

Folded Bellows

Hennig's folded bellows are still used today, after 50 years of manufacturing them, to protect many machine tools in the metalworking world. This was the foundational design, established by Gebrüder Hennig at the beginning. The product range includes simple bellows, used as dust or handling protection, as well as complex assemblies with extension systems and plates, special solutions for laser machines or special designs for unique customer protective specifications. Hennig's folded bellows are suitable for a wide application range. All systems are tested and continually optimized in Hennig's R & D department. These folded bellows are available in different materials and configurations.

Systems and Components

Hennig develops complete installation-ready XYZ-modules and offers a series of machine protection sub-assemblies, which can be arranged to suit specific requirements with respect to forces, applications, aesthetics and budget targets. The XYZ-modules are available for many configurations, with steel or aluminum aprons, lamella bellows or Flex-Protect Systems. As an example, the X-axis can be protected with alu-aprons, the Y-axis with lamella bellows and the Z-axis with traditional telescopic steel way covers. Depending on the requirements regarding speed, acceleration and load, the proper components and the suitable drivers (scissors, high speed modules etc.) will be selected for optimum performance. Hennig will design, develop and build the complete modules to suit a manufacturer's requirements and ship them to its facility, ready for installation.

Chip Conveyors

Hennig designs, builds and sells chip conveyor and filtration systems to suit any machine and material requirements. "Hennig's patented CDF Chip Disc Filtration System offers high-quality chip filtration with minimal maintenance," said a company spokesperson.

Product Range Explained in the Brochure:

- High Speed Cutting (HSC) Telescopic Steel Covers
- Folded Bellows
- XYZ-Modules/Flex Protect Systems
- Flexible Apron Covers
- Roll-Up Covers
- Wiper Systems
- Stabiflex Cable Conduits
- Stabilastic Telescopic Springs
- Machine Enclosures
- Chip Conveyors/Filtration Systems, including magnetic chip disc
- Customer-Specific Designs.

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New Free, Searchable 3D Printing Database

Senvol has launched its new database for additive manufacturing machines and materials. "Given the rapid growth of the industrial additive manufacturing (i.e., 3D printing) industry, it has become increasingly difficult to keep track of all of the machines and materials that are on the market," said a company spokesperson. "We have solved this problem with our free, searchable database www.senvol.com/database." Users are able to search the database by more than 30 fields such as machine build size, material type and material tensile strength. "We are excited about the Senvol data-

base because it is a useful tool for everyone in the additive manufacturing industry," said Senvol Co-President Zach Simkin. "There has been a growing need for a tool like this, and we are pleased to provide the industry with a solution."

According to the company, the Senvol database is used by a wide range of people - from potential machine buyers who want to see what machines are on the market to engineers who want to search for materials by specific material properties.

"Senvol values input and feedback from its user community," said Senvol Co-President Annie Wang. "Anytime

users have a comment, suggestion or idea, they are encouraged to email database@senvol.com. It is through our user community that we are able to continuously improve the Senvol database."

Senvol is a services firm that conducts analytics exclusively for the additive manufacturing industry.

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