

Franke

*... an invention
prevails*



*... Franke components for
packaging machines*

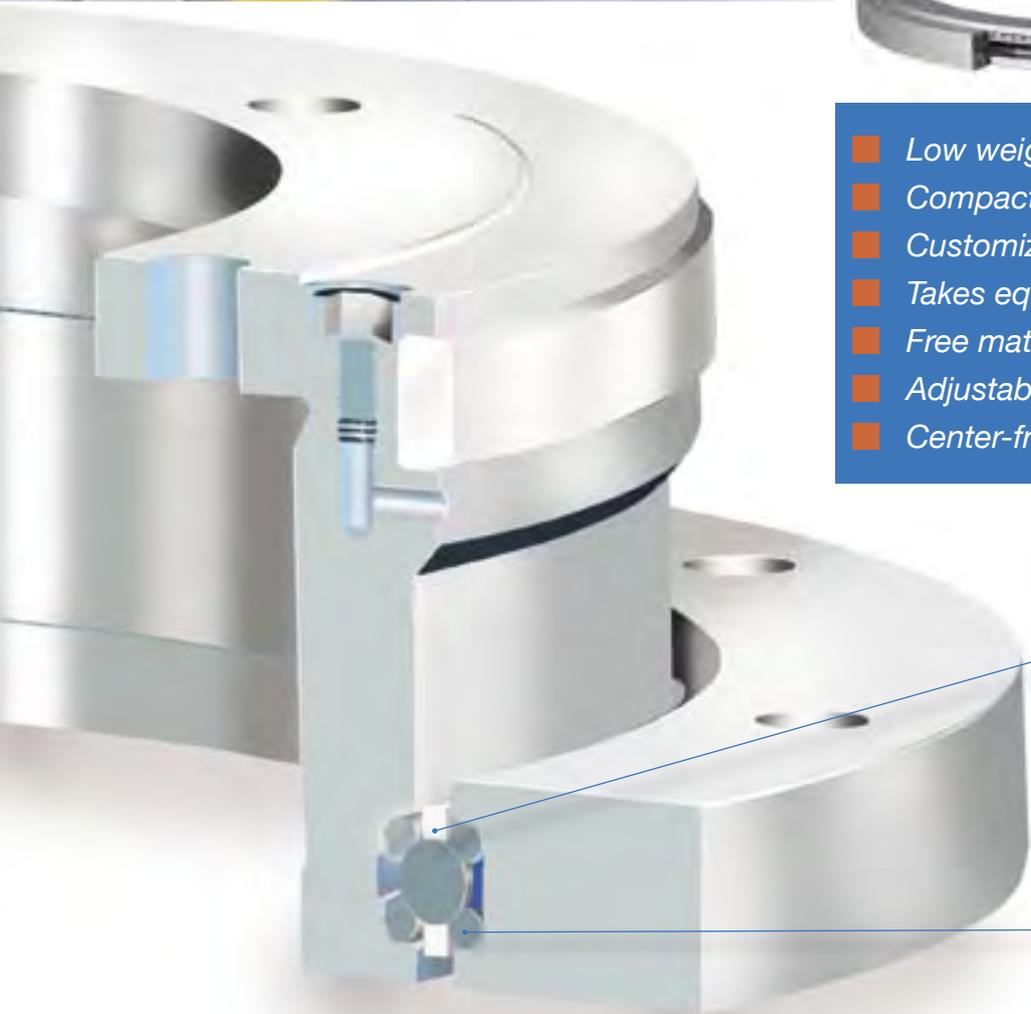


(Foto HTC)

Franke antifriction bearings for packaging machines



- *Low weight due to aluminium*
- *Compact design*
- *Customized design available*
- *Takes equal loads from all directions*
- *Free material selection*
- *Adjustable rotational resistance*
- *Center-free construction*

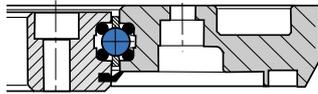


Free selection of the bearing material for best results. For example: ball cages made of teflon, balls made of silicon-nitrit

The patented Franke-System of embedded wire races enables you to design space saving bearings with free selection of the material of the mating structure

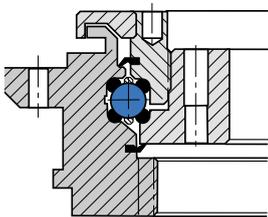


... Bearing solutions
for packaging:
Franke antifriction bearings



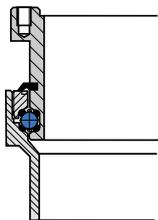
Ball-Ø: 9,5mm
Bearing-Ø: 900mm

Free selection of the housing materials enables you to use special parts for clean room or vacuum. The housing parts can be designed freely. We supply race rings and balls in various material.



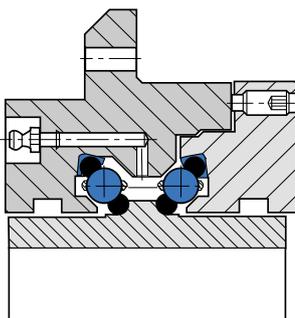
Ball-Ø: 12mm
Bearing-Ø: 780mm

4-point-contact ball bearing with several seals. The housing parts are made of non-corrosive steel.



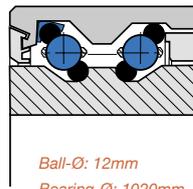
Ball-Ø: 6mm
Bearing-Ø: 240mm

There is no way to design a more space-saving bearing into an aluminium housing than with Franke bearing elements. High loads and precision due to the steel race rings.



Ball-Ø: 12mm
Bearing-Ø: 1060mm

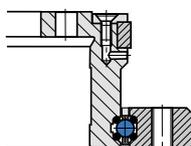
Today bearings for CT-scanners are made by Franke. The patent Flüsterlager with race rings embedded in Elastomer guarantees smooth and silent running together with excellent precision and high speed. Inner and outer ring are electrically isolated from each other. Made of aluminium the reduced weight helps to save energy.



Ball-Ø: 12mm
Bearing-Ø: 1020mm

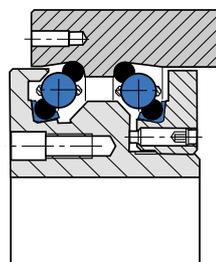
The typical features of Franke slim bearings are the extremely thin sleeves that cover the classical Franke wire race bearing. Franke antifriction slim bearings are perfectly suited for small mounting space, easy mounting, low weight and low costs.

Regardless of the material you use for the mating structure Franke antifriction slim bearings supply you with the highest possible load capacity and precision.



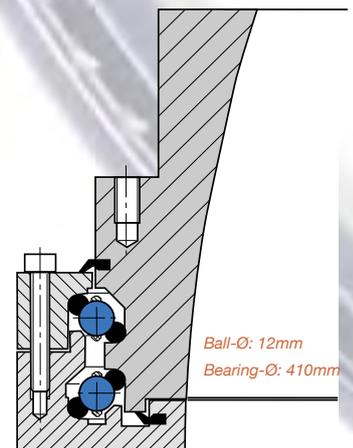
Ball-Ø: 6mm
Bearing-Ø: 138mm

There is no way to design a more space-saving bearing into an aluminium housing than with Franke bearing elements. High load carrying capacity and precision due to the steel race rings.



Ball-Ø: 12mm
Bearing-Ø: 1060mm

4-point-contact ball bearing with several seals. The housing parts are made of non-corrosive steel.

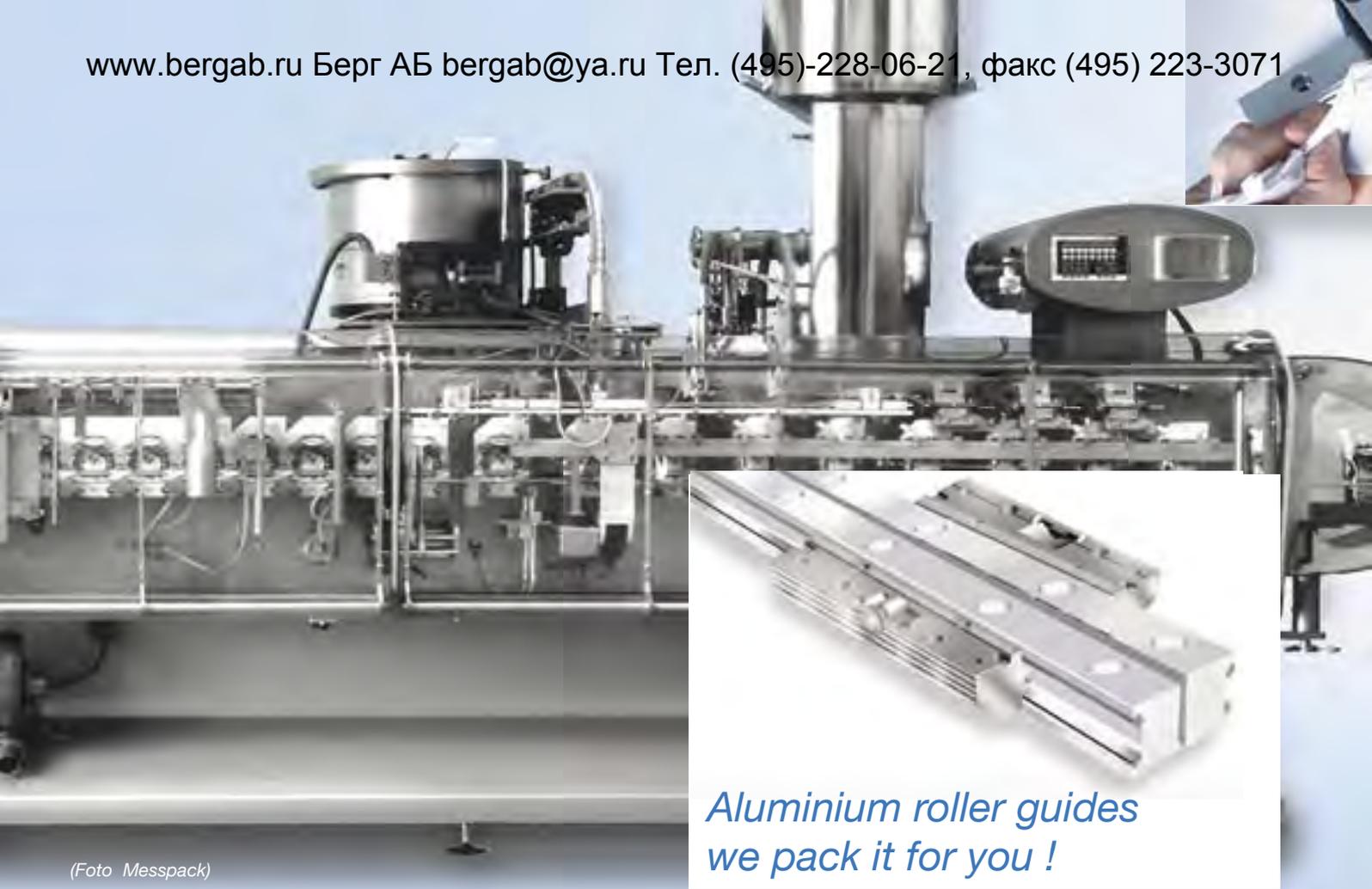


Ball-Ø: 12mm
Bearing-Ø: 410mm

for example
Franke slim bearings:

When developing new products we always concentrate on the highest benefit for our customers concerning technical aspects as well as cost-performance-ratio.

Looking back on our experience of fifty years in building antifriction bearings we designed the Franke antifriction really slim bearing.



(Foto Messpack)



Aluminium roller guides we pack it for you !

- Silent and smooth running
- Maintenance free
- Lubrication free
- Light weight aluminium bodies
- Numerous variants (non-corros., non-magnetic)
- Slide resistance re-adjustable
- Endless stroke lengths

grease-free
light
long lifetime



Adjustable slide resistance for different load situations.

Huge dimensioned rollers for smooth and easy running and for loads from all directions.

Detachable plastic wipers with felt inlay or metal inlay (option).

Aluminium body with special surface coating for clean room, medical technique, food industries or vacuum.

Ground raceways made of non-corrosive steel or non-magnetic steel.



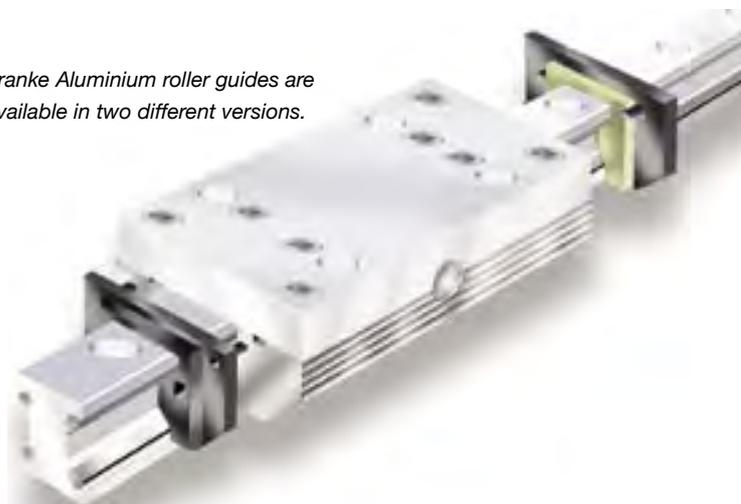
A clean job:
the lubrication-free variant of the
Franke aluminium roller guide

Aluminium roller guides...competence for moving



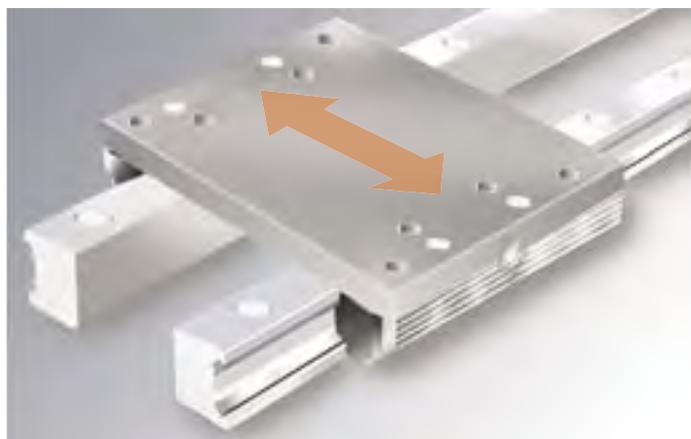
Franke aluminium roller guides fit perfectly on aluminium mating structures. The benefit for you: light weight, homogeneous material behaviour and corrosion resistance.

Franke Aluminium roller guides are available in two different versions.



Double rail & cassette

With double rails and cassettes we supply you with a ready-to-use adjusted linear guide system. The slide resistance of the cassette can be re-adjusted whenever needed.



You decide the guiding width individually. Connect your mating structure directly to the roller shoes of the guide system. This reduces the height of the system and makes it more cost effective. A small adapting plate which is included to the set of roller shoes has to be inserted into the mating structure for adjusting the slide resistance.



Pair of single rails & pair of roller shoes

With pairs of single rails & pairs of roller shoes the aluminium roller guide becomes an integrated part of your construction. This is the most space-saving solution with free selectable guide width and a favorable price.

Individual system

... for your individual application

Standard

... please consult us for your further information

Niro

non-corrosive
non-magnetic
grease-free

Low-Cost

Franke antifriction bearings doing their job: ... revolving, winding, packaging

Especially in the field of packaging machines individual solutions are quite common. Each application has its specific requirements.

Franke antifriction bearings give you the freedom of design that you need.

The mounting space is extremely small and the cost-performance-ratio is the best you can get.



Compact and economical solution for printing machines. The Franke antifriction bearings rotate the printing rolls with 60 rpm. To keep the printing colour outside the bearing is equipped with a special seal.

(Foto HTC)



Franke antifriction bearing in a winding machine for glass fibers. The heavy glass fiber rolls can be moved in and out of the machine by a rotational movement.

(Foto Dietze + Schell)



A vacuum filling station is equipped with a Franke antifriction bearing. Due to the small mounting space and the huge free center the food material can be moved right through the middle of the bearing.

(Foto Sauter)



Franke antifriction bearings in a packaging machine for wooden boards. Rotating around the boards the bearing moves the foil to wrap it around the horizontally moving boards.

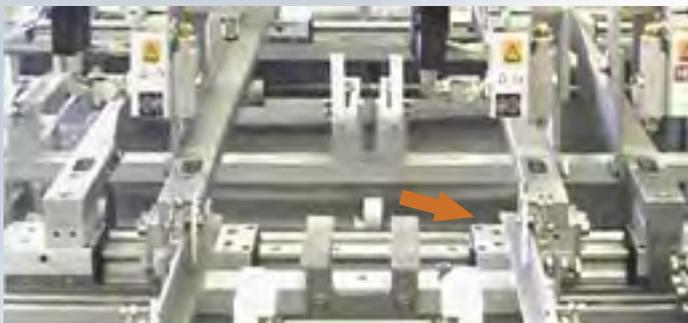
(Foto HTC)



Franke roller guide: ... the convincing solution

Here you can find a selection of application examples for Franke aluminium roller guides.

In all cases we succeeded to create the best possible solution together with our customers.



Franke aluminium roller guide in a packaging line. The cassettes move fast, clean and silently. No maintenance or re-lubrication during the whole lifetime.
(Foto Franta)



Franke aluminium roller guide in a bag-packaging machine. The aluminium roller guide works fast and reliable all around the clock. To increase the lifetime the customer uses special cassettes with lubrication nipples to re-lubricate the rollers from time to time.

(Foto Volpak)



Franke aluminium roller guide in a cutting machine for packing foil. The usage of pairs of single rails together with pairs of roller shoes enables you to design your own guide width. The roller shoes make the construction compact and space saving.
(Foto HTC)



Franke aluminium roller guides in a machine for plastic cup production. The aluminium guide systems harmonizes perfectly with the aluminium mating structure. Especially with changes in temperature or with high pressure steam cleaning.

(Foto KEA)

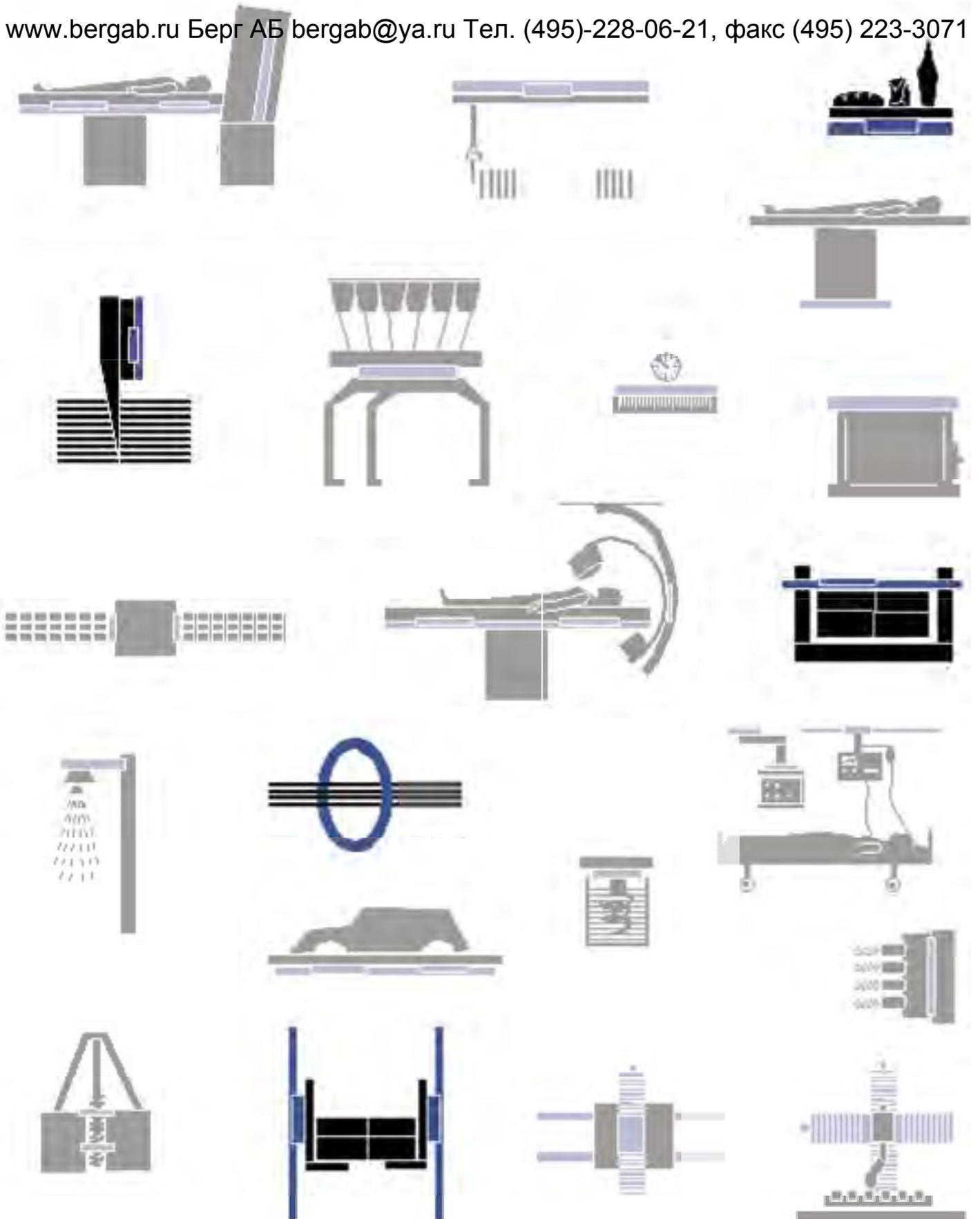


Franke aluminium roller guides move at high speed. In this application our customer uses a non-corrosive version to meet the requirements in a very aggressive environment (salt, sugar, high pressure cleaning). Strokes up to 2100mm are being used.
(Foto Messpack)



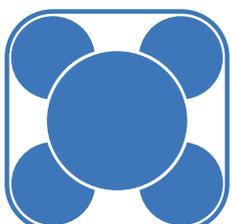
Franke aluminium roller guides in packaging machine for mattresses. Beside the moving qualities of the Franke aluminium roller guide the customer was very fond of the clean construction. Due to the sealed rollers the mattresses can be prevented from grease.

(Foto Fillmatic)



Laser cutting

Competence
for moving



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