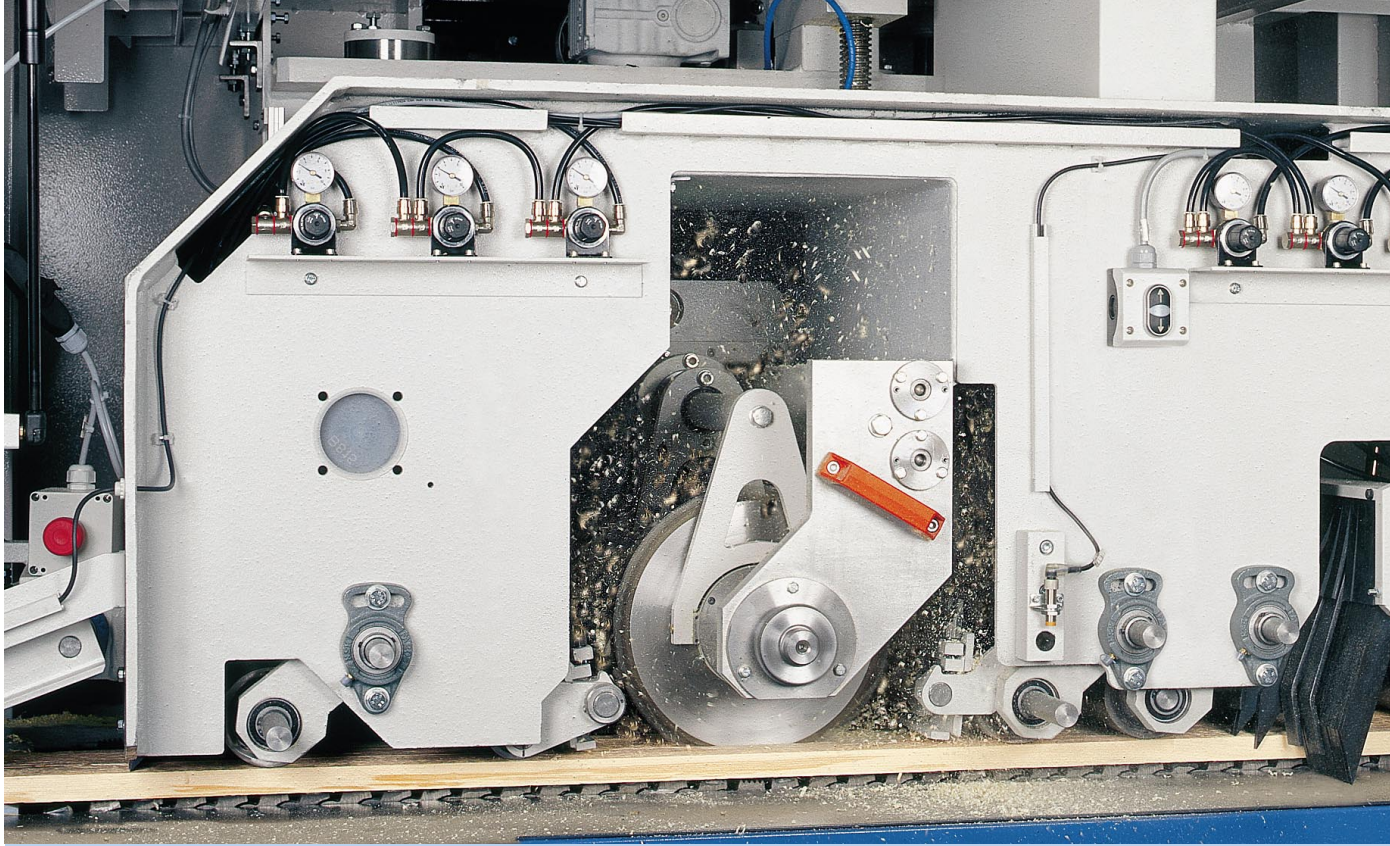


**Rip saws for the woodworking industry**



# ProfiRip KR 450/450 M

**Especially robust and efficient. Ripping of solid timber with higher timber yield, productivity and profitability.**



# ProfiRip KR 450/450 M – for supreme requirements

## Top quality from Raimann

As a result of our membership in the Weinig Group, you get everything from a single supplier: from cutting to gluing. Raimann stands for operator-friendly efficient rip saws for economic woodworking. Two especially efficient examples are the ProfiRip KR 450 and the ProfiRip KR 450 M with movable saw blades -

extremely strong optimising saws which can cope with anything! Perfectly suited for the production of strips, as a ripping unit for glue panels or for cutting out defects. Ideal for all workshops which are involved in interior decorating, the furniture industry, casket production and their suppliers.

## Less waste - more profit

With the movable saw blades, you can simply adjust your rip saw to the characteristics of the material. In this way you can get the best out of your wood and exploit your work pieces.

## Flexible

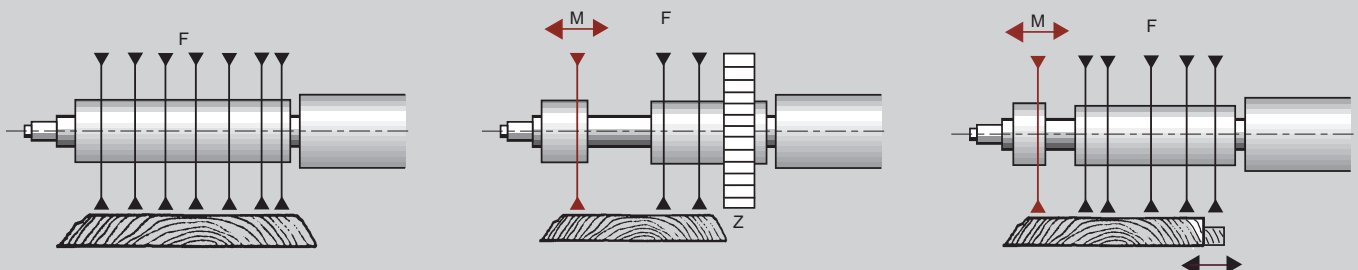
### Blade adjustment For the most efficient way to cut wood

## No more waste

The saw blade adjustment ensures that you use your material sensibly. With up to three movable saw blades, you are particularly flexible. You can cut around defects in the workpiece such as knot holes or splits elegantly. You can easily avoid remnants by optimal saw guiding. In this way you can reduce the waste to a minimum, decrease your material costs and increase your profits.



## Gang rip version / Cutting options with movable cutter heads







**More power - less production costs.** With up to 110 kW (150 HP) motor capacity and cutting heights of up to 140 mm/5<sup>1/2</sup>" , the two machines are in a league of their own and guarantee the highest level of stability and productivity, even with extreme loads.

**VoiceCommande**

Voice commands allow the operator to verbally position the movable blades in the optimizing saw. This means his hands are free to manipulate the board, fatigue is reduced, so he can make the best possible rip decisions. The results: higher yield and output.

**Noticeable customer benefits**

The high cutting quality facilitates direct gluing after cutting, thereby saving subsequent stages in the processing.

**The counter bearing** of the saw arbor supports the front end of the arbor and guarantees a precision cut also at highest requirements.

**Profit oriented production optimisation**

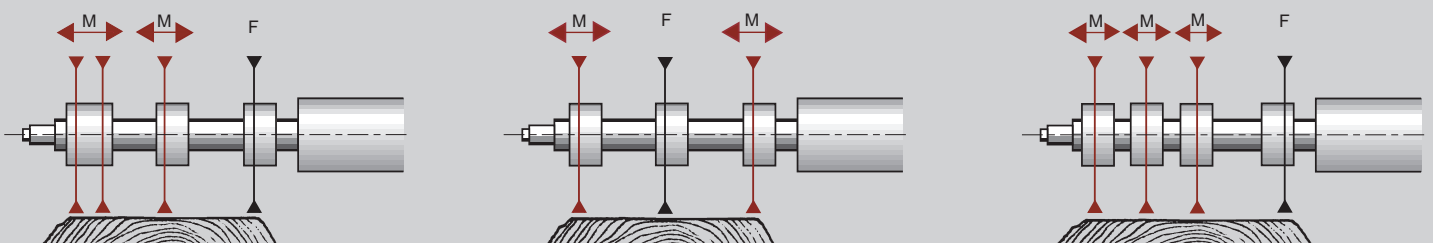
A newly developed software module which "thinks" of profits. It calculates the best type of cut to achieve the best price from a specific board quality. Because the blades are set automatically, the machine has a considerably better degree of use.

**Benefits without competition**

Apart from the robust blade adjusting system using telescope setting which allows positioning speeds of more than 300 mm/12" per second, the ProfiRip KR 450 M offers even more intelligent technology for extremely economical cutting of solid wood.

*These graphics show just a few out of many possibilities of using the ProfiRip KR 450/450 M for specific applications.*

- F = fixed cutter head*
- M = movable cutter head*
- A = adjustable fence*
- Z = hogging blade*



# ProfiRip KR 450/ 450 M – everything is in its favour

## Everything under control

The required production data such as cubic meters/shift (bft./shift), running meters, fixed dimensions etc., are recorded and can be printed out, making the production process highly transparent.

## Varied uses

In almost no time, the ProfiRip KR 450 M can be re-set from an optimizing saw with movable saw blades to a pure gang-rip saw. In addition, it can be combined with fixed and movable saw blades.

## Red light points the way

One fixed and up to three moving lasers form a rational addition to the movable saw blades. A red laser beam on the board shows you the programmed cutting line and serves as an optical "extension" of the covered saw blade. The cutting direction can be corrected just as easily and as desired. When the line corresponds to your requirements the ripping process can be started.

## Maximat

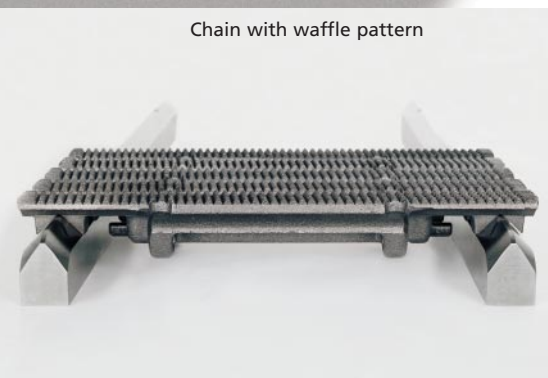
During the ripping process, different hardness in the wood generates different sound waves. Maximat is a patented system that converts the sound waves to electronic signals, which regulate the feed speed. The benefits of Maximat are that you can use thinner saw blades, improve yield and reduce costs considerably.



**"Mastercut 1-3"** for computer-aided ripping with machines with blade adjustment. Absolute dimensions or stored fixed dimensions can be processed as required.



**Extended transport chain** is particularly operator-friendly and accelerates the feeding: just put the board on the chain and it is automatically transported into the machine.



Chain with waffle pattern

**Prismatic guides on both sides** of the transport chain always ensure an exact parallel cut for the entire life of the rip saw and thus ensure higher timber yield and highest cutting precision.



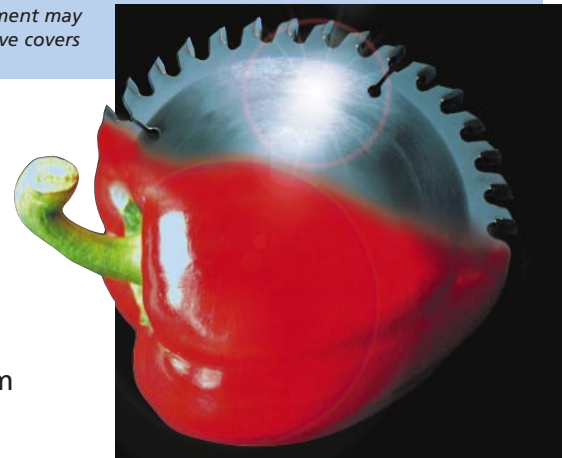
## Benefits of the ProfiRip KR 450/450 M at a glance

- Ideal for a capacity range of up to 140 mm/5 1/2" cutting height
- Transport chain with prismatic guides on both sides
- Extended transport chain, therefore easy to use
- Closed transport chain prevents chips from clogging up the machine
- Blade adjustment: up to 3 movable cutter heads
- Cutting controlled by sound waves
- VoiceCommande for optimizing saw (with movable cutter heads)
- Spikes for better grip of wet, bent and short material
- Can be integrated in complete lines

## Technical Data

	KR 450	KR 450 M
Max. cutting width	450 mm 17 3/4"	450 mm 17 3/4"
Max. outlet width	800 mm 31 1/2"	800 mm 31 1/2"
Max. cutting height		
- without pressure board	140 mm 5 1/2"	125 mm 4 3/4"
- with pressure board	125 mm 4 3/4"	110 mm 4 1/3"
Min. timber length		
- standard version	450 mm 17 3/4"	500 mm 19 1/2"
- special version (optional)	300 mm/12"	370 mm/14 1/2"
	with max. cutting height of 75 mm/3"	
Feed speed	up to 80 m/min 262'/min	up to 80 m/min 262'/min
Main motor capacity	up to 110 kW 150 HP	up to 110 kW 150 HP
Weight	4400 kg/10000 lb	4500 kg/10250 lb
Dimensions L x W x H	2.2 x 2.5 x 2 m 7' x 8 1/4' x 6 1/2'	2.2 x 2.5 x 2 m 7' x 8 1/4' x 6 1/2'

*We reserve the right to make technical changes. Statements and pictures in this brochure may contain items which are not included in the standard scope of supply. The use of optional equipment may influence the technical data. Some protective covers have been removed for photographing.*



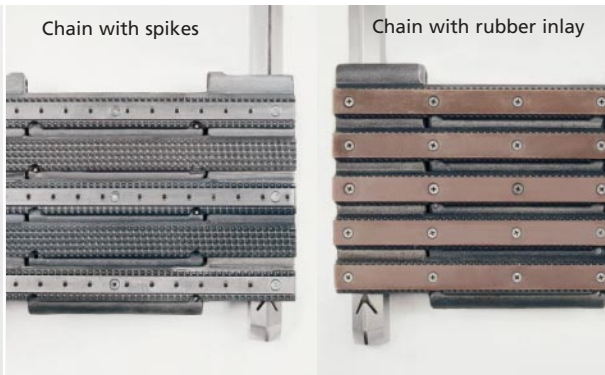
## Service which impresses

At Raimann, approx. 15,000 spare parts are stocked permanently to be able to respond quickly to customers' needs. Orders placed before noon are shipped on the same day, otherwise within 24 hours. We can

be contacted around the clock and offer comprehensive advice about complete solutions. As a Raimann customer, you will profit from the services and strengths of the entire Weing Group.

Chain with spikes

Chain with rubber inlay



**Chain versions:** depending on the quality of the wood and the cutting requirements, you can select the optimum chain surface: waffle pattern, completely or partially with spikes or rubber inlay.

**Driven outfeed roller:** This guarantees perfect outfeed of the entire cut material from the machine and is necessary for downstream mechanisations.

**Closed transport chain:** This is how your production process works without interruptions. It prevents chips or wood dust from clogging up the machine or falling down between the chain links.

# Quality and efficiency with system

## Raimann systems for your success

The markets have changed. Intelligent system solutions are necessary so that you can keep up with the competition. That is why you can link our rip saws with other high quality products from the Weinig Group. Just as with our first-class rip saws, with Raimann system solutions you are ideally equipped and can meet all the needs of the market profitably.

## Economic systems around your machine

Turn your ProfiRip KR 450 or 450 M into a high performance system. Our excellent system components facilitate long-term performance at a high level, save staff and increase product quality. All components are perfectly adjusted to each other and can be used in any combination.

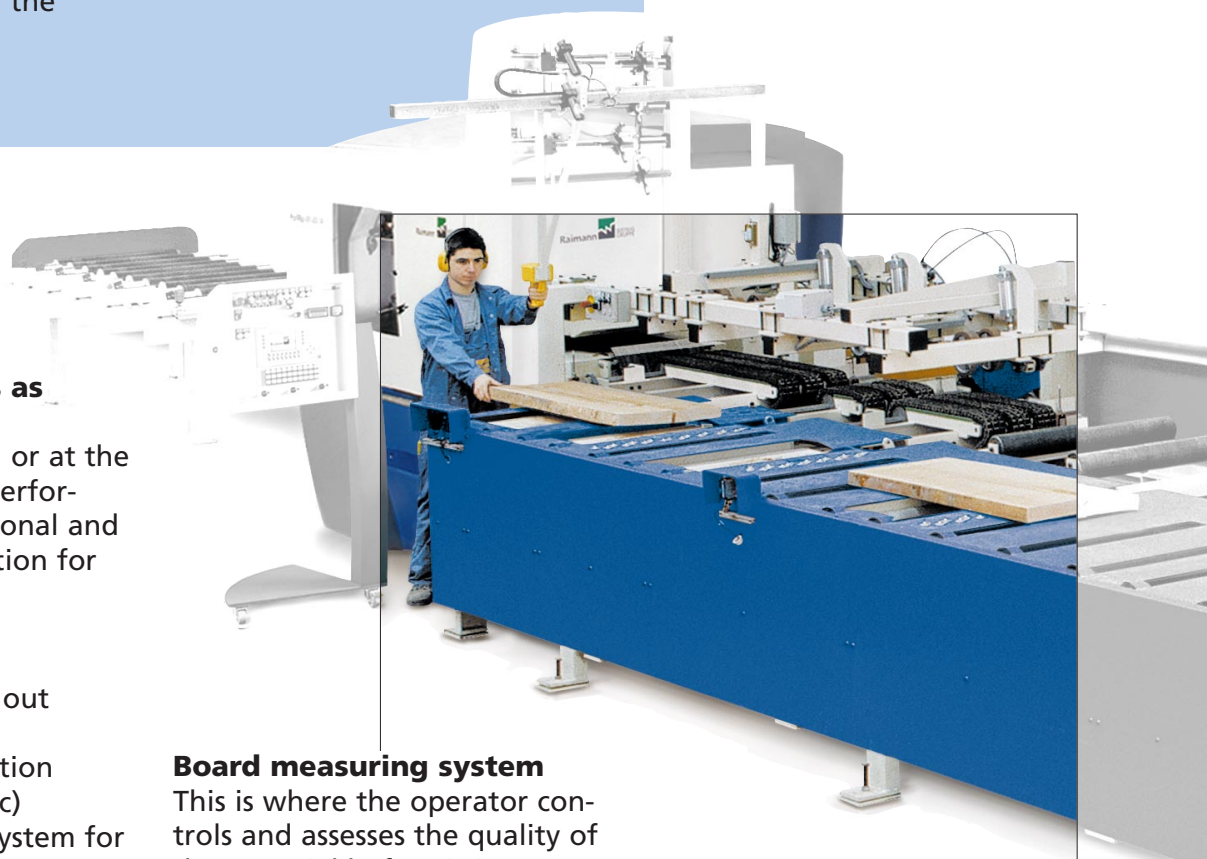
## System components as selected

Whether at the infeed or at the outfeed - we offer a performance enhancing, rational and operator-friendly solution for every situation:

- Depiling machines
- Devices for thinning out after depiling
- Board measuring station (manual or electronic)
- Splinter separating system for unedged boards or for separating cut material from material to be re-cut
- Buffer for greater performance of the machine and easier quality control
- Cross and buffer conveyor
- Cross-cut saws (e.g. MaxiCut 400 or 700) for pre-cutting
- Transfer systems to downstream machines
- Stacking systems for the cut material

## Board measuring system

This is where the operator controls and assesses the quality of the material before it is processed. This procedure allows pre-sorting and guarantees optimum results. We offer devices for manual and electronic quality control.



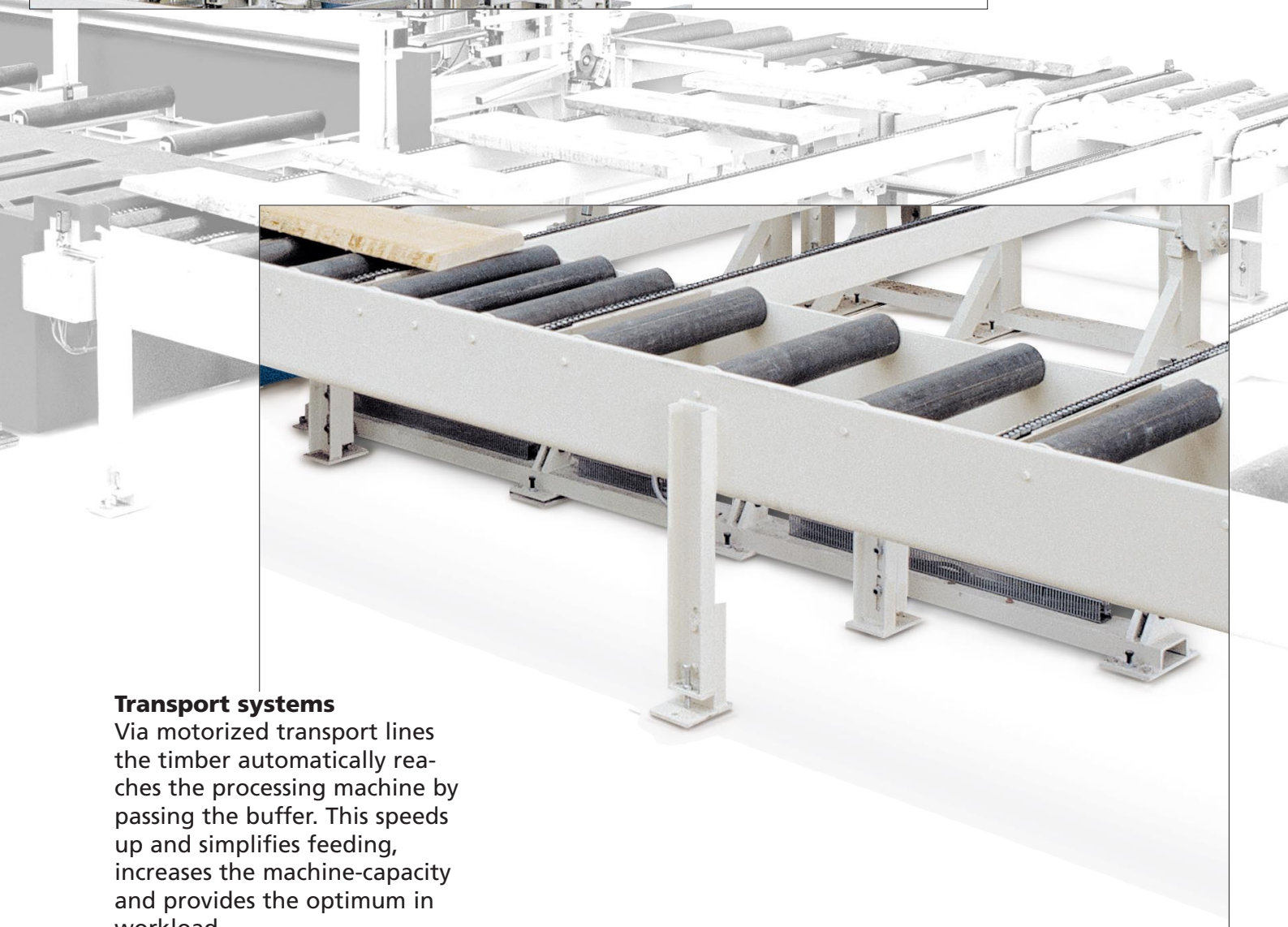
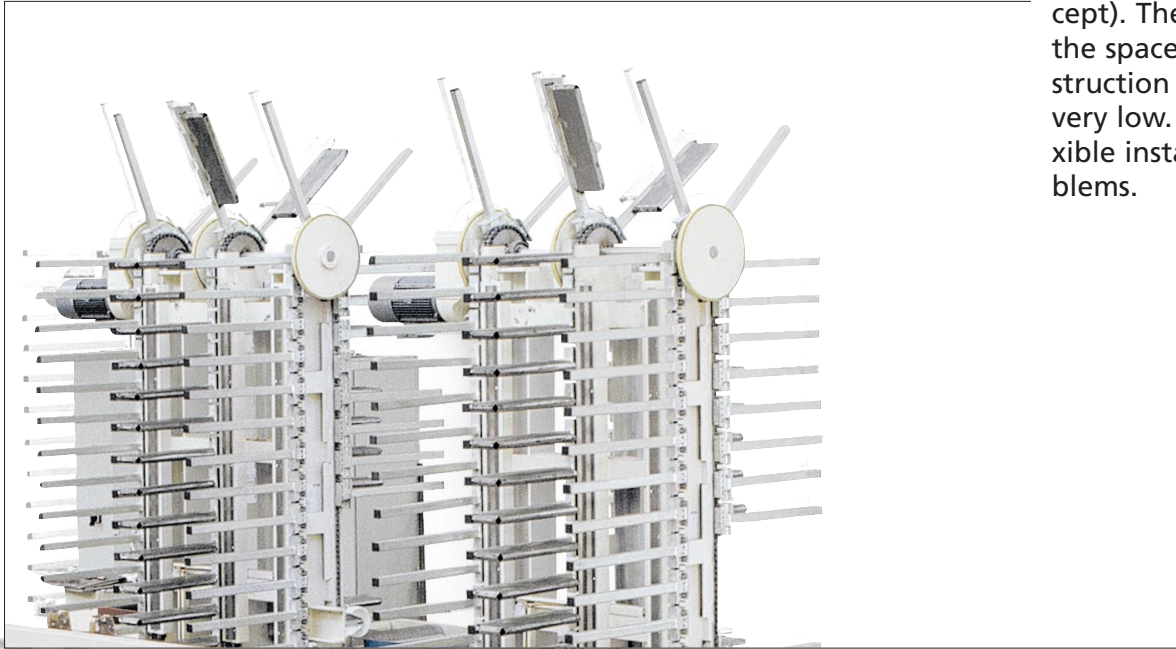
**Weinig offers more!**





### Stacking system

Our stacking system is used for the automated temporary storage of workpieces and uses an endless chain (paternoster concept). The main benefit: due to the space-saving tower-construction space-requirement is very low. That enables a flexible installation without problems.



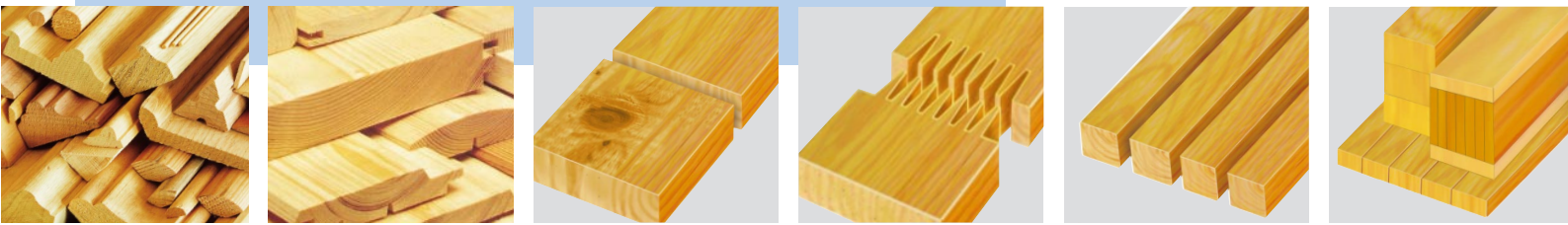
### Transport systems

Via motorized transport lines the timber automatically reaches the processing machine by passing the buffer. This speeds up and simplifies feeding, increases the machine-capacity and provides the optimum in workload.

# The Weinig Group:

## Unparalleled expertise in solid wood machining

- **Weinig:** World market leader for automatic moulder
- **Waco:** The number one for high-speed planers and moulders
- **Grecon:** High-capacity finger jointing lines
- **Dimter:** The specialist for optimizing cross-cut saws and laminating presses
- **Raimann:** Intelligent ripping solutions
- **Concept:** The experts when it comes to turnkey projects



## More information about the Raimann ProfiRip KR 450/450 M: Fax +49 (0) 761/13033-17

- Please send me detailed information
- Please arrange a personal consultation

### I am interested in

- The entire range of the Weinig Group
- The Weinig range
- The Waco range
- The Grecon range
- The Dimter range
- The Raimann range
- The Concept range  
(please mark with "x")

\_\_\_\_\_  
Name

\_\_\_\_\_  
Company

\_\_\_\_\_  
Department/Position

\_\_\_\_\_  
Street/P.O.Box

\_\_\_\_\_  
ZIP Code/City/Country

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Telefax

\_\_\_\_\_  
E-Mail

**Weinig offers more!**

# Raimann



### Raimann Holzoptimierung GmbH & Co.KG

Weißerlenstr. 11, D-79108 Freiburg  
Tel. +49 (0) 761/13033-0  
Fax +49 (0) 761/13033-17  
E-Mail [info@raimann.com](mailto:info@raimann.com)  
Internet [www.weinig.com](http://www.weinig.com)

### Michael Weinig AG

Weinigstraße 2/4  
D-97941 Tauberbischofsheim  
Tel. +49 (0) 9341/86-0  
Fax +49 (0) 9341/70 80  
E-Mail [info@weinig.de](mailto:info@weinig.de)  
Internet [www.weinig.com](http://www.weinig.com)