



**P**rotezioni  
**E**laborazioni  
**I**ndustriali

Calderara di Reno, August 2018

## PRESS RELEASE

P.E.I. Srl exhibits PROTECTIVE COVERS FOR MACHINE TOOLS  
at AMB, BIMU and MSV

- **GIANT SHIELD:** a gigantic protective wall
- **MULTIBEND:** the robust and lightweight telescopic cover
- **SYNCHRO-TEL TECH:** stability during movement, no rolling motion
- **DAMPER-SHELL EVO:** avoids impact between the boxes
- **CERAMIX LIGHT:** aerospace technology in band material for roll-up covers
- **SMARTDRIVE:** the compact motorised solution for WAVE-SKY overhead protection

P.E.I. SRL ([www.pei.eu](http://www.pei.eu)) with headquarters near Bologna, Italy, is one of the leading manufacturers of dynamic protective covers for machine tools. In 2018 P.E.I. will present their amplified product range of protective solutions for industrial machines and plants at the exhibitions AMB, BIMU and MSV.

In 2017 P.E.I. presented their new engineering-, sales- and production departments for X-Y protective walls at the EMO fair in Hannover. This newly established organisational structure has already achieved remarkable results. In 2018 P.E.I. has produced **GIANT SHIELD**, a gigantic protective wall, the biggest which has been manufactured in almost 40 years of their existence. This immense protection consists of a bellow with steel plates reaching a height of up to 6000 mm. The special technology which has been used enables the production of such long plates in one piece. At the AMB exhibition in Stuttgart and BIMU in Milan it will be possible to view an illustrative model.

The telescopic cover **MULTIBEND** weighs up to 50% less than a similar but standard telescopic cover. Research has shown that due to this new geometry, bending of the boxes remains stable even though the sheet thickness has been reduced. The mathematical formula of the in-house calculation software L-Cover enables to calculate the geometry, the sheet thickness, the bending as well as the weight of the cover. L-Cover also determines possible abatements of CO2 emissions and how the energy required to power the machines may be reduced. Multibend will be exhibited at the AMB exhibition in Stuttgart and BIMU in Milan.

P.E.I. telescopic covers are equipped with accessories like SYNCHRO-TEL. This technology is improved in 2018 by the "**TECH**" version. In the case of SYNCHRO-TEL "**TECH**" the fit tolerance of the metal braces which allow for a synchronised travel movement has been reduced. This way, possible rolling movements between the single braces can be avoided. Also in the case of DAMPER-SHELL, with its new version **DAMPER-SHELL EVO**, the P.E.I. software is able to calculate the energy dissipation.

### **P.E.I. Protezioni Elaborazioni Industriali S.r.l.**

Società unipersonale del Gruppo PEI Italia Srl

Via Torretta, 32 - 32/2 - 40012 Calderara di Reno (Bologna) ITALY

Capitale Sociale € 1.000.000 i.v. - C.F.: 02894991203 - P.IVA 02894991203

Tel.: +39 051/6464811 - Fax: + 39 051/6464841 e-mail: [info@pei.it](mailto:info@pei.it)



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Up to 2.000.000 working cycles are guaranteed for this solution. Both products are patented.

As a result of the continuous research work at P.E.I., in 2018 emerges **CERAMIX LIGHT**, a lighter version of the well-known material for roll-up cover bands containing nano-ceramic particles. Roll-up covers equipped with CERAMIX LIGHT have the same durability, but at half the weight and winding diameter. This material can be wound on tubes with a diameter starting from 20 mm.

**SMARTDRIVE**, the compact motorised version of a WAVE-SKY overhead protection will be exhibited at the AMB and BIMU exhibitions.

**P.E.I. SRL is exhibiting at:**

the AMB in Stuttgart from the 18th until the 22nd of September 2018, Hall 10 Stand E74  
the BIMU in Milan from the 9th until the 13th of October 2018, Hall 15 Stand F82  
the MSV in Brno from the 1st until the 5th of October 2018, Hall P Stand 080.

**Information concerning the P.E.I. - Group**

*P.E.I. – Group has its headquarters at Calderara di Reno (Bologna) and five further productions sites in Italy as well as premises in Germany, Serbia and Brasil. They produce telescopic and roll-up covers, bellows with and without plates, round bellows, bellows for articulated busses, as well as profiled and linear wipers for a variety of industrial sectors. Numerous markets and a varied clientele constitute a strong point of P.E.I. The group is known for their innovative and high-quality products, a close collaboration with the customer during design and cost containment all of which are appreciated by companies abroad to which 50% of production is destined (first market Germany).*

Further information: [www.pei.eu](http://www.pei.eu)

**Press contact:**

Ms. Eliana Cocchi [ecocchi@pei.it](mailto:ecocchi@pei.it); Ms. Freia Alexander [faalexander@pei.eu](mailto:faalexander@pei.eu).

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