

**Machinespecification combi sorting 2022-06-13: 1554-1**

<b>Item 1-30</b>	Side conveyor - - Package 4th Chains 2100 smooth top L = 7.0 m. 3.0 kW electric motor
<b>Item 2-31</b>	Tilt Used at installation 1995 Incl. stand
<b>Item 3-35</b>	Side conveyor - Distribution flap 5 chains 2080 with smooth top L = 11.5 m + 1.7 m 3.0 kW electric motor
<b>Item 4-41</b>	Sticker belt Used at installation 1995 B = 300 with sticker drop Combined strap for litter and rubbish. Shooting done Sealing and collecting during distribution 1.5 kW electric motor
<b>Item 5-42</b>	Angle gear
<b>Item 6-43</b>	Sticker belt B = 300 mm 1.5 kW electric motor
<b>Item 7-45</b>	Sticker receiver Used at installation 1995 Elevator with carrier and loading part Litter hedge conveyor.
<b>Item 8-50</b>	Sticker Hedge conveyor for removal and intake
<b>Item 9-60</b>	Side conveyor - Storage / distribution 4th chains 21400 with smooth top L = 6.5 m 3.0 kW electric motor (Run continuously and step by step)
<b>Item 10-61</b>	Side conveyor 4 chains, with smooth top L = 16 m 4 kW electric motor (Run continuously and step by step)

<b>Item 11-70</b>	Side conveyor 4 chains with smooth top L = 16 m 4 kW electric motor
<b>Item 12-80</b>	Elevator 5 chains with separate carriers $c / c = 400$ mm. Nonfric coated sliding surfaces against wood and carriers. Variable speed 3.0 kW electric motor Frequency controlled Adapted for sleepers Unloading device for boards cylinder operated From the operator's desk
<b>Item 13-105</b>	Side conveyor - high-speed 6 chains 1 "with smooth top 2.2 kW electric motor One-piece feeders for varying widths 6 chains 1 "with smooth top 6 acceleration belts for safe timber transfer 1.1 kW electric motor
<b>Item 14-108</b>	Carrying table with end leveling roller conveyor 6 pcs chains 2100H. 6 rolls 133 x 700 mm Space for scanner or root cutter
<b>Item 15-109</b> A	Dimension meters Fabricate Limab In measuring range min 19 x 75 max 160 x 240 mm Clearance for sleepers on high edge (This unit is included in the Rema equipment)
<b>Item 16-109</b> B	Length measurement ramp in dm
<b>Item 17-110</b>	Timber turners of the type that work continuously with triangular inverter segment. The device allows the operator at the root cap can momentarily stop the turner without the hook conveyor stops. Recipients going up from below and dampens the impact from turned wood. (Slippers on a vertical edge must stop the conveyor)
<b>Item 18-118</b>	Point laser are included in the electronic equipment

- Item 19-121** Driven roller coaster  
6 driven rollers for position determination of wood for cutting.  
Operated from the console  
Reversible operation
- Item 20-125** Side conveyor with plastic carrier  
5 pcs chains with 50 mm pitch c / c carrier 600 mm  
Operation from the sorting conveyor  
Slippers are fed on every other carrier
- Item 21-190** Cut unit  
With soundproof hood  
4 kW electric motor  
Maximum cut height 170 mm
- Item 22-191** The transfer rollers with positioning unit  
Positioning in mm with actuators (Brand Almag standard)  
0.75 kW runway operation  
0.75 kW positioning motor. +/- 2.0 mm  
Positioning 0-299 mm
- Item 23-193** Trimmer  
Fully built-in and soundproof  
6 pcs drifters of 5.5 kW  
17 blades for 0.6 - 6.0 m  
Maximum cut height 170 mm  
Capacity 15 - 50 pcs - bits / min
- Item 24-194** Belt conveyor  
Width = 650 mm  
Length = 10,000 mm  
Trough profile specially reinforced at the bottom with 10 mm steel plate and  
10 mm foam rubber insert with experienced plating against timber. Dust-protected underside of suction hood at the turning end
- Item 25-195** Runway for return of leveling  
6 rolls diam 133 mm length 1500 mm  
Powered by the acceleration conveyor
- Item 26-220** Sorting conveyor with acceleration conveyor  
6 chains 1 "with smooth top  
2 chains with intermediate bars for 30 compartments  
(The basic construction with makes an extension to 50 compartments  
Operation from gear up is dimensioned)

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6 support hooks / boom  
Pneumatic clamping with pressure switch.  
Automatic stop for oblique pieces of wood during loading  
Variable speed 15 - 50 barriers / min  
18 kW electric motor  
Frequency controlled

**Item 27-240**

Lowering belt compartment  
30 tape compartments expandable to 50 pcs  
2.2 kW / compartment  
Timber length max 6.0 m

**Item 28-301**

Bottom conveyor with 4th chains  
L = about 40 m  
Chains and wheels 2100 roller chain  
Reversible  
5.5 kW electric motor

**Item 29-305**

Bundle resolution elevator with 5 chains  
L = about 6.0 m  
Chains and wheels 2100 roller chain  
Reversible  
3.0 kW electric motor

**Item 30-306**

Bundle resolution elevator with 5 chains  
Chains and wheels Lingbo A 5.5 t x 50 mm  
Separate carriers  
Unloading device for cylinders boards  
maneuvered.  
3.0 kW electric motor

**Item 31-307**

One-piece feeding timber elevator with 5 chains  
Chains and wheels Lingbo A 5.5 t x 50 mm  
Separate carriers  
Unloading device for boards  
Frequency controlled  
3.0 kW electric motor

**Item 32-311**

Side conveyor - high-speed  
6 chains 1 "with smooth top  
2.2 kW electric motor

**Item 33-312**

One-piece feeder  
6 chains with smooth top  
6 acceleration belts for safe transmission in  
carrier table 2.2 kW electric motor

<b>Item 34-313</b>	<p>Carrying table for single or double straight ends            7 chains 2080 with plastic carrier c / c 400 mm            Variable speed 20 - 70 carriers / min            2.2 kW electric motor            6 pcs rolls diam 159 length 800 mm            6 pcs rolls diam 133 length 1500 mm            1.1 kW electric motor            Foldable end stop at 5,800 mm so that 6,000 mm            Timber length can be driven            (2-speed motor for edge erection of sleepers then            max 10 - 15 pieces of wood / min)</p>
<b>Item 35-320</b>	<p>Edge lifter            Device as edge sets sleepers            (Requires some monitoring)</p>
<b>Item 36-321</b>	<p>Sticker machine extra reinforced for sleepers.            For strewn packages 1500 x 1500 x 5800 with            double smooth ends.            Slippers maximum length 6000 mm            Swivel            6 lift arms            Hydraulic operation            Max package weight 6000 kg</p>
<b>Item 37-322</b>	<p>Sticker cassettes - hydraulic / pneumatic with stop            Stickers dimension 22x50, 25x50 Length 1500 mm            Number 5</p>
<b>Pos 38-340</b>	<p>Packet roller-conveyor fixed.            Rolls diam 159 x 1600 mm            Operation with 1 "standard roller chains            1.5 kW electric motor            (Runway used during installation 1995)</p>
<b>Pos 39-345</b>	<p>Packet press is not included in the basic design</p>
<b>Pos 40-346</b>	<p>Packet roller-conveyor            adjustable height            Rolls diam 159 mm length 1600 mm            Operation with 1 "standard roller chains 1"            1.5 kW electric motor            (The runway was used during the installation in 1995)</p>

- Item 41-351** Side conveyor for 4th package with forklift automatic
- Item 42** Apparatus cabinets, desks and all associated cabling
- Item 43** Measuring and control system 9050 for combination sorting with 30 compartments expandable to 60 compartments.  
1 electronics cabinet with hardware and software for
- Control of one-piece feeder and operator location
  - Length measurement in dm module and advance of the measured values to the operator location.
  - 1 Rema control chair with roller ball, push buttons for quality and cutting
  - Program type Ergokap for marker lights at the top  
Program showing the longest fixed length of sleepers: at moving of highlight light is shown only possible fixed lengths.
  - Program for receiving alarms on registered varieties when Entered number / volume / run length has been reached.
  - Non-contact width-thickness measurement see item 15  
Control of a movable stop 0-299 mm  
Control of full trimmer max. 20 variable with  
19 Control sensor.  
Control and compartmentalization of 30 compartments  
Lowering / emptying of 30 belt compartments on the underlying carrier.
  - Operating report
  - Trade union registration and printing of package specifications  
Control of the underlying conveyor
  - 1 Marker light
  - 2 pcs Printers for operation report resp. packet specification
  - 2 Monitor terminals, above and below
  - 2 encoders
  - Cable set between units supplied by Rema.