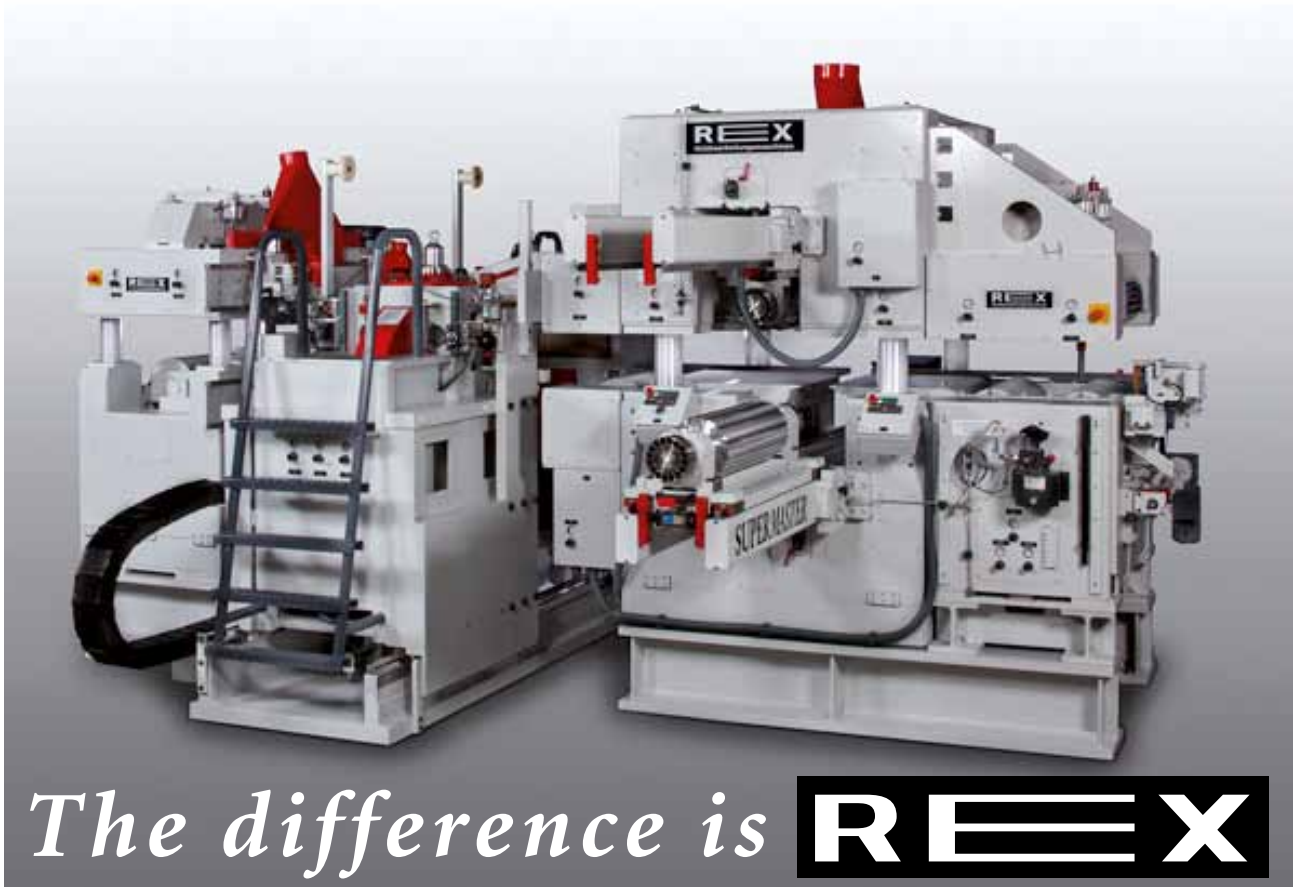


# **SUPERMASTER**

*The high performance planer of REX*



*The difference is* **REX**

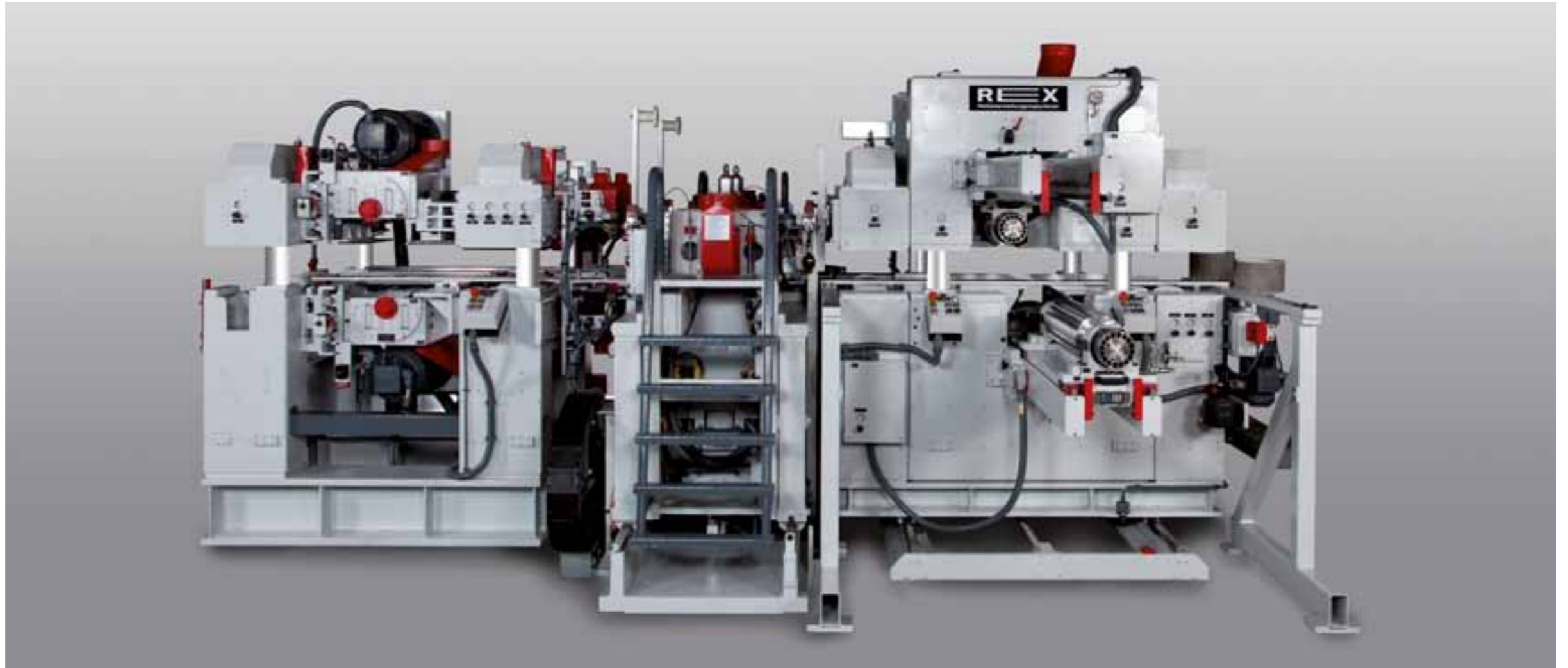
In developing the **SUPERMASTER** series the main attention was paid to the following points:

- Productivity-enhancing excellent performance potential
- Perfect quality of the planed surfaces
- Highest precision of the machine and the finished product
- Long lifetime
- Perfect solution for every application (profiling spindles, sawing spindles, etc.)
- Easy and safe operation
- Special solutions for easy integration into new and existing installations
- This machine series is designed for multi-shift operation and long-term stress
- High availability
- Free selectable operating and fence side

Machines of the **SUPERMASTER** series are the technical highlight for the production of high-quality material, whether solid structure timber (KVH), Duo / Trio Beams or glue lam (BSH). Even large cross-sections, for example gluelam can be manufactured with high speed with an unprecedented perfection.

Equipment such as REX exchange cutter blocks horizontally and vertically, Siemens S7 control, horizontal and vertical oscillation, lateral mobility of the working shafts behind the guiding fence, direct-driven working shafts and chamfering units are standard.

On request the machine can be designed with parallel movement. This ensures not only a uniform using of the complete working width but also a uniform using of the tables and pressure units by the production of smaller dimensions is ensured.



**SUPERMASTER 10/41 -WW-** for the production of high quality KVH, Duo/Trio Lam, BSH and profiling boards with high speed. Machine shown with profiling and sawing spindles.

**Horizontal profiling and sawing spindles top and bottom**

The profiling spindles can be used for profiling and sawing works from top and bottom. Length between 310 mm and 630 mm are possible. The vertical and horizontal adjustment can be done manually or by the Siemens Step 7 control.



**Chamfering unit**

Separately driven chamfering units give the work pieces a perfect chamfer or rounding.

Machines of the **SUPERMASTER** series are also used in the production of CLT and are also in this production range technically and qualitatively unique.

The variety of equipment makes it possible to adapt the machine perfectly to the needs of your plant.

Spindle assembly, spindle number and different tool systems are just a few examples of the many possibilities.

**SUPERMASTER 10/86 -WW-** for the production of high quality KVH, Duo/Trio Lam, BSH and profiling boards with high speed. Machine shown with 2nd vertical planning and profiling unit.



**Second vertical unit for planning and profiling**

- Tool diam. Up to 340mm
- Profiling depth up to 60 mm
- Possibility to move the vertical units for tool changing and adjusting works completely out of the machine. Throughout this a fast and easy setting of the tools is possible.



The flexibility of **REX** and **SUPERMASTER** series can be particularly well illustrate on the machine shown here. A special design starts from the engineering up to the control of the machine. The diversity of control makes it possible to adapt the machine perfectly not only meet the needs of your plant but also allows it to meet your individual wishes.



**SUPERMASTER 8/110 -WW-** for the production of high quality KVH, Duo/Trio Lam, BSH and profiling boards with high speed. Machine shown with 2nd and 3rd vertical planning and profiling unit.



**Lifting spindles**

The **REX** lifting spindles are unique in planing and profiling machines. They allow you to abolish the changing times of tools. Simply clamp several tools over each other and now you can use the REX Comfort control for selecting the profile you would like to produce. The rest will be done by the machine. It positions the tool in the height, in width, in the circle and selects the correct cutting speed. Everything you need to do is bring the work piece to the machine.

**Oszillation to the working shafts**

Working shafts are direct driven and the turning speed can be adjusted after your needs.

- Horizontal oszillation about 50 mm
- Tool diam. from 220 mm up to 250 mm adjustable
- Remote controlled jointers
- Reducing of the down times by easy and fast tool change



## SUPERMASTER -WW-

The advantage of the exchangeable cutter blocks, no matter if horizontal or vertical, is not only the fast tool change. More important is the outstanding surface result you get from this tool system. This is because the planing tool will never be separated from the bearings.

Furthermore the bearing houses are the same in the machine then on the **REX** round running precision grinding machine SWK. By this an absolutely minimum of tolerances can be ensured.

The best machine is only as good as the tool that is used. Only with a perfect tool you can get a perfect surface of a planed work piece. Because of this we offer our own tool system, the exchangeable cutter blocks to you.



### Horizontal exchangeable cutter blocks

The lower and upper horizontal exchangeable cutter blocks are direct driven. This means without a belt. For tool changing they can be pulled out of the machine easily. The cutter blocks will be changed together with the bearing houses.

Changing devices ensure an easy changing even with large tools. The horizontal exchangeable cutter blocks are equipped on both sides with a pulley so every block can be used above and below.



### Vertical exchangeable cutter blocks

The right and left vertical exchangeable cutter block will be changed completely including the bearing houses.

For the perfect planing result these spindles are also driven directly. No belt drive can have influence on the planing result.

No belt drive can destroy the bearings. The perfect planing result can even become better by the adjustable turning speed of these shafts. A perfect solution.

But not enough. The vertical exchangeable cutter blocks are equipped with oscillation. Again **REX** knows what is needed in the market:

- Oscillation of about 250 mm
- Tool diam. up to 340 mm
- Remote controlled jointing devices
- Reducing of the tool changing time because it is easy.



**Heavy vertical infeed unit**

Heavy feeding unit with two large vertical feed rollers for bringing the work pieces into the planer. Width adjustment synchronously with the vertical working shafts of the machine.

**Heavy feeding system**

Each feeding unit has large feed rollers and a separate frequency-controlled drive. All horizontal feed rollers are driven by shock-absorbing Cardan shafts.

The horizontal feed rollers basically go over the entire working width so the work pieces are always perfectly guided.

All machines of the **SUPERMASTER** series are suitable due to this strong feed system for both wet and dry wood.



**REX machine control**

REX has the perfect command center for your needs.

The controls are completely configured and programmed by REX after the customers needs. Thus, the customer has with his REX partner immediately the expert to contact competent and expert in the control area.



Energy is precious and expensive.

**For this reason, energy efficiency is standard on REX.**

The careful and responsible management of resources was consistently implemented in the **SUPERMASTER** series for example through the use of the Siemens Efficient Technology.

# Technical data of the REX SUPERMASTER series

<b>Working width:</b>	up to 1.430 mm
<b>Working height:</b>	up to 500 mm
<b>Feeding speed:</b>	up to 350 m/min
<b>Control:</b>	Siemens
<b>Spindle specification:</b>	individual after your needs
<b>Areas of application:</b>	pre planning lamella planning beam planning production of solid structure timber (KVH) production of gluelam production of DUO/TRIO Lam production of profiling boards planning of CLT

Your special area of use with your **SUPERMASTER** designed for you