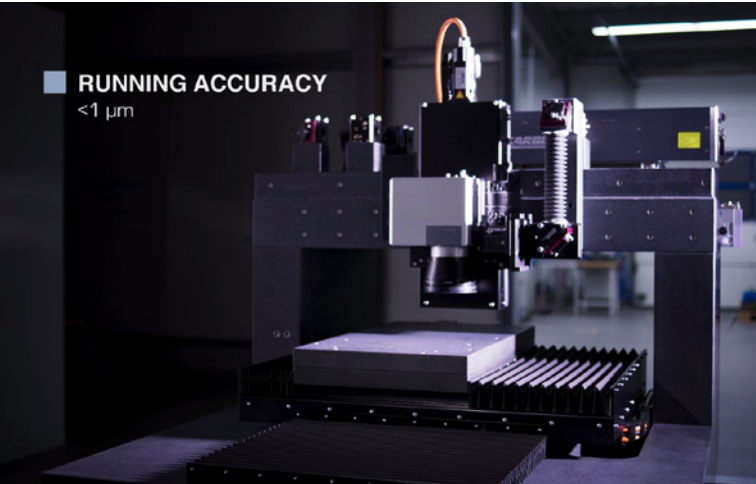
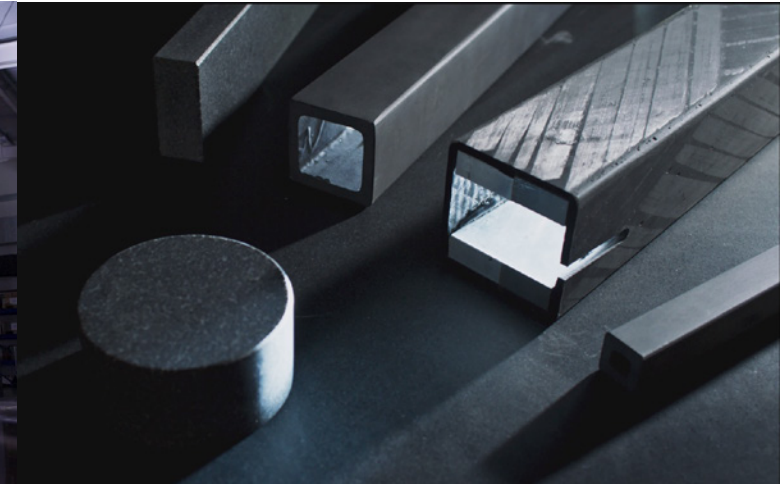
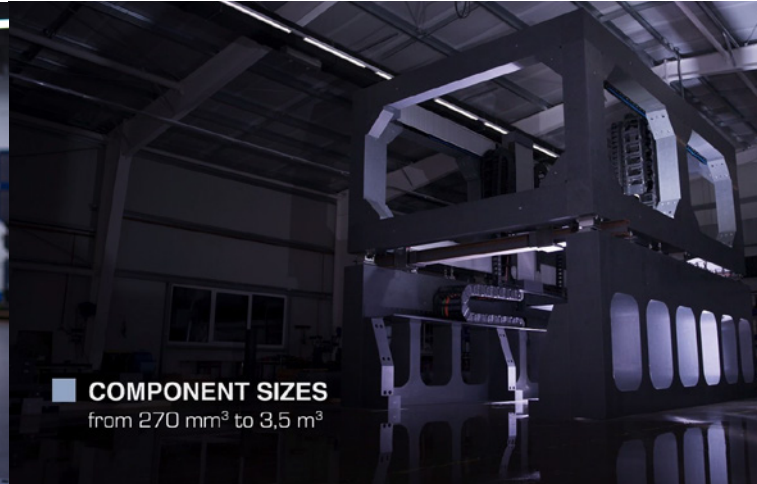


■ **RUNNING ACCURACY**
<1 μm



■ **COMPONENT SIZES**
from 270 mm³ to 3.5 m³



Summary

The Company incorporates more than 20 years' experience in design and manufacturing of precision motion control to provide turn-key system solution.




made in
Germany

Company Profile

BUSCH incorporates more than 20 years' experience in design and manufacturing of precision motion control to provide turn-key system solutions in the semiconductor, 3 D printing, and laser micromachining industries. We offer a number of standardized positioning systems, for example of granite or CFC hybrid systems, that feature maximum system and repetition accuracy. From a mere granite installation up to a highly precise axis system – a holistic approach is the focus of all solutions.

Products / Services

Our engineers and technicians develop motion control systems, ready for installation and connection, that convince through compact design, optimum precision and fast positioning. Thanks to their high rigidity and low inertia, our systems reach high accelerations with very small yaw, pitch and roll errors.

Our basis for your application!

The variety of tasks to be met by our customers call for individual solutions. Our basic systems are designed in such a way that they can be adjusted specifically to your requirements.

We offer the following options, for example:

- Scalable strokes
- Optimization for higher bearing loads
- Absolute or incremental measuring systems
- Combination with additional axes
- Design of the system for clean room operation
- Suitable material selection for various vacuum classes
- Covering, e.g. bellows
- with or without controllers
- Application of various materials such as granite, aluminium, stainless steel or ceramics
- etc.

References and export activities

Well-known customers from a variety of industries (including laser processing, electronics production, semiconductor industry, display and photovoltaic production).

Target group

- Optical industry
- Battery manufacturing industry
- Hydrogen industry
- Semiconductor industry
- Imagesetter (for semiconductors)
- Medical products (e.g. stands)

Competitive advantages

- Customized motion stages // positioning systems, which are characterized by the highest system and repeatability accuracy (micro and precision machining)
- Intelligent motion for laser processing
- Turnkey solutions
- Laser control interface

Ideal Business Partners

- Manufacturers of semiconductor wafers/bonders for semiconductors/printed circuit boards/printed circuits/imagers for semiconductors
- Manufacturers in the field of optics
- Manufacturers of bipolar plates (in fuel cells)
- Manufacturers of batteries
- Manufacturers of computer tomographs
- Manufacturers in the field of medical technology (e.g. of stents)
- Research facilities (lasers)
- Distributors: e.g. for small to medium-sized motors and drives (e.g. linear motors)



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Project

Israeli-German
business dialogue
26th - 30th 2023
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Supported by:



Project of:

