

BELLOWS AND PROTECTIVE COVERS BY



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Machine Tool Industry

■ Telescopic Cover

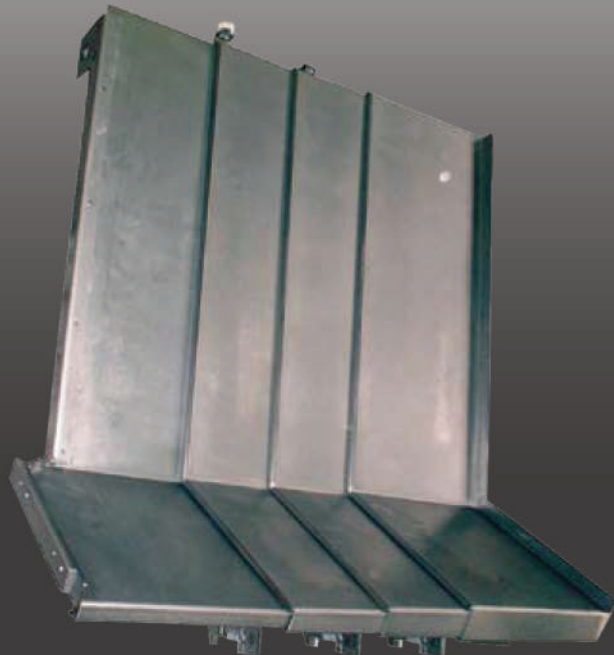
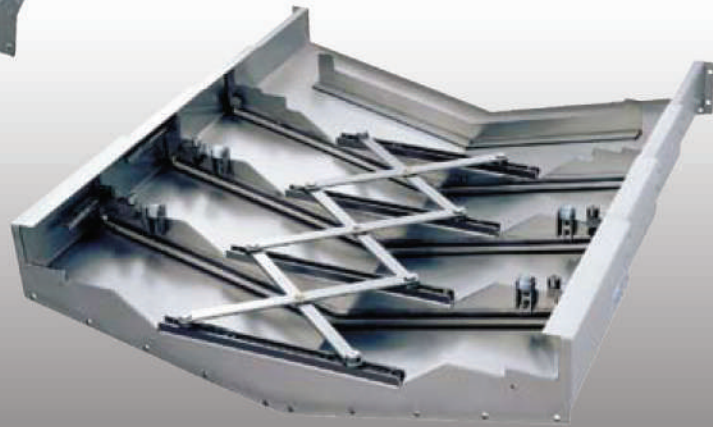
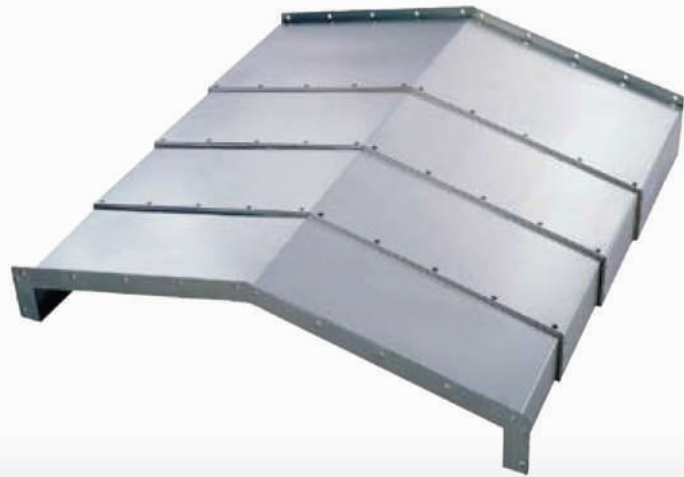


TABLE STYLE



COLUMN STYLE

■ Attributes

SPM (Synchronized Parallel Mechanism)

N-SPM (Nabell Synchronized Parallel Mechanism)

DSM (Double Synchronized Mechanism)

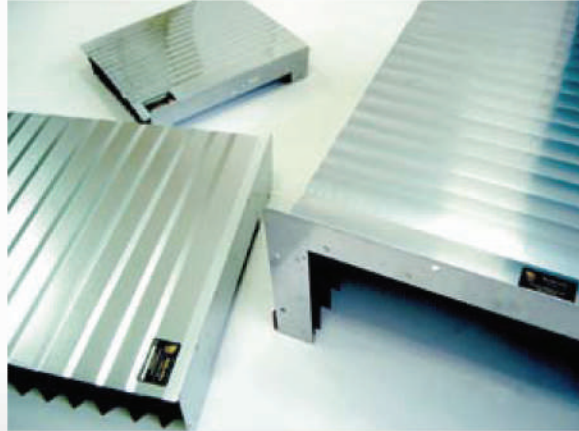
SSM (Single Synchronized Mechanism)



Machine Tool Industry

■ Cladded Cover

OS Armor



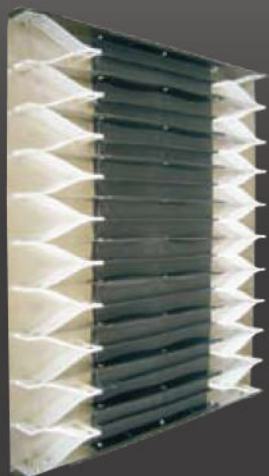
Bellows with Cladding

VS Armor



Cladding attached to special guides allowing radial movement (patent pending)

AS Armor



Consists of cladding and tension plates (patent pending)

■ Applications

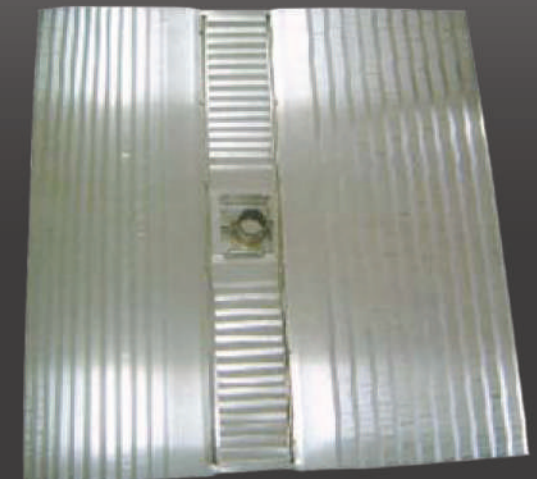
Machining Center (vertical)



Hyper Arpon



Ceiling cover





■ Round Bellows



Wire reinforced bellows

Material Choices:

Neoprene/nylon
Silicone glass cloth
Aluminized Kevlar

WR (welded round) bellows

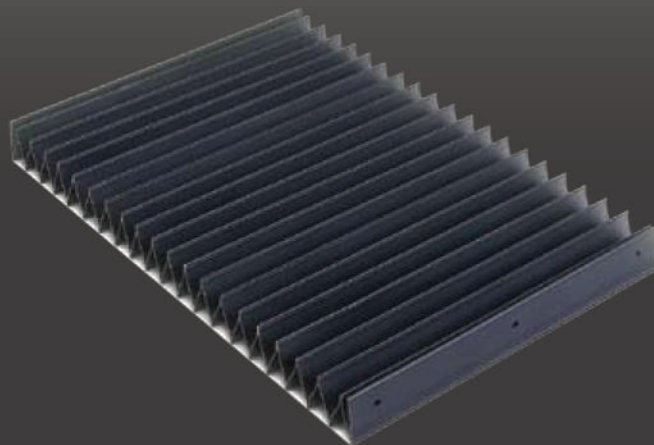
RF sealed

High speed/high cycle
Polyurethane
Air/liquid tight



■ Flat Bellows

Folded, sewn, or a combination of both



Wide variety of materials
Made to order, no tooling in most cases
Highly customizable

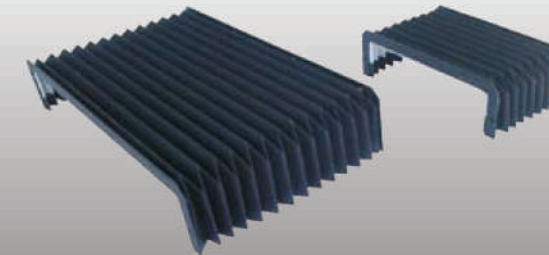
■ Way Cover Bellows

AF (Advanced Folding)



A single layer structure equipped with thermal-welded stiffeners in each fold

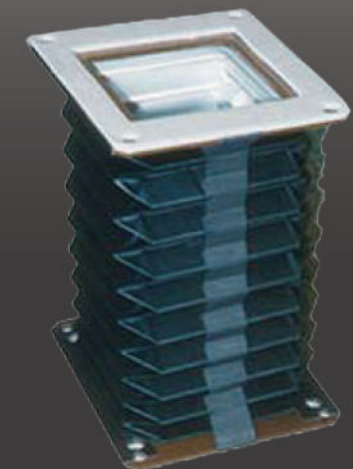
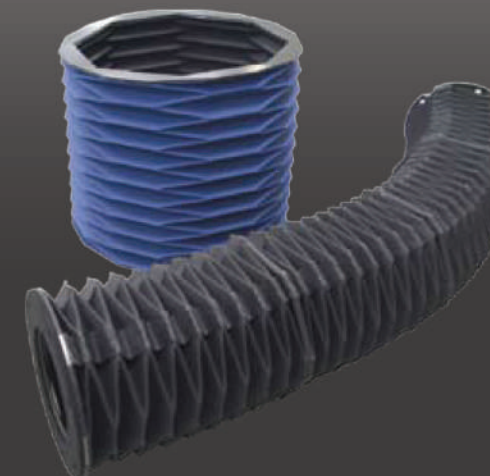
PF (Perforation fold)



A triple layer structure made with proprietary materials for a wide variety of applications

■ Multi-Sided Bellows

Folded, sewn, or a combination of both

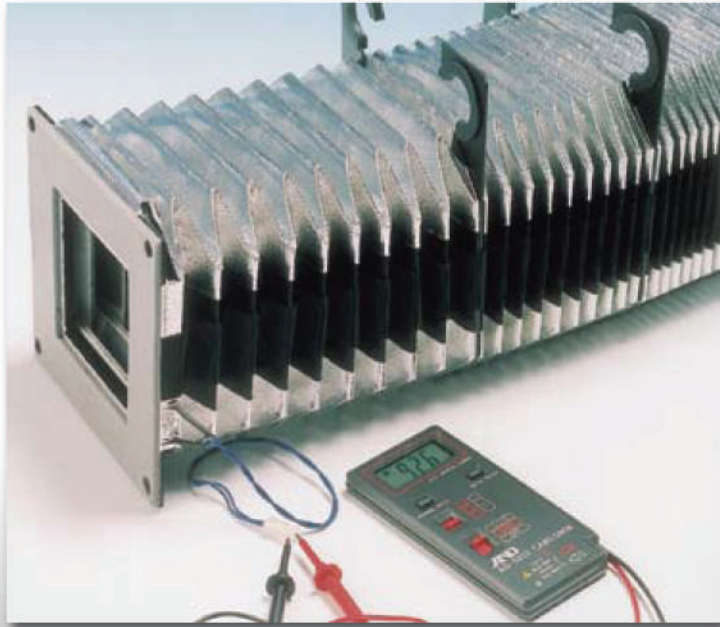




Industrial Machinery

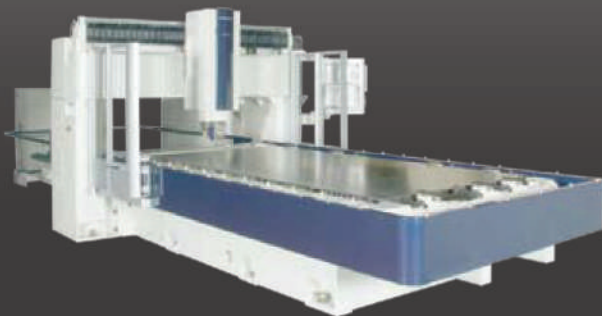
■ Laser Bellows

Sensor



Internal sensor will shut down machine if restrike occurs and the laser penetrates the bellows.

Laser



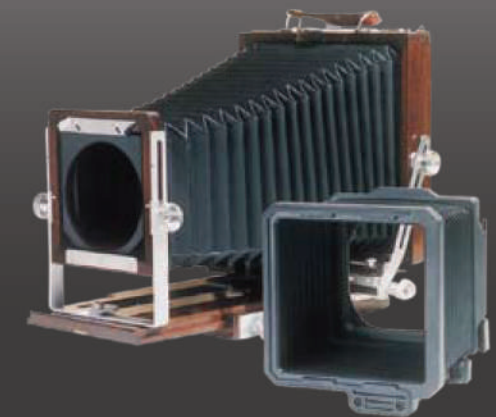
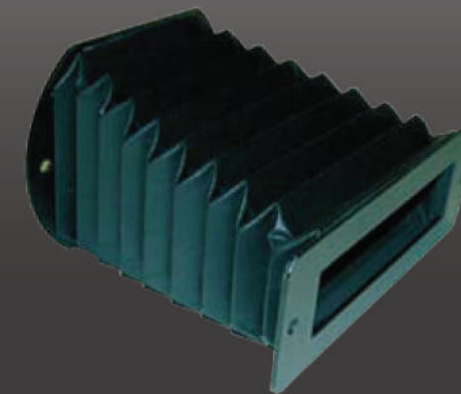
Inspection and Optical Machinery

■ Measurement Machine



■ Line Inspection (CCD)

■ Camera





Semiconductor

■ Dicer



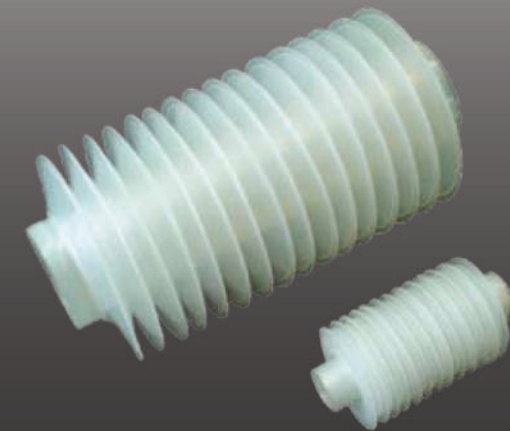
■ Scara Robot



■ Slurry Resistance



■ Clean Room



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