



*cutting edge technology
for challenges in sawing*



Package cross-cut saws

PRINZ package saws for stationary and

PC120 – the optimum solution for sawmills and pallet works

The PRINZ PC120 has been developed specifically for very high production output and a fully automatic, uninterrupted production process. Thanks to the PLC control system, the automatic cutting sequence parameters can be changed easily, with precision cutting guidance on both sides ensuring maximum cutting accuracy of ± 1 mm (.040"), even at maximum cutting output.

- ▶ stationary sawing unit with individual roller table lengths for cross-cutting packs of sawn timber, chipboard, gypsum plates, etc.
- ▶ fully automatic production process with series cutting function
- ▶ pivoted roller table to the left and right of the saw for easy disposal of longer wood rests
- ▶ convenient and safe for one person to operate
- ▶ vertical cutting guidance on both sides for ± 1 mm (.040") cutting accuracy, with cutting output of about 1.5 min/m²
- ▶ pneumatic pressure pads to hold down the stacks



Cutting gypsum plates



with automatic length measurement



with integrated wood residue disposal

CUTSTAR – highest precision, modest space

Ideal for just those situations where you do not have much room to work in, but you need maximum cutting accuracy. With the mobile CUTSTAR, stationary lumber packages are cross-cut to the required length at a cutting accuracy of ± 1 mm (.040"). A compact and cost-efficient solution to meet the most stringent demands.



- ▶ ± 1 mm (.040") cutting accuracy thanks to precision guidance
- ▶ connection for sawdust extraction
- ▶ automatic measurement of lengths using a PLC control system
- ▶ individually programmable package lengths
- ▶ pneumatic pressure pads to hold down the packages
- ▶ clear control panel for safe machine operation
- ▶ options: series cutting function, package lift for kerf opening, integrated wood residue disposal

Quick tensioning device

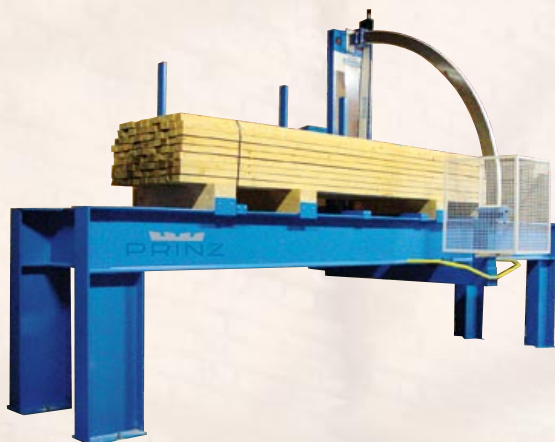


Simple operation for ease and convenience



Holding down the package

MOBILCUT – for optimised lumber production



PRINZ packsaws with a mobile sawing unit bridge the gap between mobile cross-cut saws mounted on wheels and fully-automatic installations with roller tables. With a less than 8 m footprint, you can measure and cut packs up to 6 m in length. The powerful guide bow guarantees a smooth, clean cut surface, with a cutting accuracy of ± 2 mm (.080"). So with little effort, you can improve product quality and increase productivity.

- ▶ small footprint for package lengths up to 6 m
- ▶ cutting accuracy of ± 2 mm (.080")
- ▶ sturdy design for lifelong application
- ▶ measuring and cutting to length packages up to 120 x 120 cm
- ▶ the saw can be moved either manually or electrically
- ▶ cutting can be performed either manually or hydraulically
- ▶ options: LED length readout, automatic length measurement, integrated wood residue disposal

Convenient operator's platform



Exact saw guidance



Stable bar guidance



TKSF (L/S/VA) – mobile and efficient, for universal use

Mobile cross-cut saws by PRINZ are universal and are the ideal entry-level model for efficient cross-cutting of ends and cutting through logs and stacks. Easy to manoeuvre, they provide a convenient alternative to single-operator saws. With the matching Prinz cutting equipment, you can not only cut wood easily and reliably, you can also cut gypsum plates, paper rolls, plastic pipes and much, much more.

- ▶ highly accurate cutting with two stabilisers
- ▶ a wide front end stop for accurately aligning the saw to the stack
- ▶ automatic chain lubrication directly to the cutting edge for optimum cutting equipment life
- ▶ guide bar lengths up to 250 cm, also with stellite inlay
- ▶ easy chain replacement with quick tensioning device



Lubricating the cutting edge



also suitable for round timber



PRINZ package cross-cut saws for universal use

	PC120	CUTSTAR	MOBILCUT BPSS/BPSH	TKSFL/TKSFS/ TKSFVA
Power	15 KW	15 KW	11 KW	7,5 KW/11 KW
Motor/Engine	electric	electric	electric	electric/petrol
Cutting accuracy	±1mm	±1mm	±2mm	±4mm
Standard package size (width x height)	120x120 cm	120x120 cm	120x120 cm	120x120 cm
Larger dimensions available	yes	yes	yes	yes
Cut feed	gear motor	gear motor	manual/hydraulic	manual
Guiding of the cut	parallel precision linear bearing guide system	parallel precision linear bearing guide system	rigid arch guiding	stabilisers
Saw type	stationary saw/ package moves	stationary saw/ package moves	saw moves/ stationary package	mobile saw
Chain types	scraper chain/ carbide tipped chain	scraper chain/ carbide tipped chain	scraper chain/ carbide tipped chain	scraper chain/ chipper chain/ carbide tipped chain
Guide bar	solid steel, stellite inlay	solid steel, stellite inlay	solid steel, stellite inlay	solid steel, high frequency hardened or stellite inlay
Cutting performance	1,5min/m ²	1,5min/m ²	1,8min/m ²	2min/m ²
Package/saw drive	gear motor with frequency converter	gear motor with frequency converter	gear motor with frequency converter/ manual	manual
Measuring device available	yes	yes	yes	no
Control system	SPS	SPS	SPS/manual	manual
Applications	fully automatic production system with ±1 mm cut accuracy, unlimited package length	travelling saw to handle packages up to 6 m length with ±1 mm cut accuracy and limited space requirement	travelling saw to handle packages up to 6 m length with ±1 mm cut accuracy and limited space requirement	clean cuts on packages and logs, cutting on the spot
Options	manual or electronic measuring device	electronic measuring device	LED length readout or electronic measuring device	log bumpers
	exhaust connection, cross conveyors, laser light for cut position	exhaust connection, laser light for cut position	exhaust connection, laser light for cut position	
	strapping machine, conveyors for waste removal	conveyors for waste removal	conveyors for waste removal	
	vibrating rollcase for package alignment to eliminate end trims, container for waste removal	container for waste removal	container for waste removal	
			chain lubricating unit	
	package holding down appliance	package holding down appliance	package lift for kerf opening	
	swivel-mounted roll conveyors	package lift for kerf opening		