

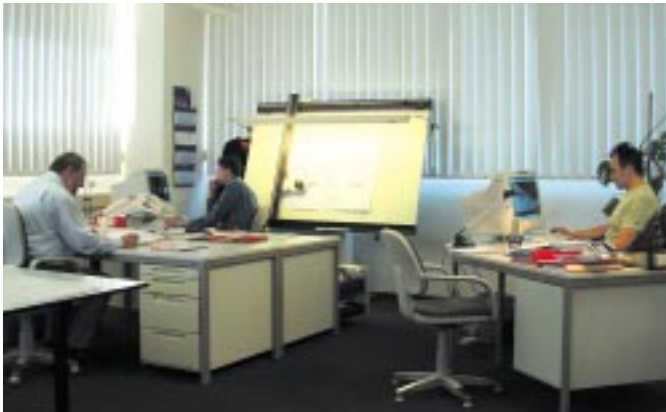


Telescopic steel covers for beds and guide ways of machine tools



Development, design and manufacture of telescopic covers since 1972





Welcome at RAUMAG-JANICH

RAUMAG-JANICH is an established supplier of telescopic covers for the protection of bed and guide ways of machine tools. Our department "telescopes" has been set up by way of a spin-off from TIRA Maschinenbau GmbH. This organisation started in 1972 to design and manufacture such covers in a wide variety of types and shapes and had, in consequence, accumulated considerable experience and know how at the time the spin-off took effect.

RAUMAG-JANICH develops technically high class and reliable detail solutions, such as

- service specific wipers,
- reliable guide elements (rollers and sliders)
- rugged connectors,
- several damping elements for fast travelling covers.

RAUMAG-JANICH possesses outstanding manufacturing potential. CNC controlled fabrication machines guarantee that each cover is produced to a high dimensional accuracy, which assures later exchangeability of single elements or wear parts. Partnership with our customers has been strengthened through product reliability, fast order execution, in time deliveries and quality, features that are much appreciated and which have secured us their continued cooperation and support. Confirmation of this may be deduced from the many years of fruitful relationship we enjoy with each of more than 150 prominent machine tool suppliers.

Thus, from early project stage through manufacture, assembly and after sales service we are a reliable partner for your enterprise as well. RAUMAG-engineers, long serving senior people with years of design and manufacturing experience to their credit, are available to go out and advise you on all aspects of telescopic covers. With the aid of the most modern computer assisted methods we are able to come up quickly with the best possible solution to suit your machine tools.

Our quality management has been certified to ISO 9001 by TÜV Hessen. High availability, safety of operation, and reliable protection of all guide ways has utmost priority in this endeavour.

RAUMAG-JANICH stands for:

**Perfect technique,
quality and
reliability**

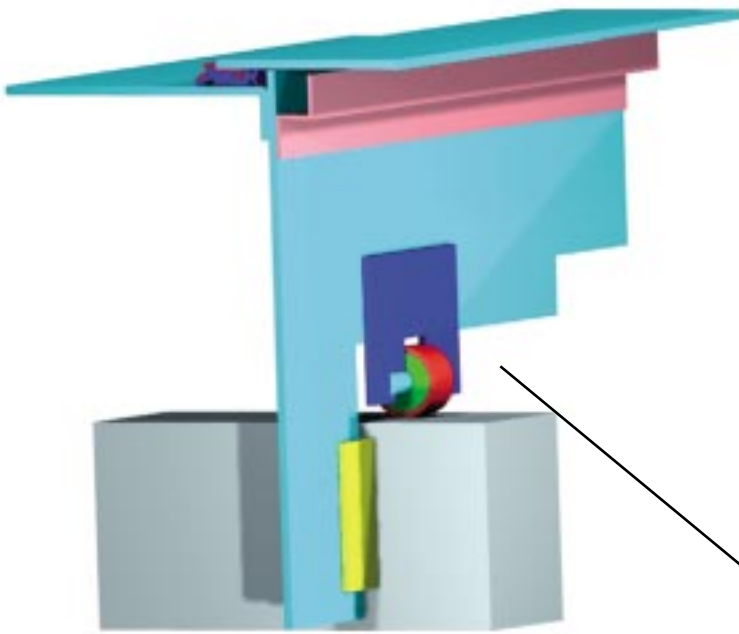




Photo by Union Chemnitz

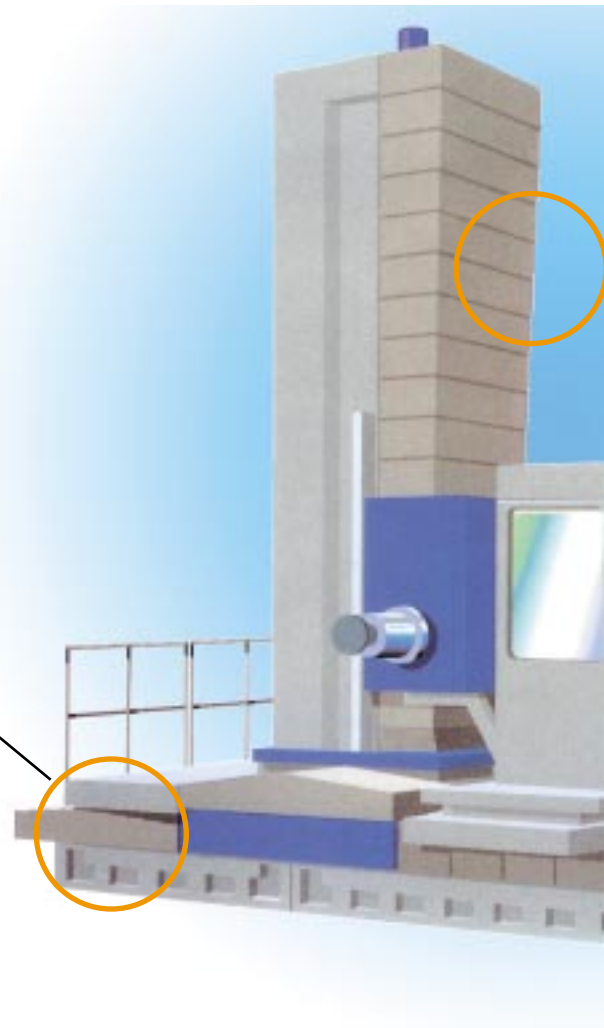


Photo by Waldrich Coburg

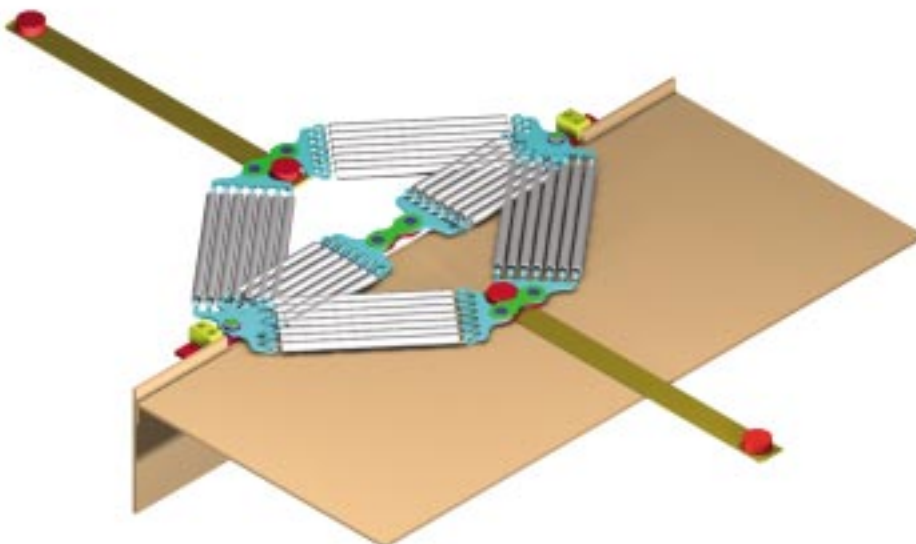


Several fluid drain designs are available. Their purpose is to drain any penetrating coolants or other liquids away .

Ball bearings of the NATR type, alternatively rollers of synthetic materials, are employed as support or guide rollers. Also used are brass sliders, brass sliders with synthetic contact surfaces or fully synthetic gliders



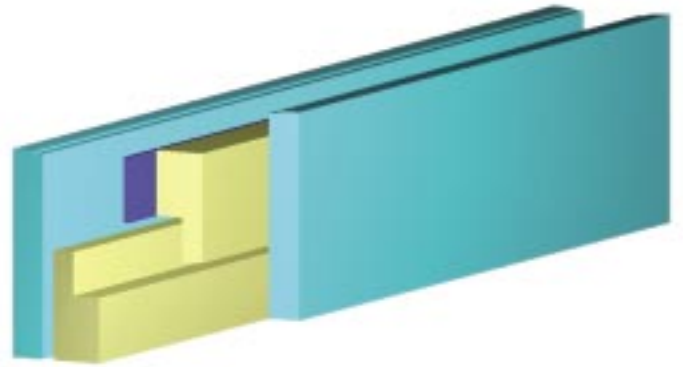
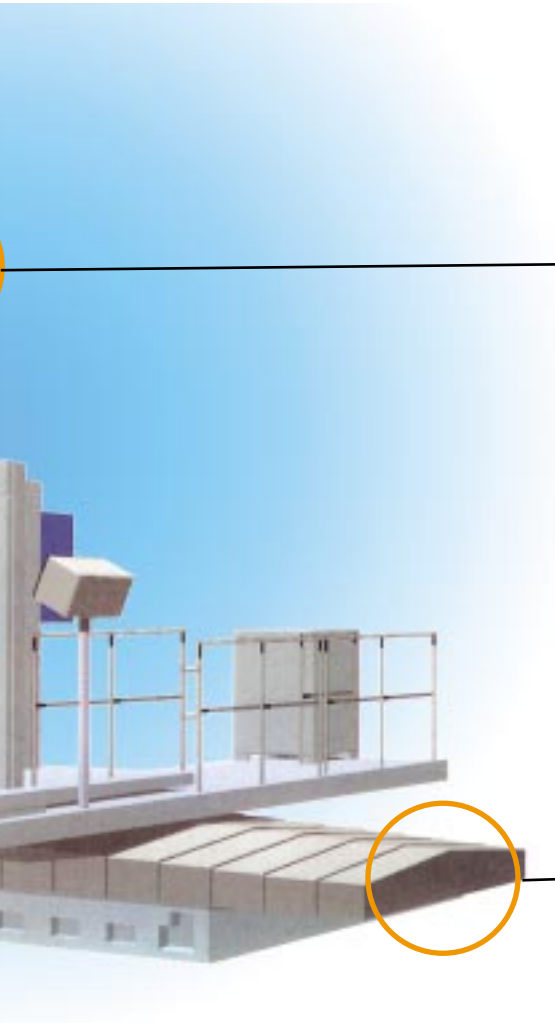
The sketches on the left depict suitable guide rollers for every application.



RAUMAG-JANICH engineered a special spring dampening system (depicted on the left) for fast travelling telescopic covers. During extensive trials over a period of several years the system has been optimised and is now in service with several large, high velocity machine tools with very satisfactory results.

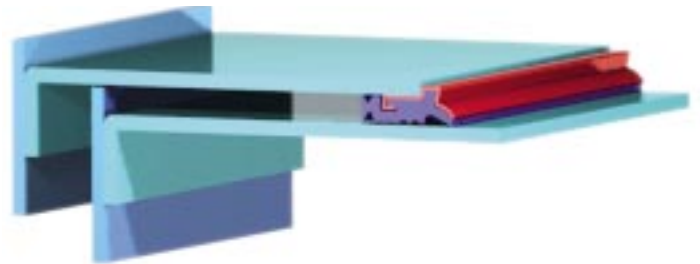
The movement of the covers will be damped down during system extension as well as contraction. This reduces excessive wear and increases the service life considerably.

The spring dampening system provides a steady, floating movement of the individual covers and no disturbing noises occur.

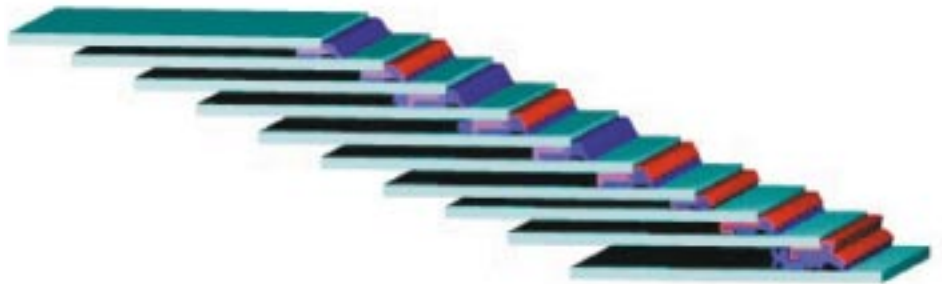


Locking strips are used for covers without undergrip. They prevent the lifting of individual covers.

Wipers prevent the ingress of metal cuttings and coolants to the machine beds and guide ways. Our wiper AB 18.1 are made up of an attachment bar and rubber seal which is easily replaceable if necessary.



For every application a suitable wiper is available.



For certain service conditions **RAUMAG-JANICH** developed a synchronisation system. (illustration on the right) This provides for a simultaneous movement of all covers resulting in a correspondingly harmonious system actuation.

Very wide covers are equipped with two parallel working synchronisation systems in order to avert any possible cover slanting or jamming.

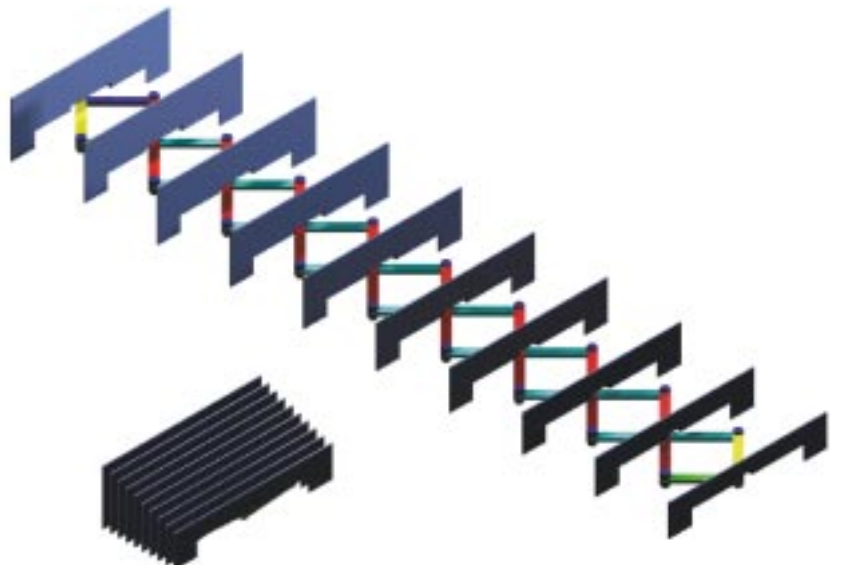




Photo by Toshiba



TOSHIBA -universal boring mill mit with telescopic covers supplied by **RAUMAG-JANICH**.

Depicted on the left are covers packed for sea transport, awaiting despatch in the works of **RAUMAG-JANICH**.



Photo by Waldrich Coburg

Advantages for your benefit:

- **RAUMAG telescopic steel covers,** on account of their high technical standard, afford a high availability and reliability.
- **RAUMAG telescopic steel covers** have a long life because they are made of high grade sheet steel and are fitted with wear resistant connectors/wipers and special glider and roller elements.
- **RAUMAG telescopic steel covers** are as a matter of course fitted with wiper shielding strips in order to protect the wipers against damage by hot metal cuttings, chips and dirt.
- **RAUMAG telescopic steel covers** are walkable when not in motion and facilitate access to the work front.
- **RAUMAG telescopic steel covers** can accept heavy loads due to their design.
- **RAUMAG telescopic steel covers** prevent accidents..
- **RAUMAG telescopic steel covers** provide a pleasing optical impression through their harmonious integration into the overall picture of the machine tool.
- **RAUMAG telescopic steel covers** increase the longevity of the machine tool.

WALDRICH-universal boring mill with TANDEM telescopic covers supplied by RAUMAG-JANICH

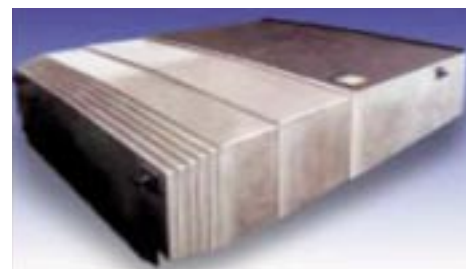




Photo by Waldrich Coburg

Convincing performance WALDRICH universal boring mill equipped with **RAUMAG-JANICH** vertically installed telescopic covers as well as tandem covers for the machine bed and guide ways. The width of the tandem covers are 3000 mm, the travel distance along the x-axis is 17000 mm.

RAUMAG-JANICH: Perfect technique, quality and security.



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