Individuelle Materialfluß- und Lagertechnik

We also serve following industries:

- Wood and particleboard industry
- Furniture industry
- Timber trade
- Rubber industry
- Glass industry
- Building board industry
- metal & plastic industry

Unsere Produkte:

- Material handling engeneering
- High bay storage
- Area storage
- Feeding and stacking
- Saws
- Squared timber automat & packaging lines
- Edge cleaning machines
- Stack turnovers

So erreichen Sie uns:

SYSTRAPLAN
Individuelle Materialfluß- und Lagertechnik

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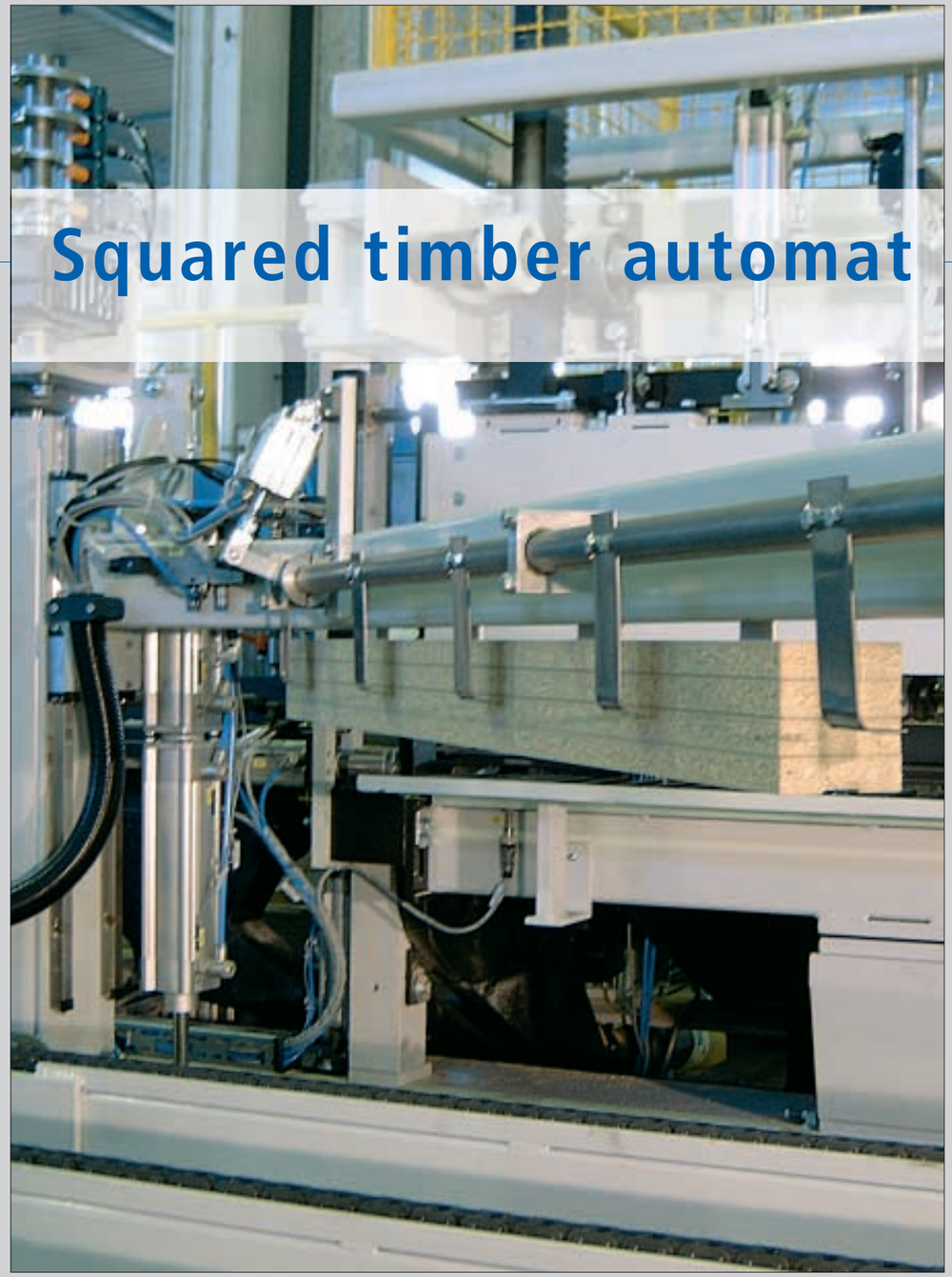

Squared timber automat

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Know-how makes goods move

Demand orientated production of squared timber and packing strips

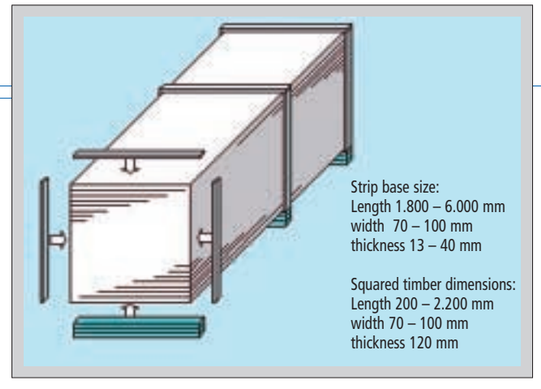
**Nowadays an efficient packaging also becomes more and more important when producing consignment-orientated.
With the aid of this square timber automat squared timber and packing-strips can be produced demand-orientated and accurate to dimension for the varying size of the packaging just in time.**

Reasonable recycling of faulty remaining boards

Strips from remaining boards or boards with faulty surfaces, which have been developed during the production of chip boards, OSB or MDF boards, are joined together to squared timber and timbers.
These packing-strips have a length of 200 to 2.200 mm and a height of 13 mm (minimum thickness of board) up to 120 mm.
When working with the standard version the strips are manually put into a magzin and are transported from there to the squared timber production.

Raw as well as coated boards can be processed

After the strips have been cut and/or grooved they are provided with hotmelt adhesive and are then put on top of each other by a pressing device up to a height of max. 120 mm.Raw as well as coated boards (also mixed ones) can be manufactured.



Example for using squared timber and packing-strips.

Flexible data input

The input of the dimensions and number of pieces for the according packing-strips is either carried out

- by a keyboard, which is integrated in an operating panel with display, or
- by an automatic stack-surveying unit, which is positioned at the stack-charging of the packaging line, when using a squared timber machine which is integrated in a packaging line.
- Alternatively data can be exchanged automatically.

Fully automatic production of squared timber and packaging strips

The production of the squared timber and packaging-strips is fully automatic.Working with the manual and semi-automatic version the squared timber machine places the completed square timber and pakkaging-strips on a take-off table.

Connection to a strapping machine

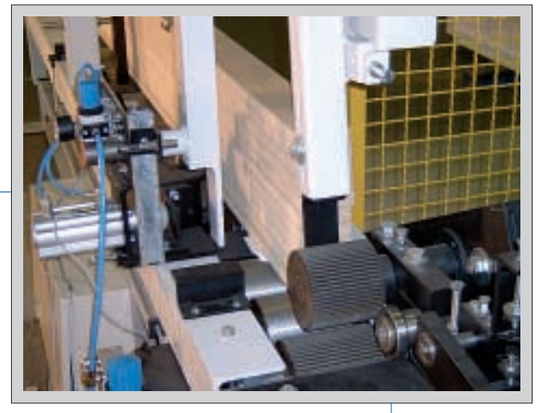
When operating with an automatic packaging unit the squared timber and packaging-strips are transferred i.e. by a gripping and turning unit to a conveyor. The connection will be individually adapted for the requirements.

Aggregate for grooving

The squared timber machine has a device for cutting grooves into the squared timber and/or packaging-strips. The steel or plastic strap then lies in this groove after the strapping. The groove protects the band against damages during the transport of the stacks.

Feeding device for the square timber machine

The production of squared timber and packing-strips can be further automated when extending the system by a feeding device. Thus the regular, manual placing of the strips can omit. A fork lift truck places a package of strips on the brackets of a feeding-table. Then bars between the brackets, are pushing the stack up to the limit stop, where the first row of the strips then is taken over by a separating unit. The stack of strips is then placed on the conveyor of the squared timber machine. A longitudinal slide then conveys the row of strips up to a mechanical stopper. From there each strip, starting from the bottom one, is single transported up to the squared timber production.



Strip saw for the strip production

Instead of using a feeding device the strips can also be directly made of board material by using a strip saw.

System Control

A system control makes sure that the butt joints between the strips are positioned in pre-determined inner ranges of the squared timber. This is achieved by accordingly cutting of the strips and ensures sharp-edged and complete square timbers. When cutting the strips remaining pieces emerge from this manufacturing process. These strips have a max. length of 80 mm. An always sufficient overlapping of the strips within the squared timber is guaranteed, and thus a high mechanic capacity is given.

Performance

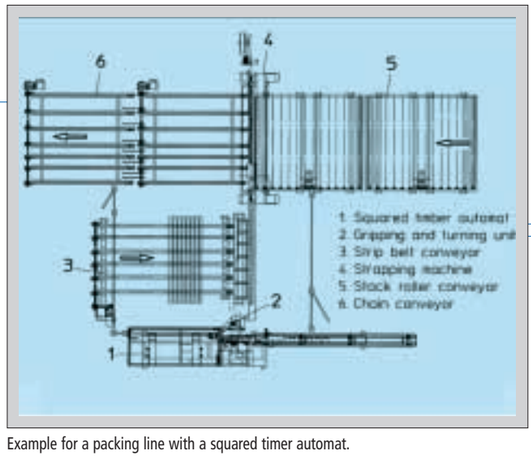
The performance of the machine matches to a common strapping cycle.The performance of the machine varies, depending on the length of a squared timber and the number of layers. For the production of a 4-layer squared timber with a length of 1.000 mm the machine requires approx. 20 sec.

Squared timber stacking unit

Um einen Kantholzautomaten für mehrere Verpackungslinien nutzen zu können, kann dieser mit einer Kantholzstapelstation ausgestattet werden. Ortsungebunden können so Kanthölzer vorproduziert werden.

Additional components for packing lines

Among squared timber automates Systraplan also offers further transport and handling solutions for packing lines. As a competitive and flexible company we are swiftly responding to specific customer demands.



Example for a packing line with a squared timer automat.

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