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## X-Y SHIELDS WITH LAMINATIONS 2025

PEI presents some new features at EMO 2025 concerning the recent UNIQUE STEEL COVER EVO and the MODULAR X-Y shield.

**UNIQUE STEEL COVER EVO** is the innovative bellows with stainless steel slats that involves the use of bellows only in some parts of the cover, making the product very light.

It is a patented system, suitable for X-Y shield configurations, particularly appreciated by primary German machine tool manufacturers.

**UNIQUE STEEL COVER EVO** fits specially for X-Y shield configurations: features excellent chip resistance with extremely reduced overall dimensions: the closed length measures 40% less than traditional bellows, making it the most suitable product for applications with particularly small spaces.

The new bellows has a green soul: it is manufactured from materials of which 90% can be recycled and with no use of glues and solvents. Thanks to its light weight, it allows significant energy saving during handling

### Highlights:

- 40% less closed length thickness
- Easy installation
- Quick maintenance operations
- Reduced oscillations in reverse rapid motion

Concerning the Modular X-Y shields, a **new technology** has been developed by P.E.I. to design and manufacture the bellow shields much faster, in order to offer a **more efficient service** to our customers.

We have improved the design and production of the frame, replacing the ribbed sheet metal with standardised aluminium profiles, **making manufacture more precise and delivery times significantly faster.**

The result is modularity in project and production, which offers the customer **many advantages** in addition to fast delivery, such as significantly **smaller overall dimensions** and **easier assembly.**



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What's more, **the installation in the machine is really versatile**: the customer may use the most suitable fixing systems, without application restrictions.

#### Highlights:

- Outstanding fixing versatility
- Quick and easy assembly
- Minimum space required
- Fast delivery

Video available on You Tube channel: <https://youtu.be/K7Xw5iclAMQ>

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