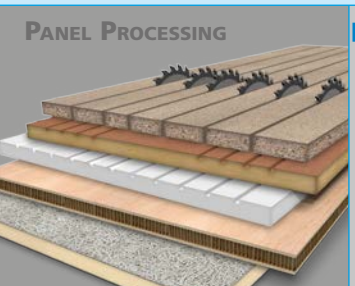
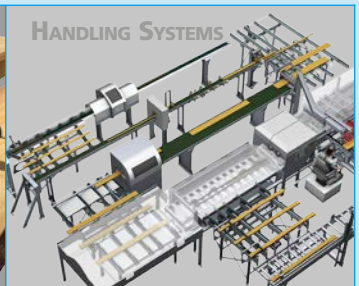
made
in
Germany

Maschinenfabrik GmbH & Co. KG

Circular Ripsaw

K34V/1000





FOR HARDWOOD AND SOFTWOOD

The versatile applications, the excellent operating convenience and short set-up times offered by the K34V/1000 make it the perfect choice for both sawmills and the secondary wood processing industries. Its robust, low-maintenance and durable construction guarantees minimum operating costs and maximum productivity. As a result of the folding hoods on each side of the machine it is particularly safe and quiet.

Depending on the particular application requirements, the machine will be equipped with either feed rollers or with a bottom chain bed. Optional system solutions, optimization software, handling components and automation features provide maximum efficiency of the K34V/1000.

Fig. 1: *Model K34V/1000 with MAXIRIP control and line lasers (option)*

FLEXIBLE SAW BUSHES

The large opening width and variable saw configuration with one fixed and up to five independently moving saw bushes ensure maximum increase in value and timber yield. The servo-controlled saw blades are accurately positioned via particularly user-friendly and intelligent control systems.

In the entry-level version the machine is also available with fixed saw blades only (usable set-up length max. 810 mm) as a simple multirip saw.

ACCESSORIES

OFFCUT SEPARATOR

The automatic separation of the edged products from the waney edges will enhance the efficiency of downstream processing operations. This leads to a significant increase in the system performance whilst personnel costs are drastically reduced. When producing several finished boards, an independently moving splitting wedge ensures that all finished pieces are fed between the two dividing plates.

Also remaining pieces to be re-run can be automatically returned with the aid of an automatic offcut separator.

Fig. 2: *Offcut separator*

INFEED SIDE

- Controlled and fixed line lasers for precise workpiece alignment
- Roller conveyors in various designs to facilitate easy and rapid alignment and loading
- Infeed pinch roller units
- Buffer chain conveyors
- Alignment chains
- Destacking systems

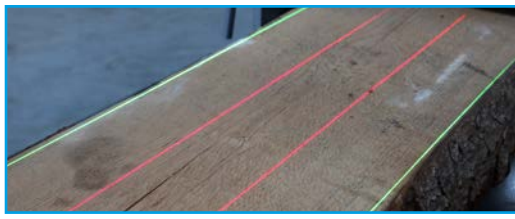


Fig. 3: *Line lasers for accurate workpiece alignment*

OUTFEED SIDE

- Automatic offcut separators
- Sawdust shakers
- Pinch roller units
- Spiral roller conveyors ejecting to the right or left
- Chain conveyors
- Roller conveyors
- Cross transfer conveyors
- Sorting Systems

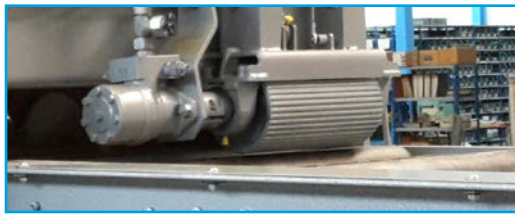


Fig. 4: *Infeed pinch roller unit*

CONTROLS

MAXIRIP and OPTIRIP for maximization and optimization of timber yield:

- Programming of ripping patterns
- Programming of fixed widths
- Programming of fixed set-ups on multi-saw bushes
- Width optimization (in conjunction with width measurement)
- Quality optimization
- Diagnostic software
- Network capability
- Telemaintenance
- Yield statistics
- Robust casing for arduous industrial applications
- Operating terminal freely movable on a cantilever arm (option)
- Other options

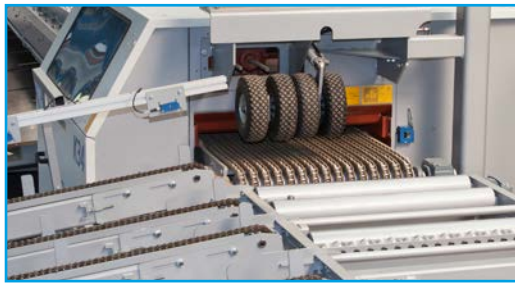


Fig. 5: *K34V/1000 with chain bed for the precise feed of even difficult workpieces*

TECHNICAL DATA

			K34V/1000
Opening width[1)]		[mm]	940
Maximum cutting height		[mm]	95
Maximum saw blade diameter		[mm]	340
Saw shaft diameter (hard-chrome plated)		[mm]	60
Speed of saw shaft (standard)		[rpm]	4500
Sound pressure level Sound power level	at no load/in operation at no load/in operation	[dB(A)] [dB(A)]	77/86 97/102
Feed speed, hydr. infinitely variable[2]		[m/min]	10–50 (on request up to 80)
Minimum workpiece length		[mm]	approx. 600
Maximum driving power		[kW]	55 kW (75 kW)
Dimensions	Length (without / with chain bed) Width Height	[mm] [mm] [mm]	approx. 1712 / 2616 approx. 2050 approx. 1420
Weight (without motor)		[kg]	approx. 3000

1) Max. ripping width depending on saw bush configuration
2) With manual workpiece removal max. 35 m/min

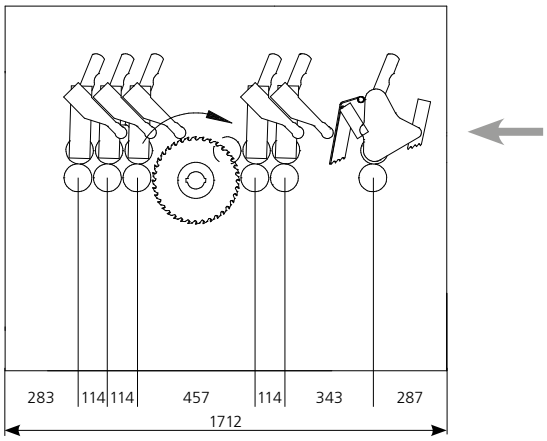


Fig. 6: *Feed roller configuration of K34V/1000*

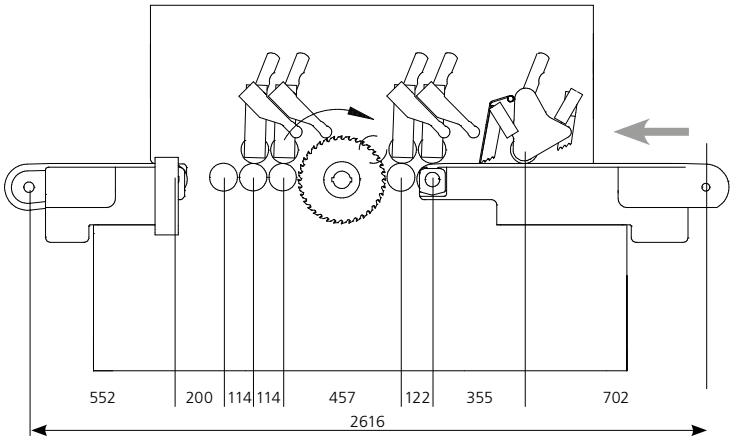


Fig. 7: *Feed roller configuration of K34V/1000 with chain bed*

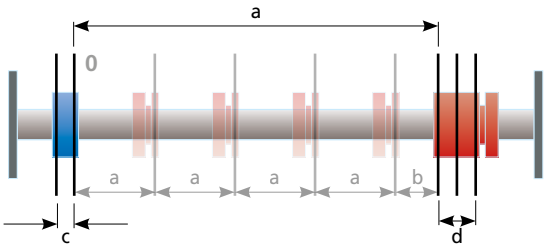


Fig. 8: *Movable saw configuration with one fixed and up to five moving saw bushes*

Moving saw bushes		**1**	**2**	**3**	**4**	**5**
Moving range **a***	[mm]	24 - 583	48 - 555	48 - 503	48 - 451	48 - 399
Moving range **b**	[mm]		24–531	24–479	24–427	24–375
Usable clamping length **c**	[mm]	60	60	60	60	60
Usable clamping length **d**	[mm]	120	120	120	120	120

** In the case of 2 – 5 moving saw bushes, the minimum saw spacing 'a' can optionally be reduced from 48 to 38 mm*

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