

# Pass-product family by Passimo Oy

A high-quality partner for improving  
production efficiency and ecology



Equipment for wood processing  
[www.passimo.com](http://www.passimo.com)

# PASSTrimmer®

## TRIMMING UNIT FOR SAWN TIMBER



- » Robust high quality trimmer for exactly straight cutting of sawn timber
- » Cutting with circular saw blades
- » Distance between two adjacent sawblades always exactly 300 mm
- » One blade motor for two adjacent saw blades
- » Cutting depth 125 mm with 450 mm blade diameter
- » Max. capacity 140 pcs/min
- » Trimming ends fall onto trimming end conveyor below
- » Heavy-duty frame reduces noise and keeps cutting units in good condition
- » References:
  - Westas Pihlava Oy, Finland
  - JPJ-Wood Oy, Finland
  - FM Timber Oy, Finland
  - Iisveden Metsä Oy, Finland

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# PassFeeder®

## FEEDER FOR SAWN TIMBER



- » PassFeeder is our new innovative system for feeding all kinds of sawn goods, as well green and dried, to production line
- » Capacity 150 pcs / min
- » Can easily be installed also to lines made by other manufacturers to replace old feeder
- » Feeding of piece takes place with an electromechanical clamp device
- » References:
  - **Haapaveden HaSa Oy, Finland:** Passfeeder feeds sawn goods one by one between carriers of trimming table of green sorting plant after they have been sawn in saw line. Passfeeder was delivered as a part of R200 line by Passimo Oy in 2022.
  - **FM-Timber Oy, Finland:** Passfeeder feeds dried sawn goods coming from discharging lift or green sawn goods coming from saw line between carriers of trimming table of combi plant. Passfeeder was delivered as a part of modernization project of combi plant by Passimo Oy in 2023.

# PassLogfeeder®

STEPFEEDER FOR LOGS



» High-quality PassLogfeeder is carefully designed and optimized machine unit for hard use

» Capacity 50 logs / min

» References:

- **Haapaveden HaSa Oy, Finland:** Passlogfeeder feeds logs coming from log table one by one between carriers of log end aligning table. Passlogfeeder was delivered as a part of R200 line by Passimo Oy in 2022.

- **Kohiwood Oy Ltd, Finland:** Passlogfeeder feeds logs coming from log table one by one between carriers of log end aligning table/grading conveyor. Passlogfeeder was delivered as part of log sorting plant by Passimo Oy in 2023.

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# PassCont®

## CONTAINER LOADERS



- » PassCont is made for smooth loading of containers without damaging loaded products
- » High-quality PassCont loaders are CE marked
- » Frame structure is made of strong profile steel
- » Adjustment of loading height with hydraulic cylinders
- » Pushing force 180 KN
- » Max. weight of load 35000 kg
- » Max load dimensions
  - Width 2350 mm
  - Height 2300 mm
  - Depth 12000 mm
- » Recerences:
  - **OY Adolf Lahti Yxpila Ab, Finland**
  - **Finnlamelli, Finland**
  - **Pölkky Oy, Finland**
  - **Finland Laminated Timber Ltd., Finland**

# PassDrop®

## HUMIDICATION SYSTEM



- » PassDrop humidification system with Danfoss high pressure pump
- » Passimo Oy is a distributor of Danfoss humidification systems
- » Optimal humidification increases productivity and ensures quality
- » PassDrop® is a high-pressure humidification system that uses cold water. In this way, optimal atomization is achieved throughout the process.
- » Evaporation during drying is crucial to avoid water getting into the wood being dried
- » Spraying the saw blades prevents the resin from sticking
  - » Better drying quality
  - » Minimized downtime of saw blades
  - » Better log flow when debarking
  - » Even air humidity in the premises
- » Recerences:
  - JPJ-Wood Oy, Korkeakoski, Finland
  - Iisveden Metsä Oy, Iisvesi, Finland
  - Oy Primapoli Ltd, Töysä, Finland

# PassDry®

## TIMBER KILN AND KILN EQUIPMENT



- » Passtimmer kilns controlled by a Windows-based system combine the experience brought by hundreds of manufactured units and the latest technology
- » The state inside the dryer is monitored in real time
- » Modern technology also saves energy, because only the necessary amount of heat and blowing is used in the process
- » Kiln equipment
  - Kiln doors
  - Transfer equipment for kiln loads
  - Actuators
  - Circumstance control
- » Technical information
  - humidification: hot/ cold water
  - bidirectional rotating air fans, H class, all aluminum construction
  - heat radiators: Cu/Al.
- » References:
  - **Södra Wood Ab, Hamina, Finland**
  - **Iisveden Metsä Oy, Iisvesi, Finland**
  - **Keitele Group, Keitele, Alajärvi, Finland**
  - **Kohiwood Oy, Soini, Finland**

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# PassLogsorting®

## LOG SORTING PLANT



- » Passimo Oy delivers plants from short log sorting to full trunk stations equipped with optimization and cutting, for both small and big capacity
- » Max capacity 50 pieces / minute
- » References:
  - **Kohiwood Oy Ltd, Finland:** Log sorting plant for small timber, delivered 2023, capacity ca. 50 logs/min, 60 pcs sorting bins of concrete.
  - **Partaharjun Puutarha Oy, Finland:** Log sorting plant for normal logs with debarker, 40 sorting bins, capacity ca. 25 logs/min, delivered 2011.
  - **Longmore Sawmill, South Africa:** Capacity ca. 25 logs/min, 34 bins of which twelve bins equipped with log catcher arms, delivered 2010.

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# PassChipscreen®



## CHIPSCREEN FOR SEPARATING CHIPS AND SAWDUST



- » 3 sorting levels on top of each other
- » Chips come from a conveyor onto the uppermost level of screen, from where the continuous rotating movement of screen drops the chips and sawdust through the holes of screen plate onto the next level and further onto the lowest level, from which the sawdust falls onto the bottom of screen.
- » Technical information: Screening area: 12m<sup>2</sup>, hole sizes: 42, 16 and 10mm, drive 7,5 kW short circuit motor
- » References:
  - **Haapaveden HaSa Oy, Finland:** Screening area 12 m<sup>2</sup>, 3 screening levels, delivered 2022 as a part of R200 line by Passimo Oy.
  - **Sahakuutio Oy, Finland:** Screening area 12 m<sup>2</sup>, 3 screening levels, delivered 2023.
  - **Latvijas Finieris, Latvia:** Screening area 12 m<sup>2</sup>, 3 screening levels, delivered 2018.

# PassService®

## SERVICE SYSTEM



- » Professional, reliable, flexible and right-time maintenance for equipment and lines delivered by Passimo Oy
- » Unforeseeable downtimes avoided with planned maintenance
- » Predictive maintenance, scheduled maintenance and corrective maintenance based on customer's needs

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