



*cutting edge technology
for challenges in sawing*



Package cross-cut saws

PRINZ package saws for stationary and

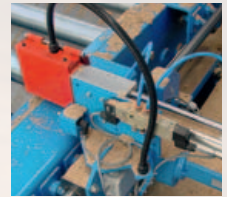
PC120 – the optimum solution for sawmills and pallet works

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 lengths 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



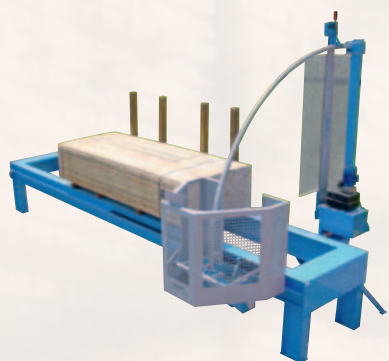
simple operation for ease and convenience



holding down the package

MOBILCUT/MOBILCUT^{COMFORT} – optimised lumber production

PRINZ package saws with a mobile sawing unit bridge the gap between mobile cross-cut saws mounted on wheels and fully-automatic installations with roller tables. The guide bow guarantees high cutting accuracy. Combining them with PRINZ chipper chains also guarantees a smooth and clean cut surface.

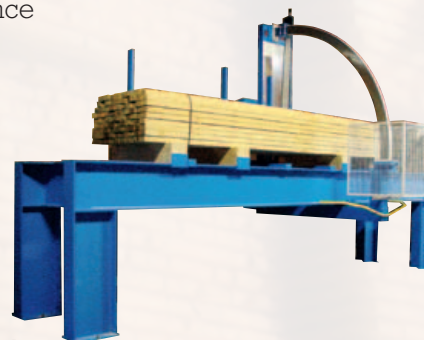


What are the characteristics of the MOBILCUT^{COMFORT}?

- ▶ only 7,5m footprint for packages up to 6m
- ▶ chain motor with 7,5KW
- ▶ manual cut operation
- ▶ saw positioning by handwheel or gear motor
- ▶ options: LED length readout, integrated wood residue disposal
- ▶ best cost-ratio performance

MOBILCUT – the way to meet the most stringent demands

- ▶ chain motor with 11 kW
- ▶ powerful guide bow for maximum cutting accuracy
- ▶ solid I-beam frame, 500mm thick
- ▶ manual or hydraulic cut feed
- ▶ gear rack and gear motor positioning
- ▶ optional: LED length readout, measuring system, wood residue disposal



PROFICUT^{LIGHT/STRONG}, ECOSTAR – 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 up to 120 x 120cm. You can not only cut wood easily and reliably, you can also cut gypsum plates, paper rolls, plastic pipes and much, much more.

General features

- ▶ 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



Cutting efficiently with the new TWIN-L

- ▶ saw is pushed and fixed by hand: no new positioning of the saw after each cut
- ▶ guide-bar always in correct squaring position to the package
- ▶ saw always remains in position during the entire cutting, no deviation

PRINZ package cross-cut saws for universal use

	PC120	CUTSTAR	MOBILCUT ^{COMFORT} MOBILCUT ^{LIGHT} MOBILCUT BPSS/BPSH	TWIN-L	ECOSTAR PROFICUT ^{LIGHT} PROFICUT ^{STRONG}
Power	15 KW	15 KW	7,5KW/11 KW	7,5KW	7,5KW/11 KW
Motor/Engine	electric	electric	electric	electric	electric/petrol
Cutting accuracy	±1mm	±1mm	±2mm	±4mm	±4mm
Standard package size (width x height)	120x120 cm	120x120 cm	120x120 cm	130x130 cm	120x120 cm
Larger dimensions available	yes	yes	yes (not MOBILCUT ^{LIGHT})	yes	yes
Cut feed	gear motor	gear motor	manual/hydraulic (MOBILCUT ^{LIGHT} manual only)	manual	manual
Guiding of the cut	parallel precision linear bearing guide system	parallel precision linear bearing guide system	rigid arch guiding	stabilisers	stabilisers
Saw type	stationary saw/ package moves	saw moves/ stationary package	saw moves/ stationary package	mobile saw/ stationary package	mobile saw
Chain types	scraper chain/ carbide tipped chain	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	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	2min/m ²
Package/saw drive	gear motor with frequency converter	gear motor with frequency converter	gear motor with frequency converter/manual (MOBILCUT ^{LIGHT} no frequency converter)	manual	manual
Measuring device available	yes	yes	yes	no	no
Control system	SPS	SPS	SPS/manual (MOBILCUT ^{LIGHT} manual only)	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 ±2 mm cut accuracy and limited space requirement	clean cuts on packages with no positioning problems, whatever the ground conditions	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 (not MOBILCUT ^{LIGHT})	linear measuring tape	log bumpers
	exhaust connection, cross conveyors, laser light for cut position	exhaust connection, laser light for cut position	exhaust connection (not MOBILCUT ^{LIGHT}), 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 (not MOBILCUT ^{LIGHT})		
	package holding down appliance	package holding down appliance	package lift for kerf opening (not MOBILCUT ^{LIGHT})		
	swivel-mounted roll conveyors	package lift for kerf opening			