

Low cost and open to many suppliers

Spindle axis ELGT from Festo for cantilever systems

The compact and low-cost spindle axes ELGT from Festo with integrated double guide are perfect for combining into 2D and 3D cantilever systems. Developed for applications in the electronics industry, in desktop applications and in battery manufacturing, they are open to servo motors from Festo as well as many other providers, especially those based in Asia.

The high load carrying capacity and rigidity provided by the integrated double guide and the sturdy connectors make the spindle axis ELGT ideal for high payloads and strokes of up to 1400 mm. As a 3D cantilever system, it can transport up to 20 kg at speeds of up to 0.5 m/s. With a copper and zinc content of less than 1%, the axis is a perfect fit for use in assembly systems in battery manufacturing or in small parts handling.

The spindle axis becomes even more economical when combined with the axes ELGC or the mini slide EGSC, both from Festo, as a Z-axis for vertical movements in handling systems. Compatible adapter kits for all servo motors from Festo, as well as many Asian and European motor providers, and the adapter kit for opto-electrical sensors commonly found on the market in Asia, for example from Omron, make installation easy. Position sensing is cost-effective and easy using inductive proximity sensors.

Press Images



ELGT spindle axis

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ELGT spindle axes combination

Perfect for combining into 2D and 3D cantilever systems: the compact and low-cost spindle axes ELGT with integrated double guide.

About Festo

Festo is a global player and an independent family-owned company with headquarters in Esslingen am Neckar, Germany. Festo has set standards in industrial automation technology and technical education ever since its establishment, thereby making a contribution to sustainable development of the environment, the economy and society. The company supplies pneumatic and electrical automation technology to 300,000 customers of factory and process automation in over 35 industries. Digitalization, AI and the LifeTech sector with medical technology and laboratory automation are becoming increasingly important. The products and services are available in 176 countries. With about 20,600 employees in over 250 branch offices in around 60 countries worldwide, Festo achieved a turnover of around €3.45 billion in 2024. More than 8% of this turnover is invested in research and development. In this learning company, 1.5 % of turnover is invested in basic and further training. Festo Didactic SE is a leading provider of technical education and training and offers its customers worldwide comprehensive digital and physical learning solutions in the industrial environment.