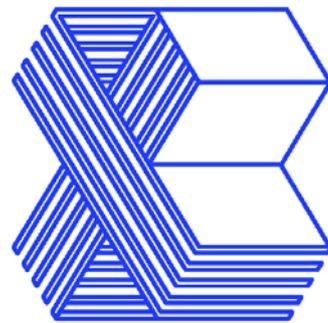


# **RANCAN Srl**

Compensati tecnologici

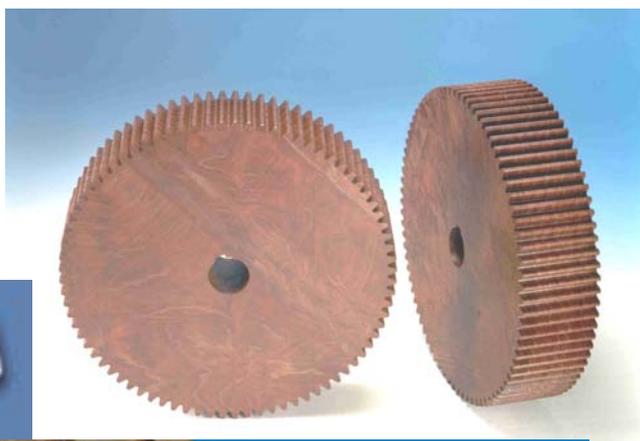


# **Ranprex®**



## **RANPREX®**

**for the  
mechanical  
industry**



**Quality and experience at your service**

## WHAT IS RANPREX®

Veneers of beech wood impregnated with special resins and pressed under high atmospheres and heat.

Its most important characteristics are:

- High resistance to work, shocks and exfoliation;
- Low specific weight;
- Low percentage of friction and wear;
- High self lubricating capacity;
- Great resistance to temperatures (high and low);
- Excellent electric insulator;
- Excellent thermal insulator;
- Low thermal conductivity;
- Great dimensional stability.

## TYOLOGY

The various types of RANPREX® are different because of their:

- Thickness of veneers;
- Quantity and type of resin;
- Fiber crossing.

A different level of resistance, and thus a different type of use correspond to the different orientation of fibers among the veneers.

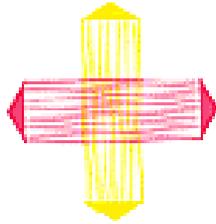


FIBERS ARRANGED IN LONGITUDINAL WAY



**ML L**

FIBERS CROSSED AT 90°



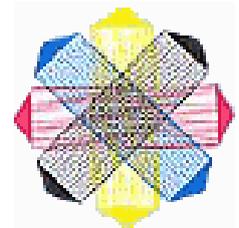
**ML**

FIBERS ARRANGED IN LONGITUDINAL WAY WITH FIBERS CROSSED AT 45°



**ML R**

FIBERS CROSSED AT 45°



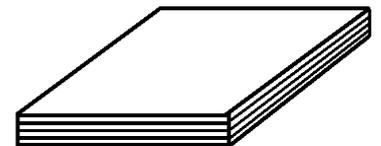
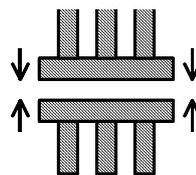
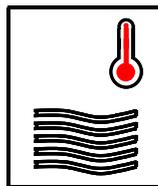
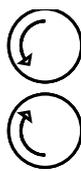
**ML S**

The careful selection of raw materials together with a constant control during all processing phases assure a high quality standard.

Ranprex® is manufactured in standard plates: 2000 x 1000 and 2500 x 1220 thickness 5 ÷ 120 mm: Other sizes and thickness available upon request.

## DRYING PROCESS

**RANPREX®**



## USE

RANPREX® must be dry-worked, with no use of cooling liquids. In the processing of disks, rings, bushings, etc. the rake angle of the tool must be similar to the one in use for the processing of bronze. RANPREX® is cut with normal machines for wood and metal processing, with the highest cutting speed and a quite high advancement speed, provided however that the thickness of removed material is limited.

## RANPREX® for the mechanical industry

In the mechanical industry in general, RANPREX® has found manifold applications as necessary part of different machines. It is used for the construction of: sliding blocks, pinions, cams and bushes, antinoise gears, bushings, slideways, working tables for tooling machines and molds for carbon fiber molding, and many other diverse applications.



Rolling mill pushers.



Expanding jaws.



Antinoise gears.



Chain slideway for packaging plants.

RANPREX®  
for the mechanical industry



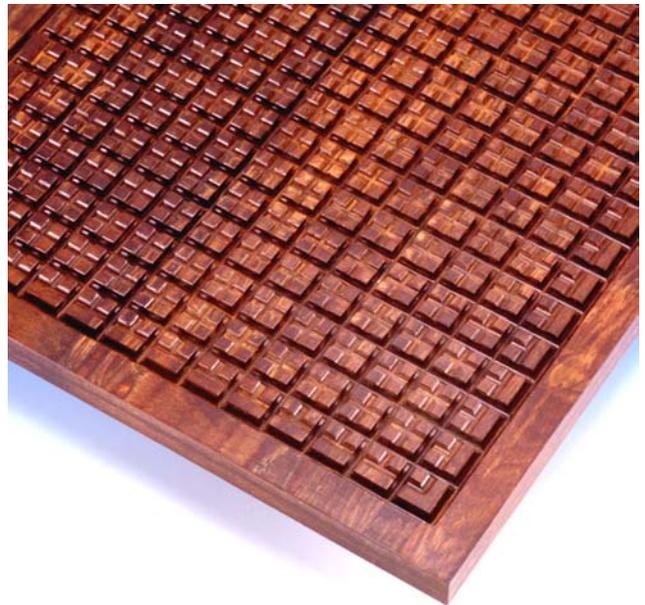
Sliding blocks and bushings for the agricultural industry.



Parts for wood processing machines.



Equipment for magnetic resonance machines.



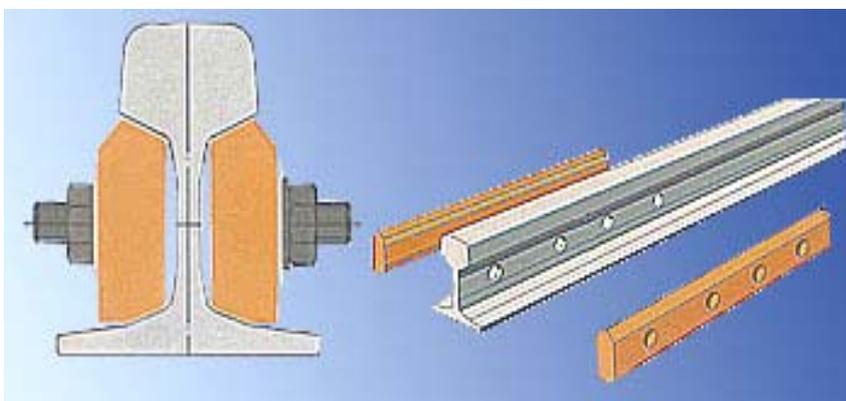
Tables for CNC pantographs for wood processing machines.

## RANPREX® for to the Railway Industry

The insulating joints in RANPREX® are used for railway networks with low traffic and speed, as well as with medium-low loads. The use of joints in RANPREX® reduces significantly the problems of maintenance, replacement and variation of the networks themselves. Durability and stability are obtained using a compact material, manufactured with beech wood sheets of 1 mm before pressing, longitudinally arranged. RANPREX® ML 10L is used to manufacture insulating joints complying with the Specifications of the Ferrovie dello Stato (Italian State Railways).



Insulating joints



Assembling diagram



Insulating joints



Rancan S.r.l. located in Montecchio Maggiore, Vicenza, Italy occupies an area of 10,000 m<sup>2</sup> – 5,000 of which are covered.

Since 1961, it has been producing Ranprex®, high-technology plywood in sheets, which is then transformed into finished components for the various industry sectors, upon customers' request and design. It employs young and skilled personnel assuring maximum efficiency.

The company uses a great set of CNC machines and with the help of the most modern technologies, it researches and designs new materials to meet any requirement. Our firm guarantees a long and profitable relationship proved by the seriousness of its trademark, as well as its service efficiency and quality, able to satisfy an increasing number of customers, as well as the most exacting customership.

Rancan S.r.l. has obtained numerous certifications, such as the ISO 9001:2000 certification and the RINA type approval for supports to be used in the naval field.



Application fields of Ranprex®: electric, iron and steel, mechanical, cryogenic, agricultural, packaging, textile, naval and medical industry, railways and sport.

## Rancan Srl

Via della Tecnica, 9 Z.I.  
36075 Montecchio Maggiore  
Vicenza Italy

Tel. +39 0444 499234  
Fax. +39 0444 499311

e-mail: [rancan@rancan.com](mailto:rancan@rancan.com)  
[http:// www.rancan.com](http://www.rancan.com)



REMARKS: