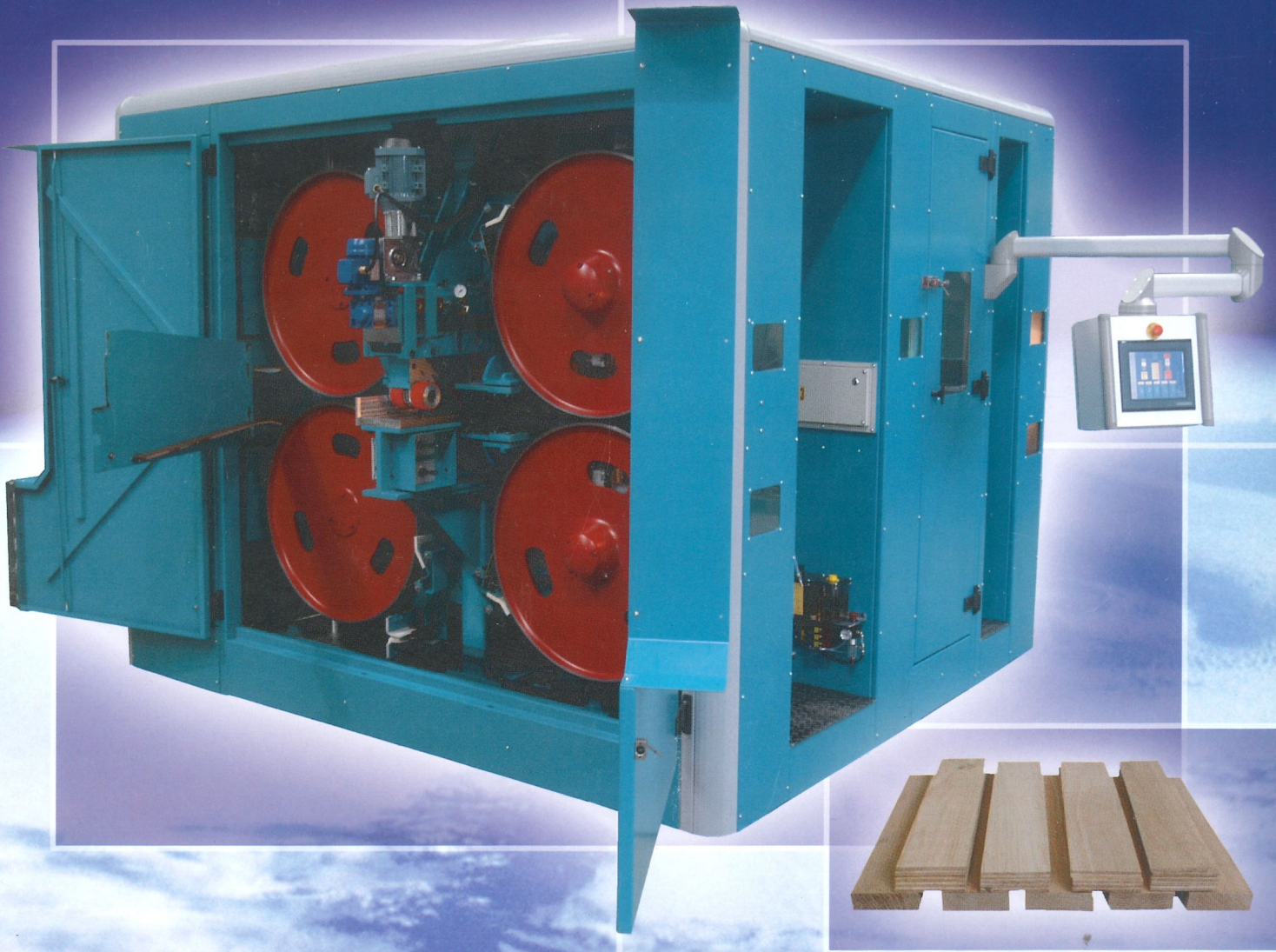


The PK Range

For sawing hardwood
flooring components



STENNER

modern technology - proven reliability

The PK family of resaws have been specifically developed for the accurate sawing of kiln dried hardwoods primarily for the flooring market.

The design parameters for these machines are to produce lamells for engineered parquet flooring with the finish, accuracy and saw kerf attainable by frame (sash gang) saws combined with the throughput achieved by circular saws.

Our success in meeting these parameters has led to PK machines being installed and running successfully in all the main flooring production markets of the world.

One of the many advantages of the PK wide bandsaw is the wide range of feed stock which can be handled. Whilst developed initially for short lamells of approximately 80mm width, the PK as standard can handle feed stock up to 200mm wide. With the option of adjustable sawguides this can be increased to 300mm. This flexibility is further enhanced because both feed speed and bandsaw speed are variable as standard; ensuring optimum performance on a wide range of different timber species.



The PK range is available in configurations providing 1 to 6 saw units dependant upon both input and finished product sizes and the required throughput. All configurations provide compact machines requiring an absolute minimum of floor space. Machines with up to 4 saw units are delivered to the customers factory in one piece, and no machine in the PK range requires any foundation work other than a flat and level concrete base of adequate thickness.



CONTROL PANEL

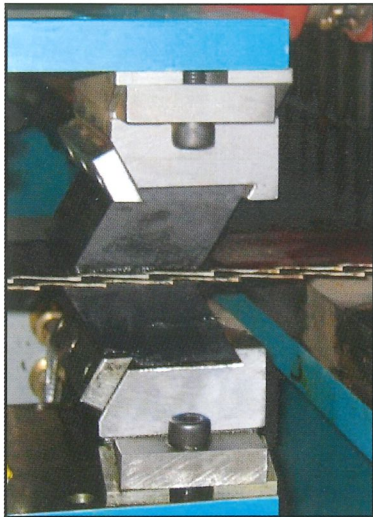
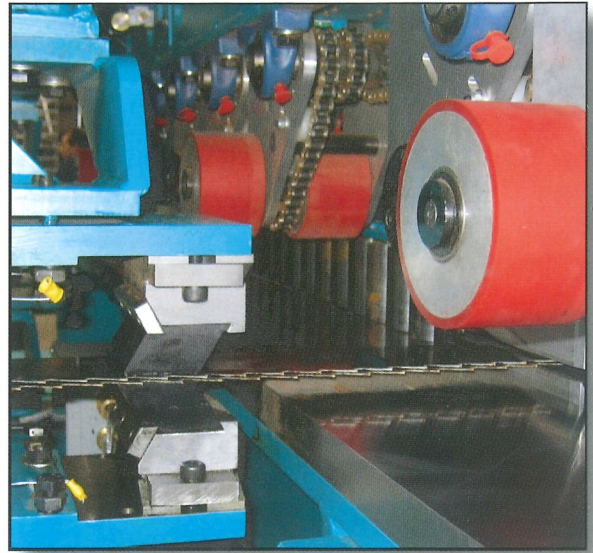
The PK is controlled through a colour touch screen giving full diagnostics and history of operation, thus helping to keep the already small routine maintenance requirements to a minimum. Required lamell thicknesses are clearly displayed and easily adjusted in increments of 0.1mm. This extremely user friendly system is available with an optional modem communication link.

FEED SYSTEM

A machined and hard-chromed "dead bed" provides a precision, low friction surface for the movement of timber through the machine.

Power-driven rubber covered overhead rolls provide a positive drive at all stages of production. The complete overhead feed system has a powered rise and fall facility providing easy adjustment according to the input material thickness.

A multi-roller side guide at the right side of the machine can be directly aligned to a pre-sizing planing machine at the start of the production process.



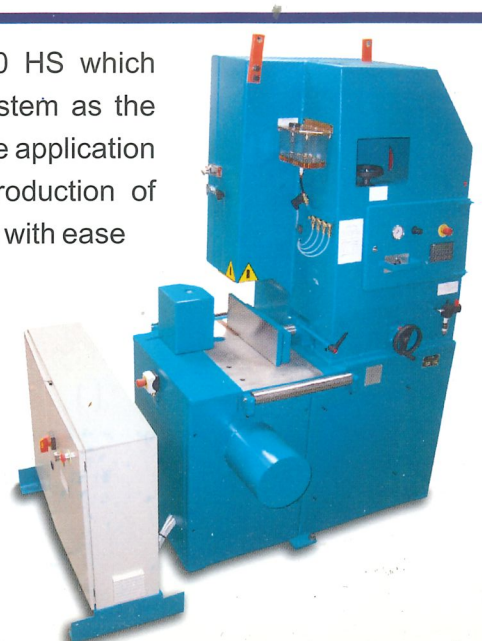
SAWING SYSTEM

The PK sawing system brings together advanced technology in three key areas:

- A pneumatic saw tensioning system which delivers saw straining levels approximately twice that of conventional sawing systems, providing an instantaneous response to changes in blade loading, thereby ensuring blade stability and cutting accuracy.
- Saw pulleys are cast utilising high grade materials under strict quality control to allow the wide range of rim speeds required, especially at the top end of the operating range. The bearing design also provides for both the high rotational speeds and high straining levels used.
- Pressure sawguides, (illustrated above) are supplied to provide the maximum possible control of blades during operation (refacing equipment and spare toolroom set of guides are provided as standard). These guides are adjustable across the width of the blades and remachinable; keeping maintenance and change-over times to an absolute minimum. The guide material used also ensures maximum possible blade life.

**S
T
1
0
0
H
S**

Also available is our ST100 HS which utilises the same sawing system as the PK but in a vertical mode. The application for the ST100 HS is the production of accurately sawn components with ease of accurate setting and minimal sawdust. These machines have proven very effective in the sawing of high quality products from valuable timbers, for applications such as musical instruments and fine furniture.



specifications

Operational Data

Timber width (min): 60mm

Timber width standard (max): 200mm
optional (max): 300mm

Timber length (min): 300mm

(Shorter lengths possible as an option. Timber length must be greater than twice timber width)

Timber length (max): 4000mm

Input material height (max): 75mm

Feed speed range: 5 - 25m/min

Saw speed: variable by frequency control as standard

Product accuracy: on 80mm wide material the PK will achieve a standard deviation of less than 0.1mm.

Machine Data (4 saw machine)

Saw pulley diameter: 915mm

Sawblade width (max): 80mm

Main motor power: 18.5kW per saw unit

Overall height: 2820mm

Overall width: 3750mm

Overall length: 2150mm

Operating height: 1300mm

Machine weight: 8250kg

Stenner Ltd

Blundells Road, Tiverton
Devon EX16 4JX United Kingdom

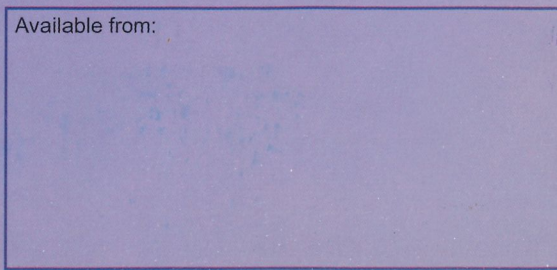
Tel: +44 (0) 1844 255700

Fax: +44 (0) 1844 257794

e-mail: stenner@stenner.co.uk

website: www.stenner.co.uk

Available from:



The company has a policy of continuous product development and improvement, specifications are therefore subject to change without notice. The company accepts no liability for discrepancies in specifications or illustrations contained in its publications

