

OPTI-FEED

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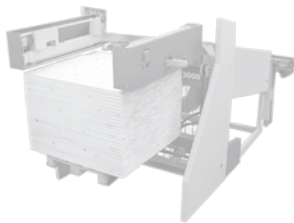
Automated Feeding Systems
Opti-Feed 3000
Opti-Feed 6000



OPTI-FEED



OPTI-STACK



OPTI-FEED



Feeding Systems



Automated feeding systems Opti-Feed 3000 and 6000

System TM offers a wide range of standard, well-proven automated handling systems for automation of main machines such as cross-cut saws, moulders, resaws, rip-saws, etc.

Our automated handling systems are designed to dramatically increase the capacity of the main machine and to reduce labour costs. In order to satisfy customer demands our range of systems includes both standard system solutions and fully customised project solutions, when required.

The standard Opti-Feed 3000 and Opti-Feed 6000 packages offer a wide range of infeed systems which can be mixed and matched, but which also allow for extra equipment to be added at a later date. You can choose from an extensive range of optional features such as pack transport, stick transport, stick collector, reject station, board turning device, etc.

With System TM's Opti-Feed 3000 and Opti-Feed 6000 we are able to advise you on - and supply - the right solution to fulfil your specific requirements and demands to obtain more efficient and more profitable production.

Make a wise move

- let an Opti-Feed solution from System TM do all the hard and repetitive work!!

Opti-Feed systems will give you the following advantages:

- Increased production
- Reduced labour costs
- Optimal utilisation of your main machine's capacity
- No manual handling
- No heavy lifting
- Careful handling of the workpieces
- Flexible solutions
- No repetitive strain injuries
- High reliability
- Standard systems and individual solutions
- Durable heavy-duty construction
- User-friendly and safe design
- Fast and easy to operate with a low change-over time between production runs
- After Sales Service - 24 Hours - world-wide

Opti-Feed 3000 Systems

Opti-Feed 3000 - short workpieces

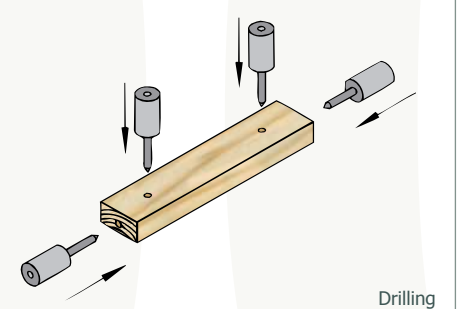
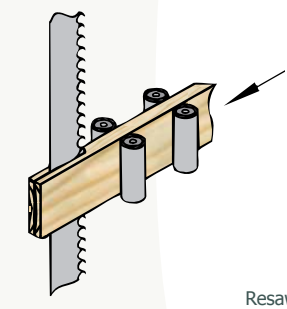
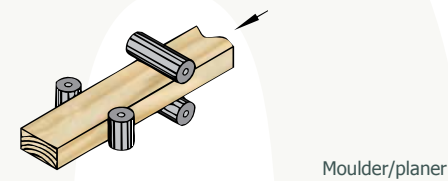
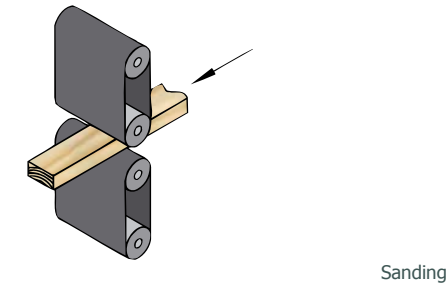
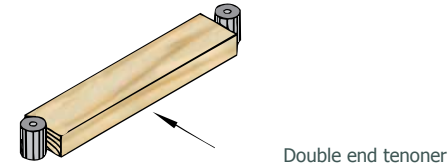
Opti-Feed 3000 - an automatic infeed system designed so that the infeed speed of the workpiece is automatically adjusted to the speed of the main machine, enabling both increased machine capacity and release of labour from hard and repetitive work.

Opti-Feed 3000 is suitable for the handling of short workpieces from 380 – 2500 mm (15"– 98") at a capacity of 50 workpieces (standard) or 5 layers per minute by uniform lengths.

The Opti-Feed 3000 is designed to feed workpieces into different main machines such as moulding machines, double end tenoners, resaws, sanding machines etc.

By the modular design of the Opti-Feed 3000 the entire destacking unit is suspended from a portal, enabling e.g. the destacking of layers from packs which stand directly on the floor. Packs can easily and automatically be replaced directly from the floor during operation - without stopping the main machinery.

When changes to the production length are made, the new required length can easily be keyed in at the operator panel, and the Opti-Feed 3000 will automatically adjust to the new length.



Features

- High capacity
- Automatic speed regulation of the main machine
- Automatic pack change
- Automatic length adjustment
- Takes up a minimum of space
- Pallet can be placed directly on floor
- Low noise level

Opti-Feed 6000 Systems

Opti-Feed 6000 - long workpieces

Opti-Feed 6000 - System TM's system packages offer three Opti-Feed 6000 solutions, matching the customers' specific requirements with regard to feeding, floor space and investment.

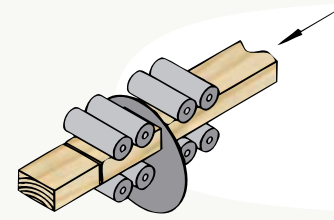
The Opti-Feed 6000 system is designed so that the infeed speed of the workpiece is automatically adjusted to the speed of the main machine, enabling both increased machine capacity and release of labour from hard and repetitive work.

Opti-Feed 6000 is suitable for the handling of long workpieces from 1200 – 6100 mm (4' - 20') at a capacity of 40 workpieces (standard) per minute.

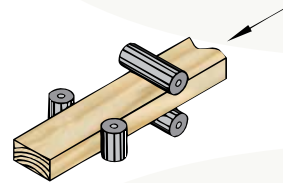
The Opti-Feed 6000 is designed to feed workpieces into different main machines such as cross-cut saws, moulding machines, resaws, rip saws etc.

Opti-Feed 6000 systems can be equipped with optional features such as pack transport, stick transport, stick collector, equipment for edge protection and noise reduction, bow detection and turning device, reject station, etc.

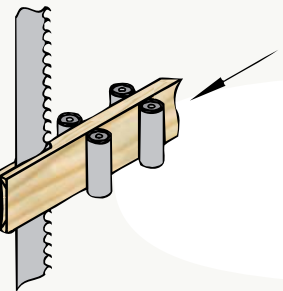
Packs can easily and automatically be replaced during operation - without stopping the main machinery.



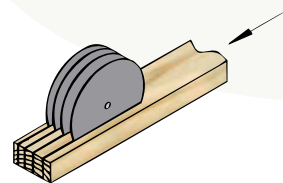
Cross-cut



Moulder/planer



Resaw



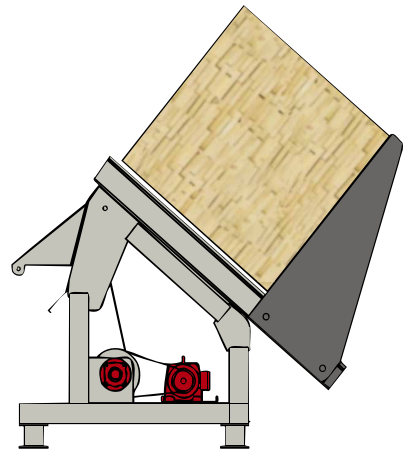
Rip-saw

Other main machines



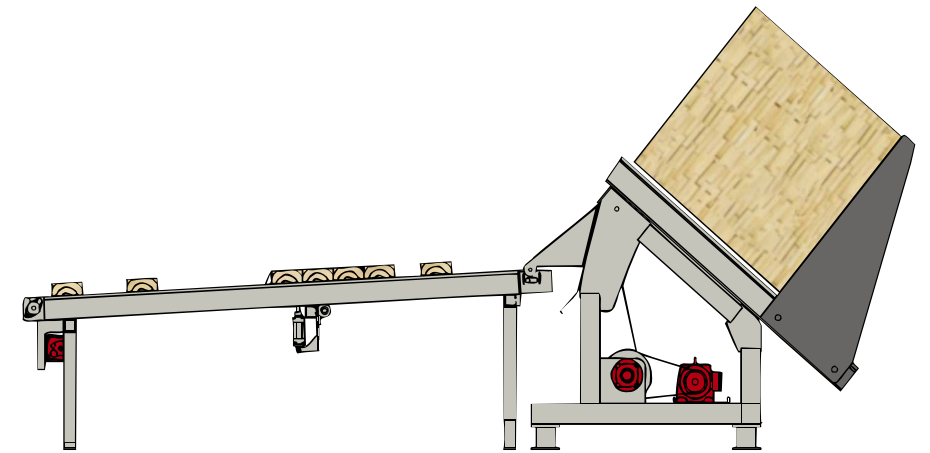
Concept 1

Semi-automatic feeding system
- Tilt hoist



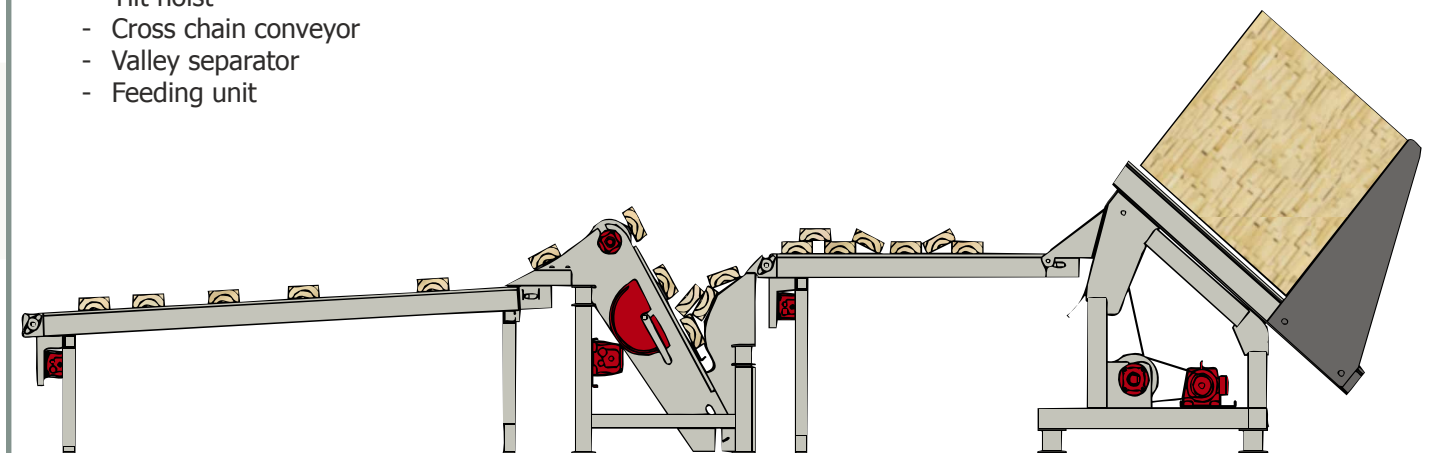
Concept 2

Semi-automatic feeding system
- Tilt hoist
- Cross chain conveyor



Concept 3

Automatic feeding system
- Tilt hoist
- Cross chain conveyor
- Valley separator
- Feeding unit





Example of automatic pack transport, avoiding production stoppage by pack change.



Measuring of core bend. Hereafter the workpiece can be turned automatically as desired.



Equipment for edge protection and noise reduction.



Stick collector separator for automatic handling of sticks.



Technical Features

Opti-Feed 3000 - short workpieces

Standard Features

- Portal destacking unit
- Electrical equipment and control programme
- Safety fence and safety barrier

Optional Features

- Pack rollers
- Pack chains
- Automatic stick removal

Technical Informations

- Board length: 380 - 2500 mm (15" - 98")
- Length variation, max: +/- 5 mm (6/32")
- Board width: 50 - 300 mm (2" - 12")
- Board thickness: 15 - 100 mm (5/8" - 4")
- Board weight, max: 20 kg (44 lb.)
- Layer weight, max: 80 kg (176 lb.)
- Pack width, max: 1200 mm (48")
- Pack height, max: 1200 mm (48")
- Main machine bed height: 850 - 900 mm (33" - 35")

Variations of specification available on request.

Opti-Feed 6000 - long workpieces

Standard Features

- Tilt hoist
- Cross chain conveyor
- Valley separator
- Cross chain conveyor with single piece feeding
- Electrical equipment and control programme
- Safety fence

Optional Features

- Pack rollers
- Pack chains
- Equipment for edge protection and noise reduction
- Stick belt
- Stick collector
- Extra cross chain conveyor and reject gate
- Equipment for feeding random width boards
- Equipment for feeding 25 mm (1") wide boards
- Automatic core bend and board turner

Technical Informations

- Board length: 1800 - 6000 mm (6' - 20.5')
- Board width: 1200 - 4800 mm (4' - 16')
- Board thickness: 50 - 300 mm (2" - 12")
- Board weight, max: 15 - 100 mm (5/8" - 4")
- Board weight, max: 40 kg (88 lb.)
- Pack width, max: 1200 mm (48")
- Pack height, max: 1200 mm (48")
- Pack weight, max: 4000 kg (8800 lb.)
- Main machine bed height: 850 - 900 mm (33" - 35")

Variations of specification available on request.

*Technical data subject to change without prior notice. The data may vary according to the specific design of the line. Please contact us if you need any further information.
(Opti-Feed 3000 & Opti-Feed 6000)



System TM A/S

Skovdalsvej 35
PO Box 249
DK-8300 Odder
Denmark
Phone +45 86 54 33 55
Fax +45 86 54 32 19
tm@systemtm.com
www.systemtm.com



◀ optimization of staff and wood resources...