

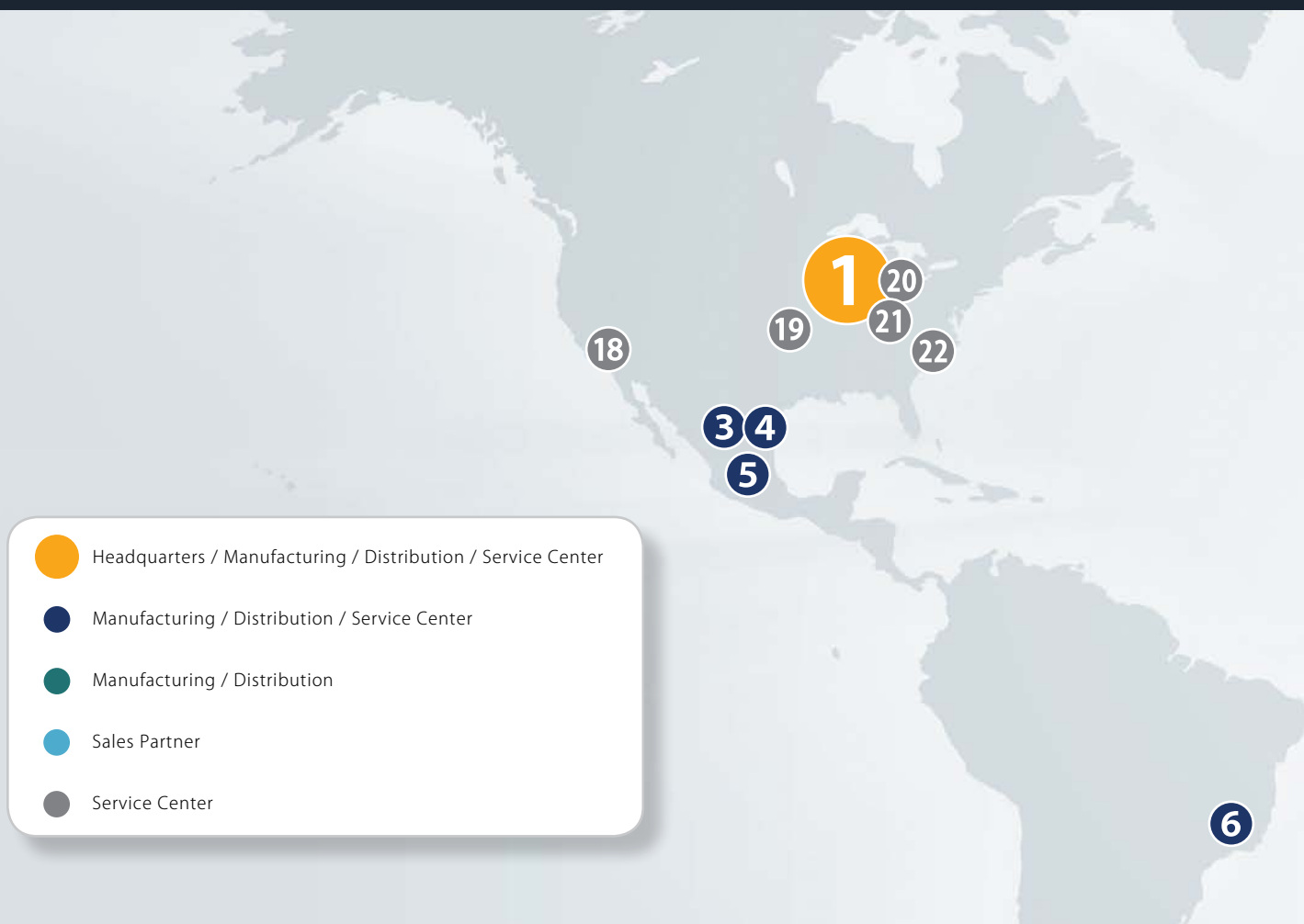
# MODULAR FACE SHIELDS

(XYZ MODULES)



# HENNIG WORLDWIDE

manufacturing / sales / service centers



- Headquarters / Manufacturing / Distribution / Service Center
- Manufacturing / Distribution / Service Center
- Manufacturing / Distribution
- Sales Partner
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# MODULAR FACE SHIELDS (XYZ MODULES)

## features & guide systems

Hennig worked with national and international machine tool builders to pioneer development of complete, assembly-ready XYZ-modules. Today, a variety of modules are available, which can be combined in many configurations depending on the application, load, aesthetic value and cost. With its XYZ-modules, Hennig presents the most innovative solution for more flexibility and speed while protecting crucial components of your machine tool.

Hennig develops complete XYZ modules ready to be attached to the machine and offers any combinations regarding requirements, loads, application, aesthetic or costs to suit the customer. These XYZ-modules can be built in any combination with steel or aluminum aprons, steel-clad bellows or flex protect products.

As an example, the X-axis can be an aluminum apron, the Y-axis a telescopic steel cover. Depending on speed, acceleration and loading, we select the proper elements such as scissors, high speed modules, etc.

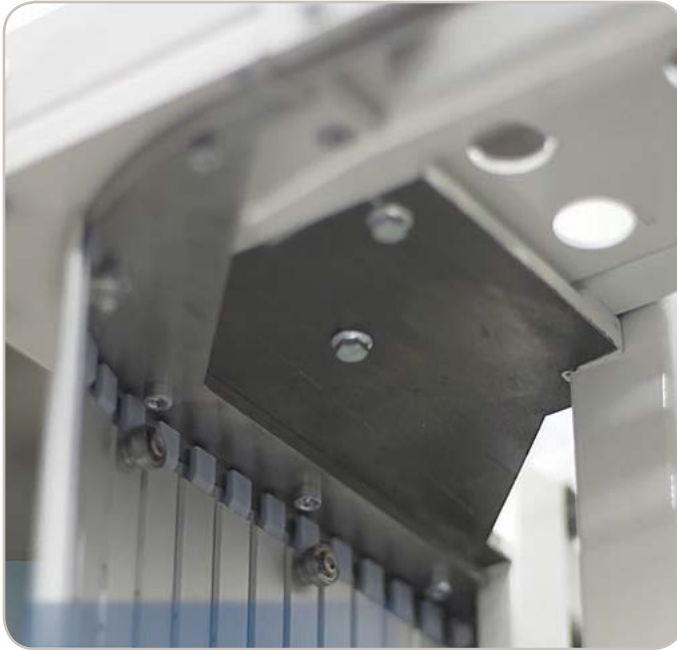
The complete module with all required support units from our own development and manufacturer is individually put together to suit the customers requirements.



## FEATURES

- Assembly-friendly, using a compact building block design that allows replacement of individual components
- Assembly-ready with all necessary parts
- Resistant to damage from high dynamic forces
- Individually engineered to your specifications and space requirement
- CL wiper lip absorbs the vibrations of the aluminum apron up to 3 mm
- Configured to your specifications, combined with telescopic steel covers, aluminum aprons, lamella bellows, or flex protect covers. For example:
  - X-axis: Aluminum aprons*
  - Y-axis: Lamella bellows*
  - Z-axis: Telescopic steel covers*

## GUIDE SYSTEMS FOR XYZ MODULAR FACE SHIELDS

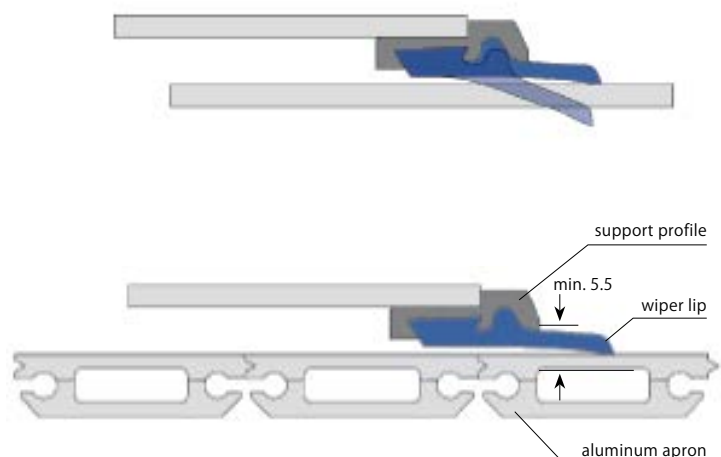


- Mechanical guide system specially designed for aluminum aprons.
- The deflector or take-up system, depending on apron type (ALUFLEX or GS20) guides the apron in one or two directions.
- The available space on or inside the machine determines the shape of the apron guide, whether redirection into an available space, or rolled-up spirally, elliptically in any position, including overhead.
- The nearly wear free guide system is capable of high speeds up to 100m/min. (3936 inch/min.) and acceleration up to 1g.
- Extremely easy to slide and pull.

## CL1 WIPER SYSTEMS

wipers ideal for xyz modules

- Suitable for large areas and aluminum apron systems, suitable for a variety of applications.
- Optimum scrape performance. Smooths out unevenness of up to 3 mm with ease.
- Perfect sealing guaranteed.
- Highly reliable and resistant against all standard coolants.
- Available in continuous lengths.



# SERVICE & REPAIR

scope of services

## WE KNOW HOW EXPENSIVE DOWNTIME CAN BE

That's why we offer quick, responsive, service for the following products:

- Telescopic Steel Covers (see next page for details)
- Bellow Covers
- Aprons & Roll Ups
- Modular Face Shield Systems
- Wiper Systems
- Walk-On Pit Covers

We provide repairs and replacement parts for all the products we sell. With our experienced technicians, it doesn't matter who manufactured the original product, the end result absolutely must meet Hennig standards for quality and safety before we will consider it finished.

## OUR SCOPE OF SERVICES:

- Preventative and Predictive Maintenance Training
- Way cover diagnostics and troubleshooting
- Extensive replacement spare parts inventory
- On-Site repairs of waycovers of any make on the market
- Logistics services for minimum downtime

## SERVICE & REPAIR CENTERS WORLDWIDE

We have 17 service centers located throughout the world, enabling us to provide fast, localized service no matter where you are. Below is a snapshot of our service & repair locations.

*For more details and contact info, see pages 1-2.*



# SERVICE & REPAIR

for telescopic steel covers

## REPAIR & REFURBISHING SERVICES

At Hennig we service everything we sell. Our repair and refurbishment facilities are located in regions worldwide, so you get fast, localized service from experts who speak your language and deeply understand the systems you're using. We have the resources to keep your systems running - and running right - so you minimize downtime and get the greatest possible return from your machine investment.

### services offered

- Repairs for all Hennig and non-Hennig way covers
- Same-day turn-around on diagnosis and repair estimates
- Reverse engineering of existing way covers
- Fast, local access to spare parts and supplies
- Customer training for in-house way cover repair
- Service and repair of Hennig Chip Conveyors
- Preventive maintenance service contracts available
- Service initiated within 48 hours in most locations
- On-site services available
- 90-day warranty on parts and labor

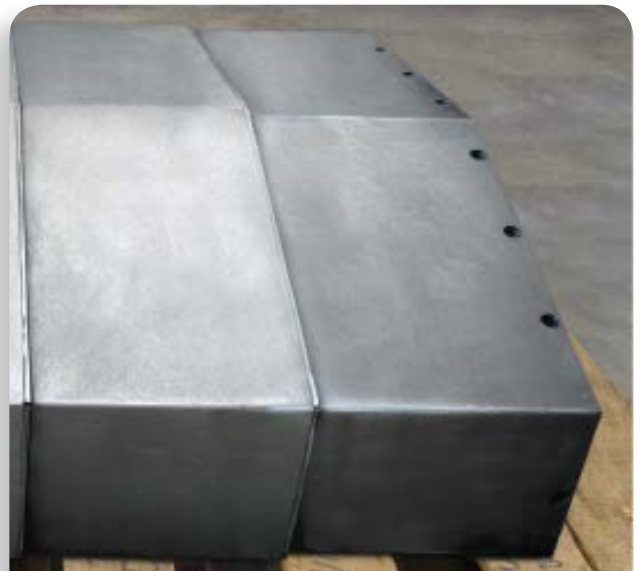
### service. where you need it.

Hennig has way cover repair facilities located throughout the world to better serve our customers.

**See pages 1-2 for a complete list of our repair facilities and contact information.**



↑ Before Hennig Repair



↑ After Hennig Repair



[www.hennigworldwide.com](http://www.hennigworldwide.com)

For over 50 years, Hennig Worldwide has been defining Excellence in Machine Protection, creating regional jobs, serving their local communities, and supporting the global needs of machine tool customers.

Specializing in chip management, machine protection, and facility safety, Hennig products optimize production and keep your shop floor clean and safe.

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## **MACHINE PROTECTION**

Telescopic Steel Covers  
Modular Face Shields (XYZ Shields)  
Bellows  
Aprons  
Roll Up Covers  
Walk-On/Pit Covers  
Wiper Systems  
Telescopic Springs  
Cable Conduits

## **CHIP SOLUTIONS**

Chip Conveyors  
Chip Disc Filtration (CDF)  
Coolant Tanks  
Turnkey Chip Systems  
Conveyor Networks

## **FACILITY SAFETY**

Walk-On Pit Covers  
Scissor Lift Bellows  
Rooftop Systems  
Platforms and Enclosures  
Guarding and Fencing  
Special Fabrications

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*See pages 1-2 for contact information*