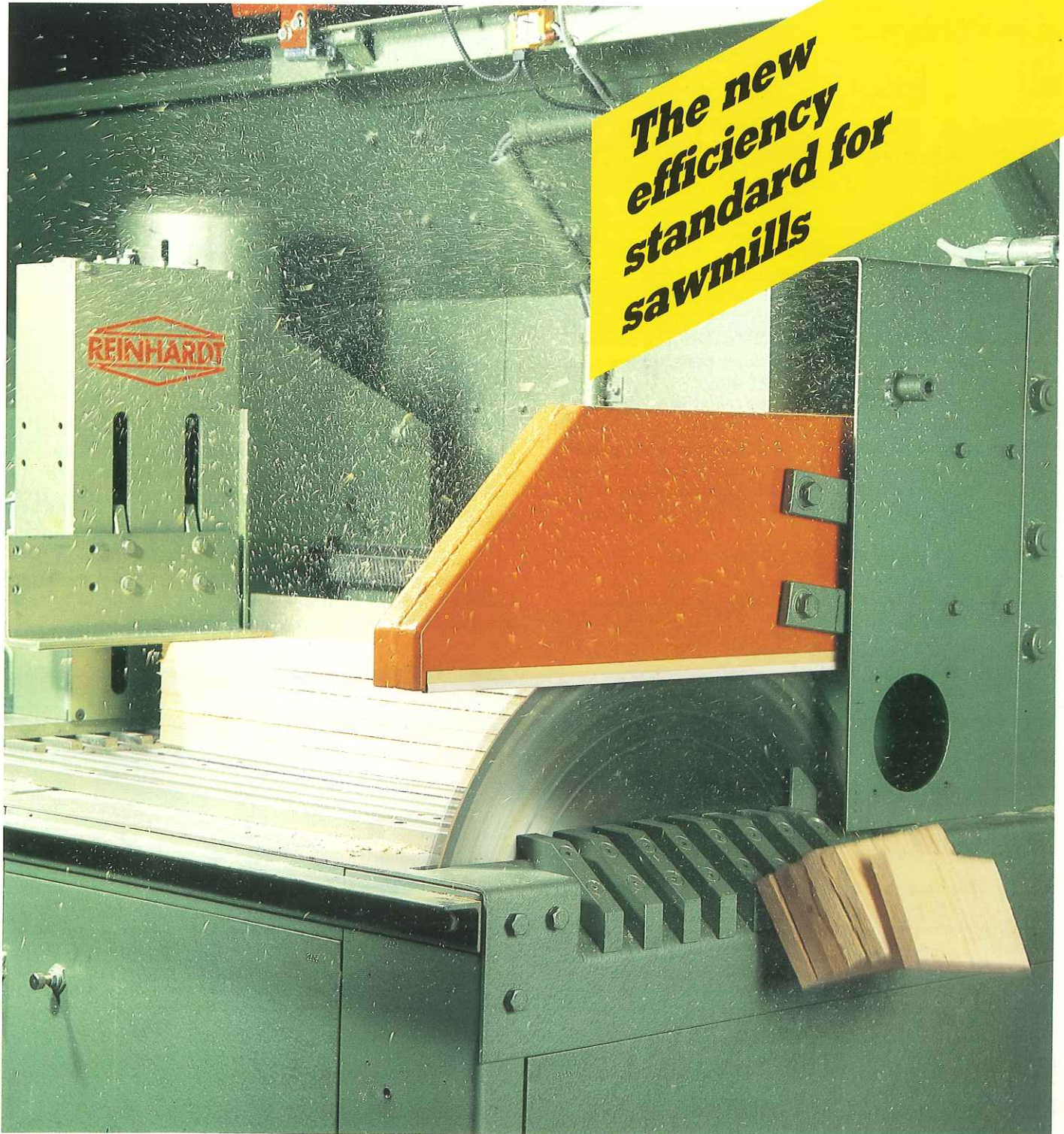




# QUICK STOP

**Electronic circular cross-cut saw with high precision and a large capacity**



*The new efficiency standard for sawmills*

## QUICK STOP at one glance

A high performing, universally applicable cross-cut installation is now available for small and medium-sized enterprises in the shape of QUICK STOP with the new electronic limit stop system.

### The advantages of QUICK STOP:

- high capacity
- high feeder speed
- high precision +/- 0.5 mm
- highly efficient work place
- universal control both for single piece and series manufacture
- easy handling
- sturdy construction designed for rough every-day use
- available in a lefthand and a right.hand version
- good value for money

## For whom is QUICK STOP suited?

### Sawmills, wood dealers

In many wood-working enterprises cutting is still done conventionally with out-of-date, labor-intensive machines. The operator presses the work piece against the limit stop, triggers the sawing process, lifts the cut work piece onto a pallet, presses the next work piece against the limit stop, etc....

This is where QUICK STOP offers considerable capacity increase and rationalization. The manual work left to the operator until now (putting the work piece on the roller bench, pressing it against the limit stop, triggering the sawing process, disposing of the rest piece) is now done by QUICK STOP with far greater speed.

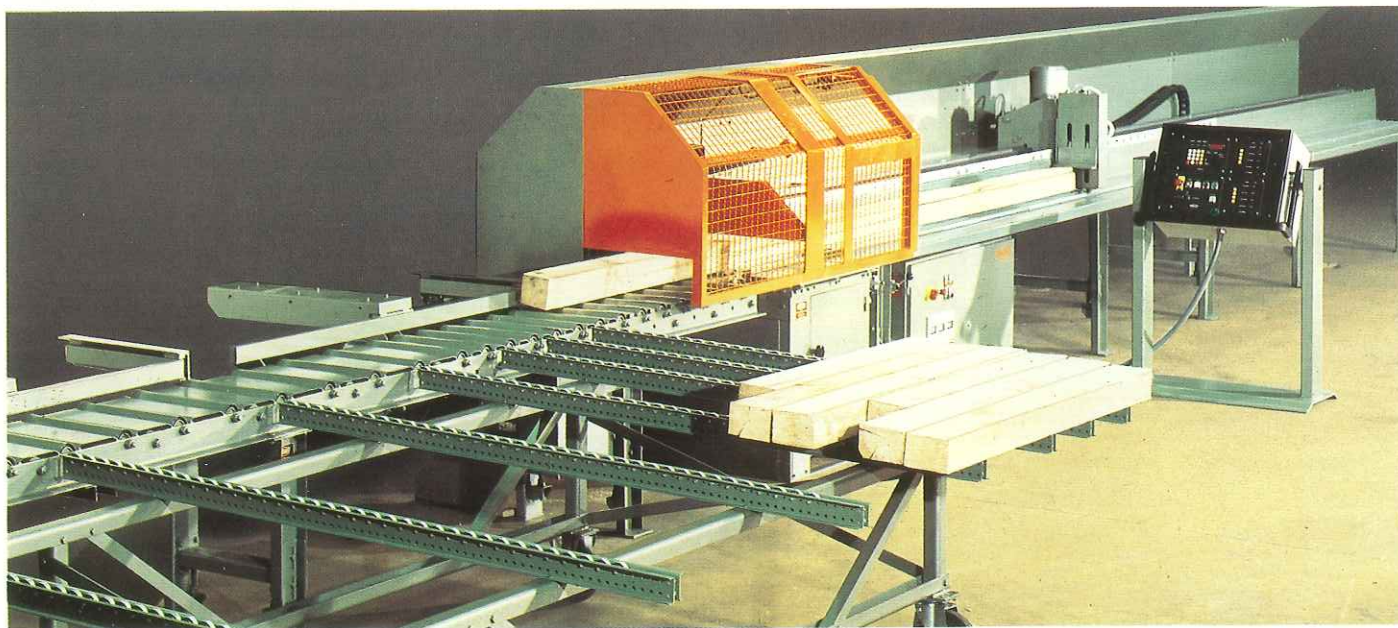
This will enable you

- to take on larger orders
- to work faster and thus have more time for other parts of your work

### Manufacturers of cases and pallets, packing industry

QUICK STOP is particularly well suited for all branches of trade where the dimensions required change frequently while absolute precision remains essential. In the manufacture of cases and pallets it is important to be able to change measures quickly and to supplement basic measures selected in anticipation of future orders. Deviation in length of more than 1 mm are not tolerable, or undesirable. In short: QUICK STOP provides you with the ideal means for carrying out special orders economically and precisely.

QUICK QS 160S with 2 pneumatic exit slide units and a moveable roller conveyor



## How is QUICK STOP controlled?

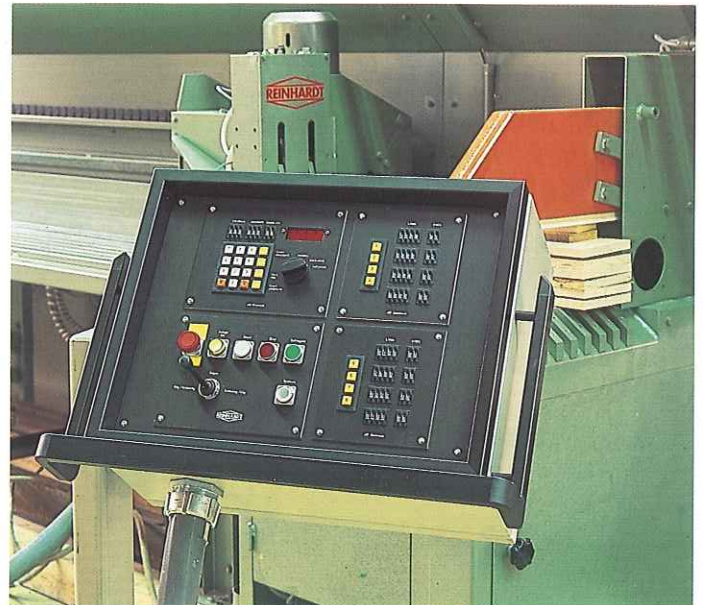
The operator's panel is available in two versions:

- 1) The operator's panel is accommodated in a stable metal frame which can be set up anywhere in front of the circular cross-cut saw on a level underground.
- 2) If conditions are cramped, the operator's panel, which contains the control unit, can be hung up on a swivelling boom (special equipment).

The QUICK STOP control system originates from the electronic cross-cut installation COMPACT 2000, where it has proved a great success over the past years thanks to its clear arrangement and its simplicity in operating. The control system is just as well suited for cutting single work pieces as it is for series manufacture. The specified values can be called up individually or all together via a program. The standard version provides for an input of up to 8 constant length values. Push buttons make for a quick input and allow the values to be changed freely at any time. All length data are arranged clearly, enabling the operator to call up the desired length value without delay.

Odd values which are not stored in the length data can be input via the keyboard. The input value is shown clearly on a display and can be repeated as desired. A control switch is provided for processing work pieces by visual estimate, e.g. when cutting out flaws.

All set parameters can be directly surveyed by the operator.



## Operating modes

One of the following operating modes can be selected for processing; changing operating modes during processing is possible.

### 1. Individual cutting

Notching: pre-programmed value or via control stick

Length values: pre-programmed length values, values to be entered via keyboard or handling via control stick.

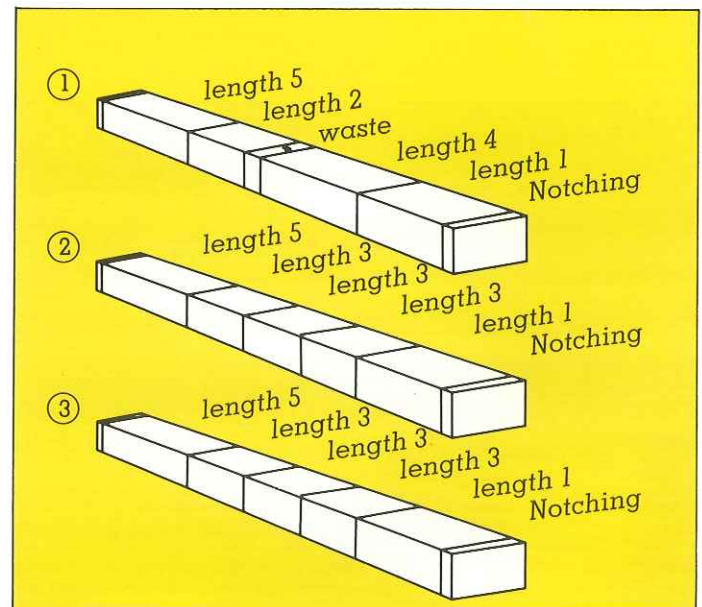
### 2. Semi-automatic

Notching: pre-programmed value or via control stick

Length values: handling via control stick, values to be entered via keyboard, selective calling of a pre-specified program (in the example shown: 1 x length 1, 3 x length 3, 1 x length 5).

### 3. Fully automatic

Notching and length programs are run automatically and continuously repeated (in the example shown: notching, 1 x length 1, 3 x length 3, 1 x length 5).

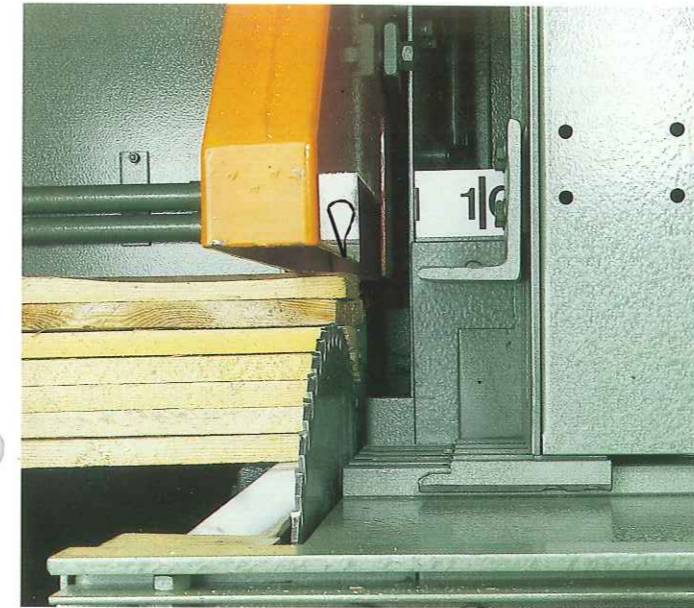


## How does QUICK STOP work?

The operator places the work piece on a slide bench in the catchment area of the cross-cut saw so that it is flush with the feeder guide rail. The limit stop is brought to the end of the work piece according to the selected operating mode, and a pneumatically controlled clamping device clamps the work piece tight so that it cannot be displaced. Then the work piece is fed into the cross-cut saw with a maximum feeder speed of 90 m/min and positioned in the cross-cut saw. The sawing process is triggered automatically without the operator intervening. A holding-down clamp secures the work piece against displacement during the sawing process. The waste segments of the work piece drop directly from the saw onto a waste conveyor belt and are transported away from the back of the cross-cut saw. The pieces cut to size are fed onto a conveyor belt or work bench.



The cut at the end of the work piece can be made at any point (down to waste "Zero") along the remaining waste piece, as the clamping device is released and withdrawn before sawing.



Easily removable slide plate for small lengths.



The work pieces can be placed on top of or beside each other. This increases the capacity of the machine enormously.

There is an optional extra clean cut which is executed automatically.

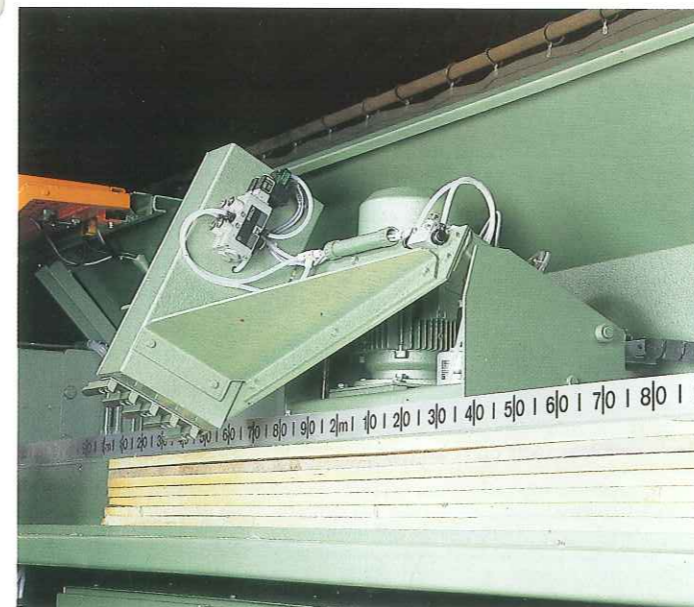
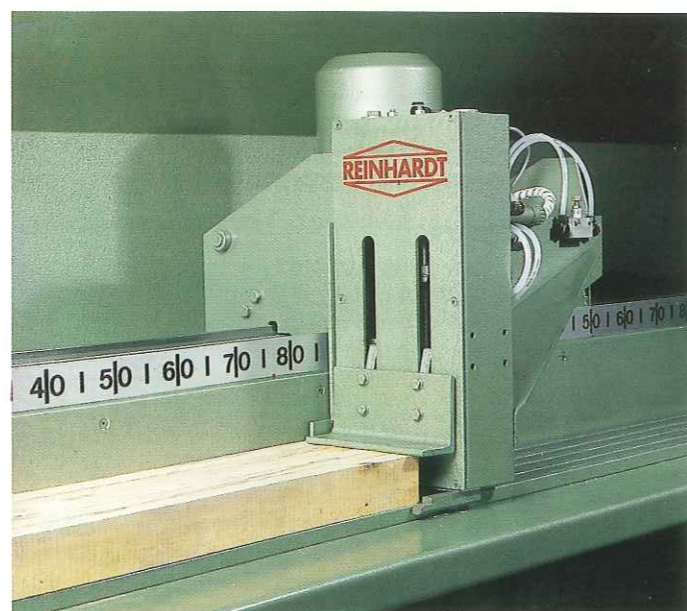
As soon as the work piece is fixed by the clamping device and fed towards the cross-cut saw, leaving the slide bench vacant, the operator can put on the next work piece. The advantage: the operator need not wait for the return stroke of the limit stop but can place the next work piece on the slide bench as soon as it is vacant. The effect is a greater capacity.

## What sort of work pieces can be processed?

Principally, all trimmed pieces coarse enough for sawing can be processed. QUICK STOP is also excellently suited for the manufacture of pallet blocks. An adaptation for untrimmed work pieces is being developed at present.

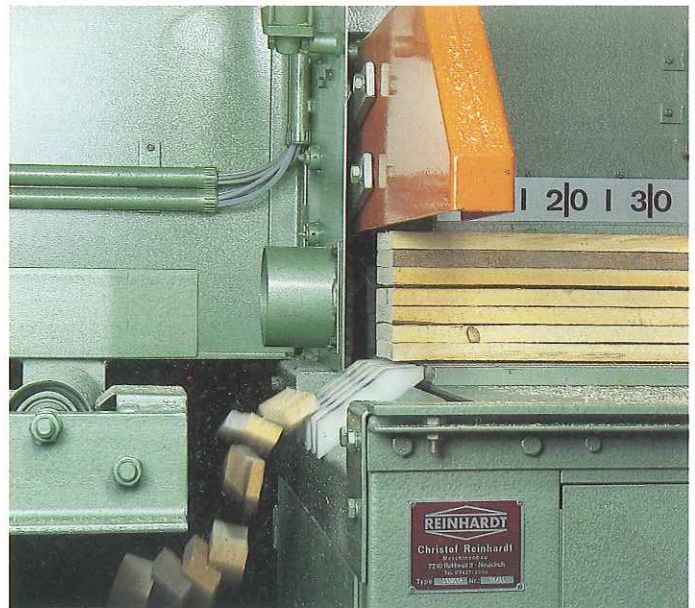
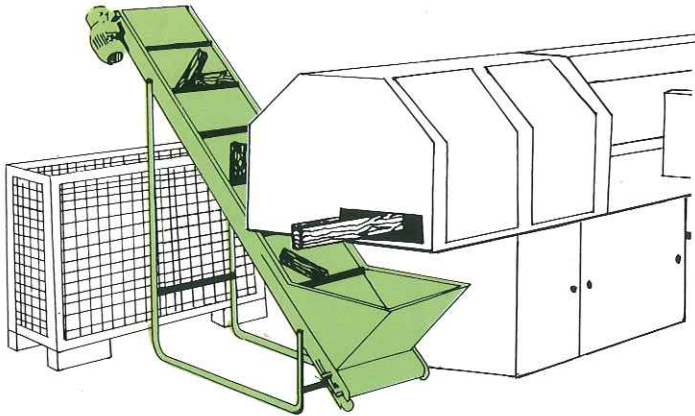
## How sturdy is the construction?

In most wood-working enterprises installations are subject to rough handling. For this reason special attention was paid to a sturdy construction in the development of QUICK STOP. An elaborate combination of toothed rack and generously dimensioned corner irons ensure smooth and non-wearing transport of the limit stop carriage. A protective grating, which can be swung aside, guards against accidents and ensures safe working conditions.



## How to dispose of waste wood

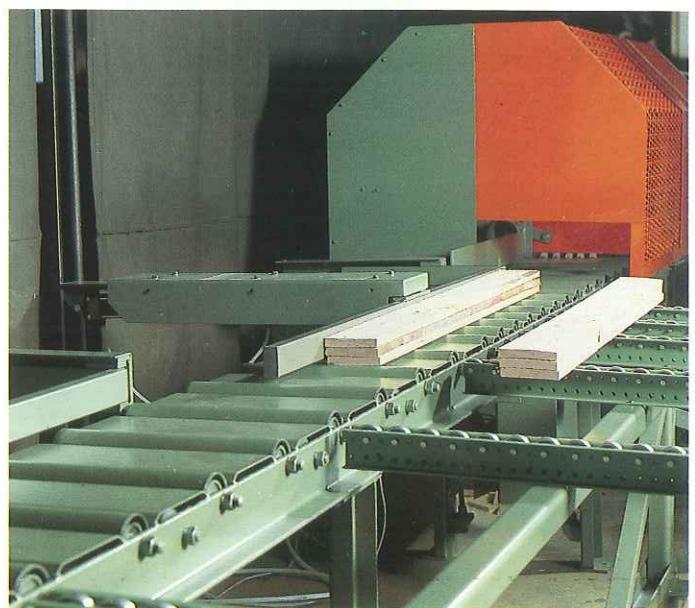
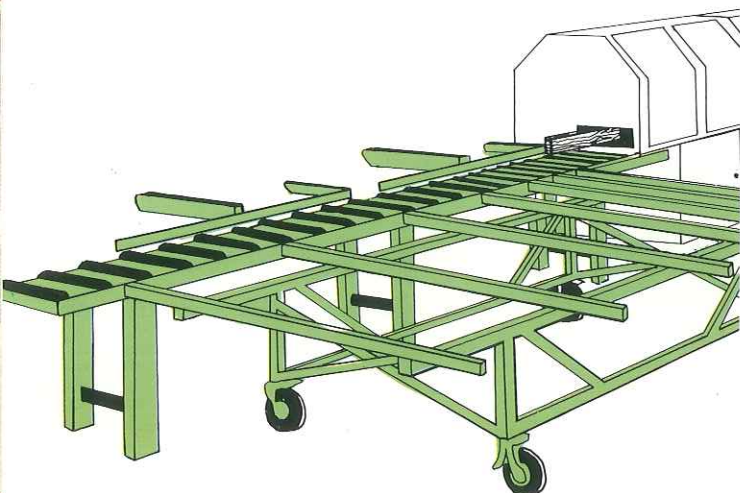
The waste segments drop directly from the saw onto a waste conveyor belt and can be transported away from the cross-cut saw without further trouble. This is also suited for an efficient transport of pallet blocks after sawing.



## How efficiently can the exit area of the cross cut saw be arranged?

In the simplest case the cut pieces are pushed onto a smooth bench after passing the machine. A simple conveyor belt with pneumatic exit slide units offers a basic practical advantage, however. The cut work pieces are buffered, which saves the operator having to run between the entrance and exit for each work piece. He can wait until the buffer is full and then

give his whole attention to clearing off and then to feeding anew. Adaptations and supplementary equipment can be provided for special requirements, e.g. sorting installations. We will be pleased to present possible modifications to you on request.



# Technical data

## cutting ranges

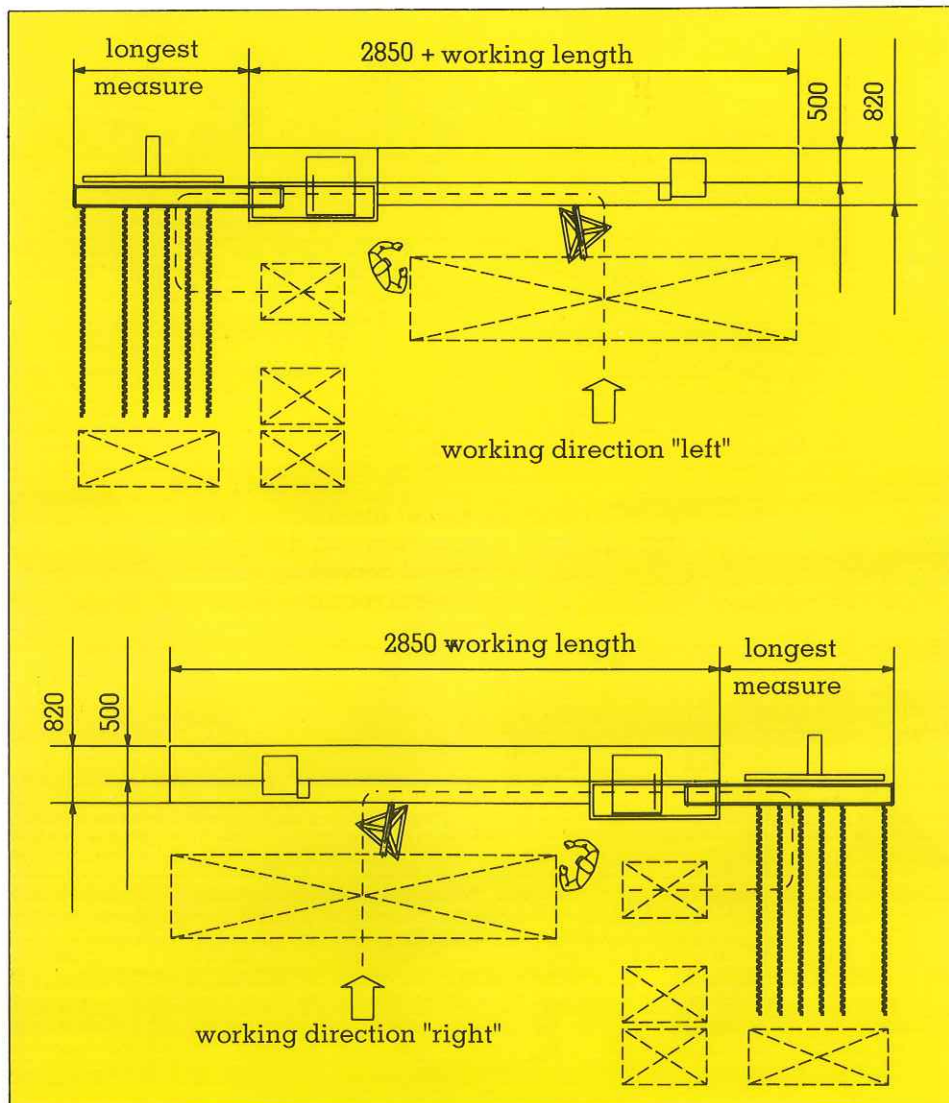
		QS 160	QS 160 S	QS 200
cutting diagram				
saw motor	kW	5,5	5,5	7,5
circular saw disk ø	mm	500	600	700
circular saw speed	r.p.m	2800	2800	1600
required air pressure 6 bar	Ncbm/h	10	11	23

### Connection data:

electric: 380 V / 50 Hz  
suction: min. 20 m/s

All specifications subject to change.

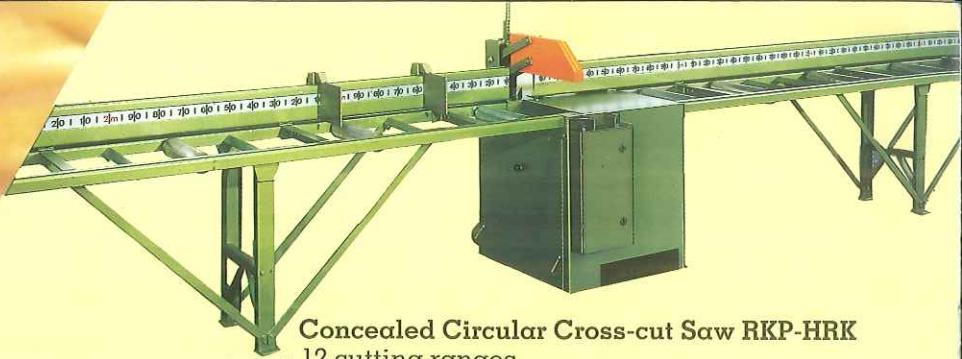
### Working procedure - required space



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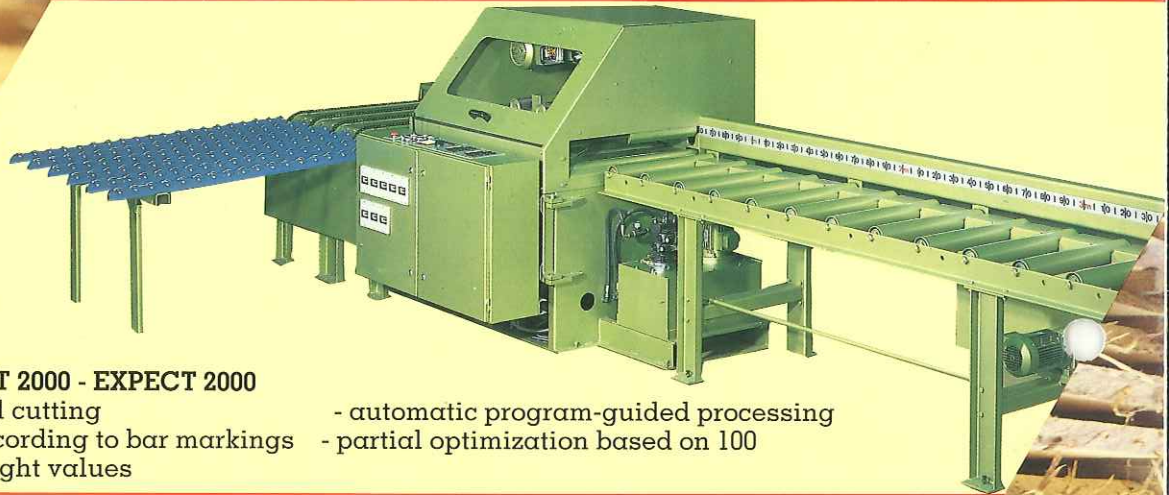
# Fertigungs- Programm

## Production Line



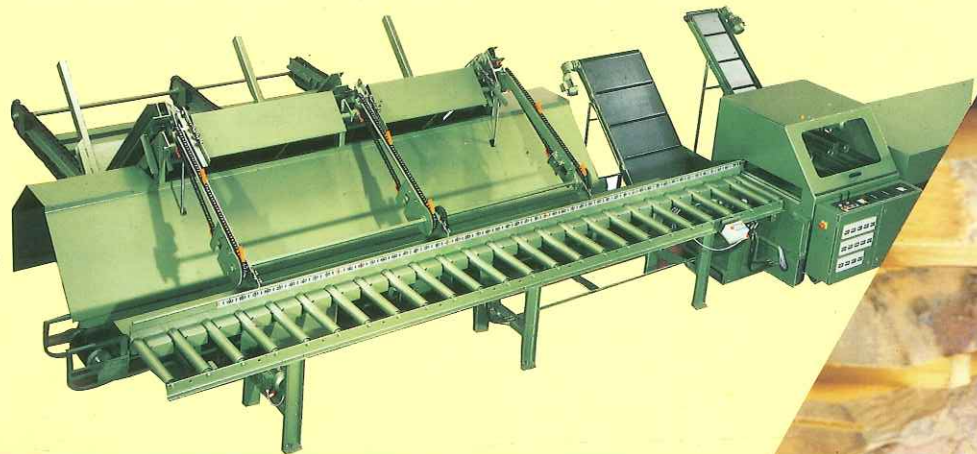
### Concealed Circular Cross-cut Saw RKP-HRK

- 12 cutting ranges
- automatic protection and holding-down devices
- length feed stops: pneumatic, hydraulic or electronic



### COMPACT 2000 - EXPECT 2000

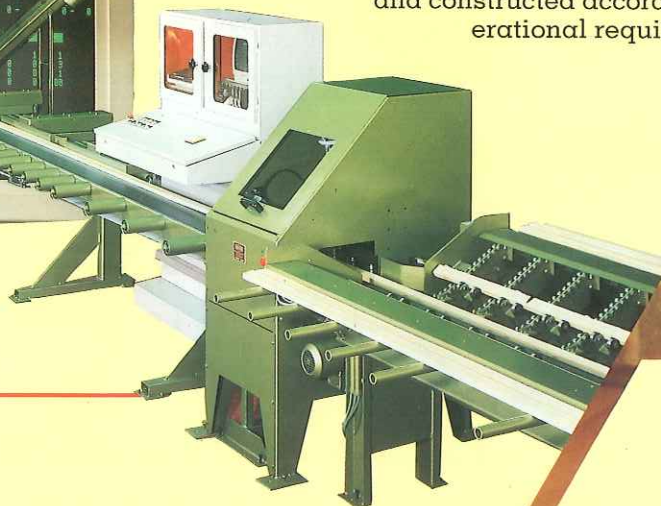
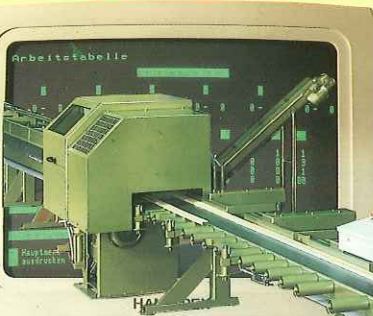
- individual cutting
- cutting according to bar markings
- constant length values
- automatic program-guided processing
- partial optimization based on 100



Additional conveyance and accessories for automatic unstacking and separating, longitudinal and cross-conveyance, sorting and marking

### ECONOMY 3000

CNC-Circular Cross-cut installation with cutting optimization Planned, designed and constructed according to operational requirements



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You tell us your problem and we'll help you out!