

STENNER

PK20

Description

The PK20 bandsaw has been specifically designed for the sawing of hardwood flooring components to their final size.

The PK20 combines a high output capability with a saw kerf and accuracy of a miniature frame saw.

The machine is capable of handling a range of feed stock specific to the different flooring markets throughout the world. The PK20 features a compact and robust modular design which allows the machine to be fully assembled and tested prior to shipping.

The wide band cutting system, a narrow kerf and Stellite tipped, easily maintained blade design combined with a high strain, high speed sawing unit results in a system which can maintain accuracy and throughput.

All timber to be processed on this machine must be of a rectangular cross section and be parallel within a tolerance.



Specification

Number of saws		4
Bandsaw thickness		0.8mm (21g)
Bandsaw width		80mm
Bandsaw length (Nominal)		5500mm
Bandsaw pulley diameter		915mm (36")
Timber length (Max)		200mm
(Min)		80mm
Min Timber length	300mm	*width must not exceed 1/2 x length
Max input material height		75mm
Feed speeds	(Variable)	5 - 25m/min
Main motors		18.5kW (25hp)
Mist Spray fluid capacity		8 litres
Working Height		1300mm
Size of machine:		
Height		2550mm
Width		3000mm
Length		2000mm
Weight of machine	(Net)	8000kg

Technical Details - PK20

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Variable Saw Speed:	35-50 m/s
Dead Bed, Overhead Pressure Rollers and Driven Side Rolls for feeding timber.	
Pressure Sawguide Offset:	4mm minimum
Pneumatic Supply Required:	Yes
Power of Feed System:	Powerful feedworks utilising a motorised gearbox.
Hydraulic Supply Required:	No

Sawguides

Remachinable Sawguides are fitted as standard on this machine. Accurate sawing relies on keeping the sawguide pads in good condition. The saw will run on the low friction pads with minimal wear provided a thin film of lubrication is maintained between saw and pads.

Saw and Saw Pulley Cleaning

The machine is fitted with The Stenner Spray Lubrication System. The function of this new feature is to automatically and effectively lubricate both the top and bottom pulley as well as the saw blade.

Saw Straining

Strain is applied to the sawblade by a pneumatic cylinder, which is applied via a linkage when the lever is operated. Incorporated for safety purposes, is a low pressure switch and should the pressure drop to an unsatisfactory level, power to the main drive motor will be automatically removed and the machine will stop running with the D.C. brake operating.

Electrical Connection (Minimum)

Motor Size	Cross Section Size for 380/415V Supply	Cross Section Size for 220V Supply
18.5kW	50mm ²	95mm ²

The supply voltage must not vary by more than $\pm 10\%$.