



SYSTEM HALL

INCREASING EFFICIENCY IN THE WOOD INDUSTRY

LFC250

Line for construction 250

LFC250 is developed to run construction wood with simple and reliable machine units at a high speed with a low downtime. The overall philosophy of the line is to have a production facility that has a good efficiency and easy maintenance. The whole line is tuned and operated by touch panels that makes it easy for the operator to change timings and speeds on the line with savable recipes for your different products.

With this concept we provide different addons (options) that can be suitable for your business. We also offer you an option to sort out the material on different stackers without effecting the capacity of the line. The line can also be fitted with ink marking unit, From the side, the top or even both.

Can't find an option that suits your company? Feel free to contact us.

Even though it's designed to handle construction wood you can also use it for regular four side planing for example decking.



Technical

Line for construction wood

Pieces per minute: 60p/m Max moulder speed 250 m/min

Length: 1,8 – 6 m

Max width: 245 mm

Min width: Before moulder 70 mm. after moulder 45 mm

Max thickness: 100 mm

Min thickness: 16 mm

Packet size (infeed): 1,2 x 1,2 m












Packet size (outfeed): 1,2 x 1,2 m

Max pack weight: 4000 kg

Color frame: RAL 1015

Color moving parts: RAL 2004

LFC 250 capacity figures

PROFILE	PRODUCT	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	SPEED MOULDER (max 250 m)	PIECES/MIN (max 60)	M3/HOUR
	Construction	45	45	3	180	60	20
				4,2	250	60	27
				6	250	42	27
	Construction	45	70	3	180	60	31
				4,2	250	60	43
				6	250	42	43
	Construction	45	95	3	180	60	42
				4,2	250	60	58
				6	250	42	58
	Construction	45	120	3	180	60	52
				4,2	250	60	73
				6	250	42	73
	Construction	45	145	3	180	60	63
				4,2	250	60	88
				6	250	42	88
	Construction	45	170	3	180	60	74
				4,2	250	60	103
				6	250	42	103
	Construction	45	195	3	160	53	76
				4,2	220	52	104
				6	250	42	118
	Construction	45	220	3	135	45	72
				4,2	190	45	102
				6	250	42	134
	Decking	22	95	3	180	60	20
				4,2	250	60	28
				6	250	42	28
	Decking	28	120	3	180	60	33
				4,2	250	60	45
				6	250	42	45
	Decking	28	145	3	180	60	39
				4,2	250	60	55
				6	250	42	55

Sideview infeed

100. Buffer transport

Two buffer slots for packs and one slot where the pack gets fed in to the line.

101. Pack tilt

Lifts the pack and tilts it so that each layer falls down to the receiving conveyor the sticks falls down simultaneously to the stick conveyor below.

102. Down fall conveyor for sticks

Receives the sticks and transports them to a container or optional to a stick handling system.

103. Receiving conveyor

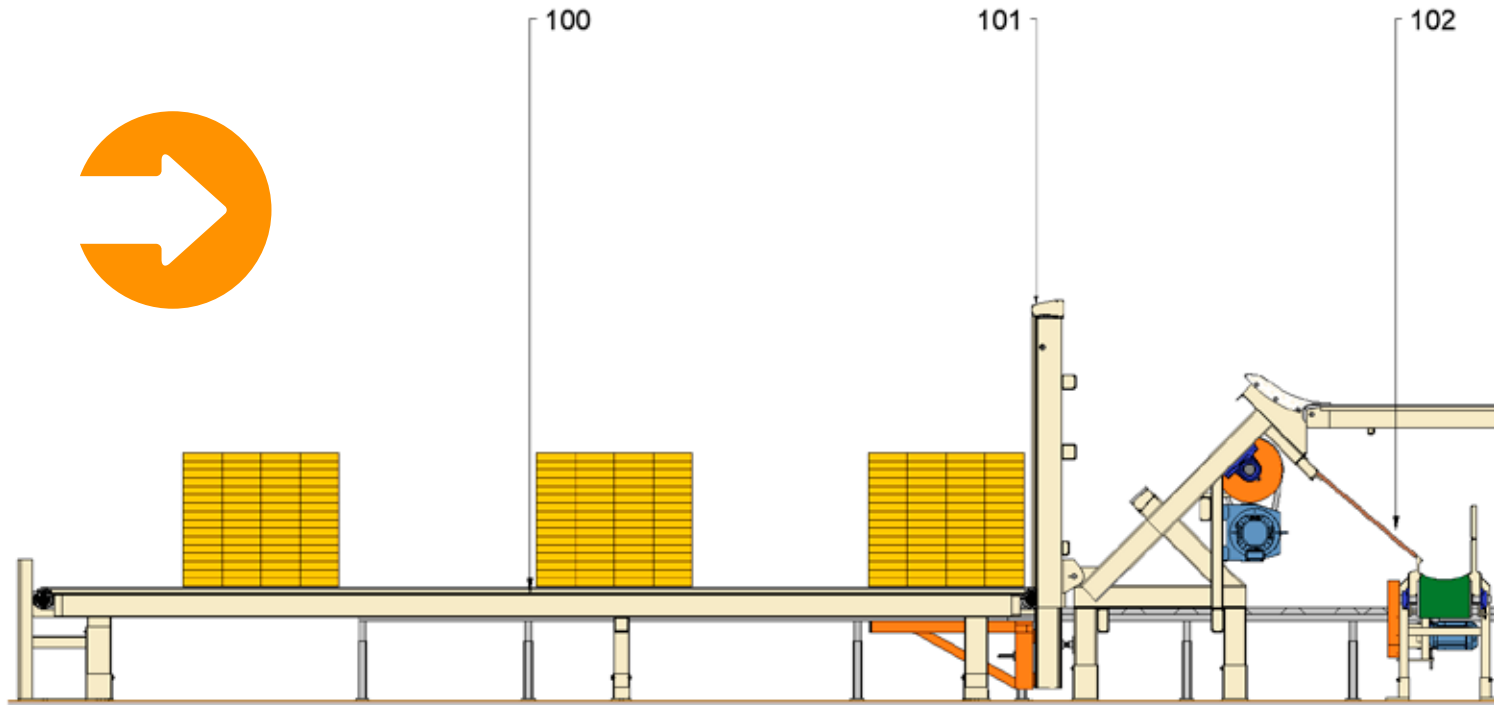
Receives the layer from the pack tilt and transports it to the elevator unit.

104. Elevator unit

Lifts the pieces one by one up to the buffer conveyor.

105. Buffer conveyor

Area for visual inspection.



106. Piece picker

Holds the piece so that the cup measuring unit can determine the cup and then sends it away one by one.

107. Cup measurement

Measures what position the cup has and tells the turner if it should turn the piece or not.

108. Pneumatic turner

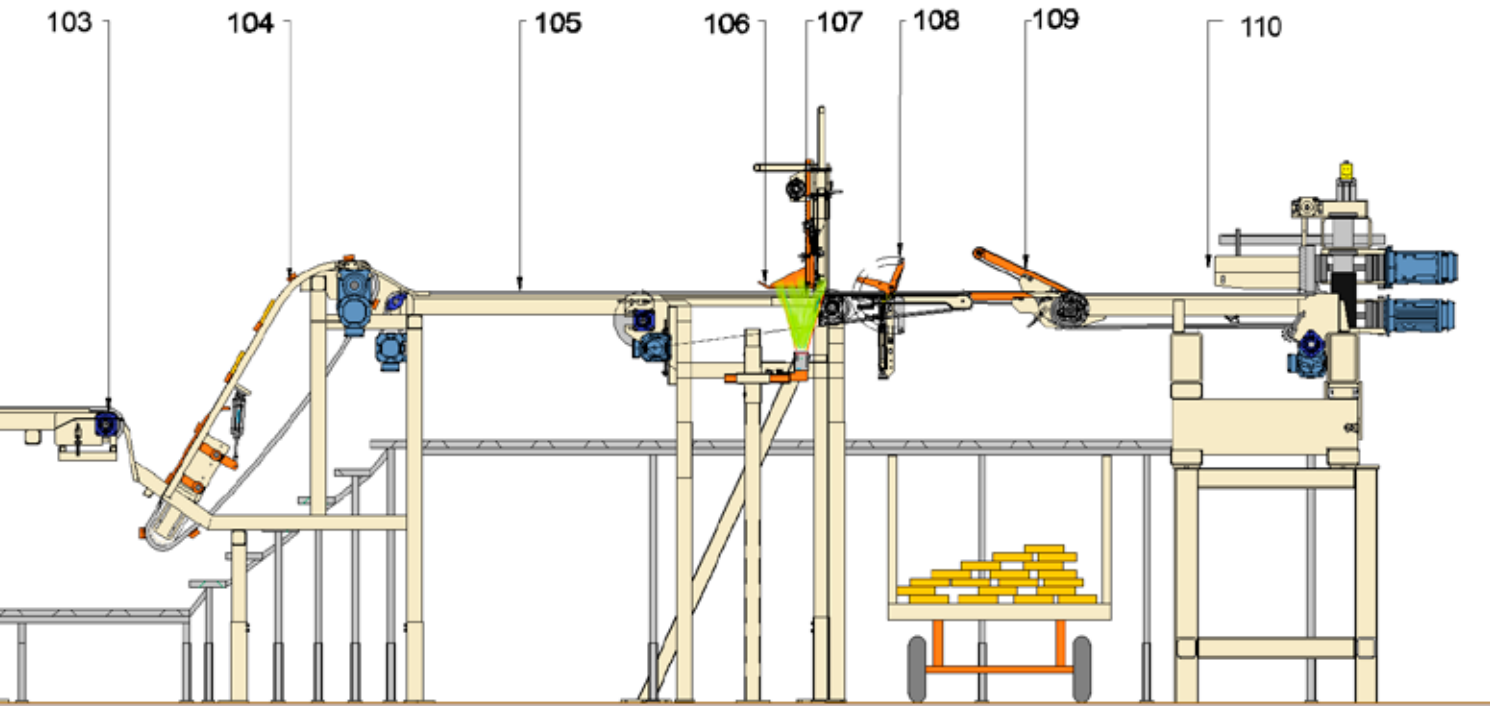
Turns the pieces to the right side for mouldering.

109. Reject gate

Opens on the operators command to reject any pieces that is not suitable for moulding.

110. Infeeding unit

Grips the pieces one by one and sends them to the moulder.



Sideview outfeed

302. Side delivery

Designed to make the board shift direction with high efficiency.

303. Piece picker

Send pieces away one by one so that the wing turner can turn the pieces.

304. Wing turner

Turns the pieces in a motion that makes it easy for the operator inspect them.

305. Dog chain

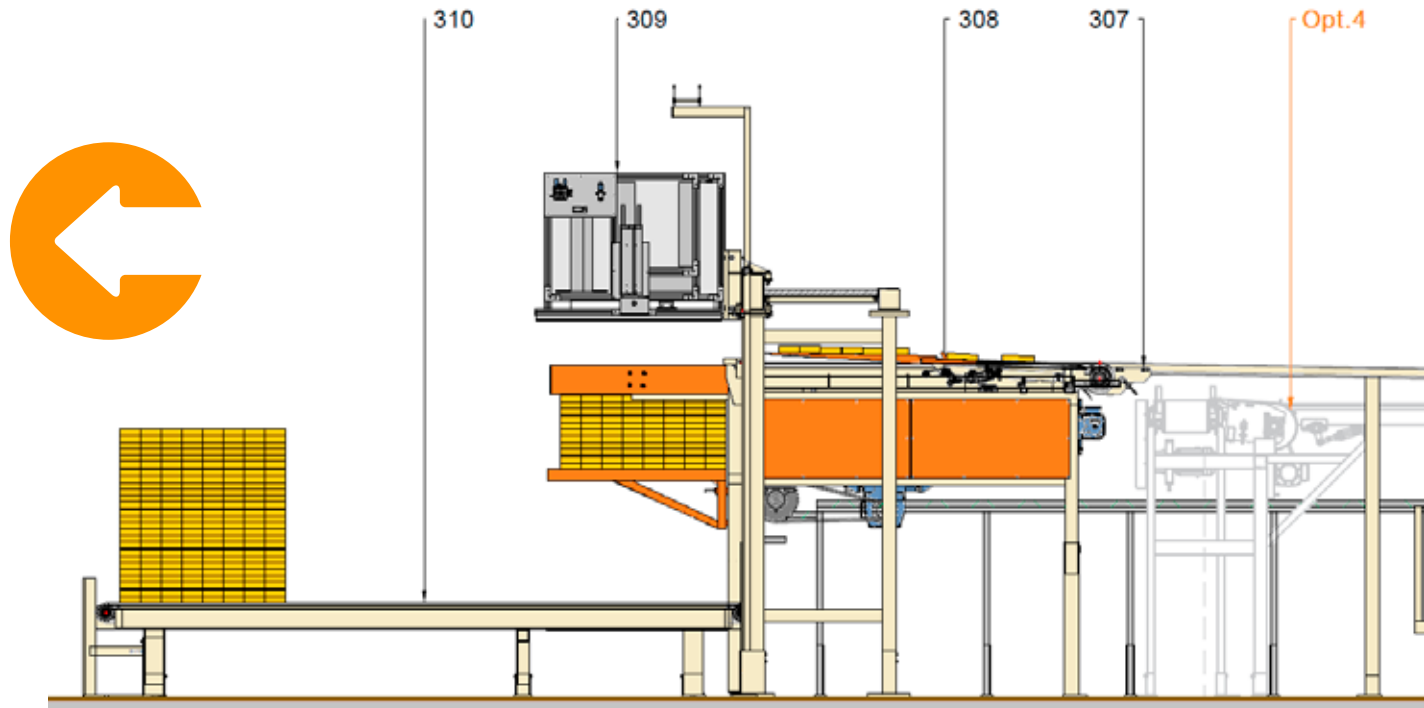
Transport with dogs, here you can add different options suitable for your production needs.

306. Reject gate

Depending on the options you have in the line this gate is multifunctional.

307. Side conveyor

Transports the pieces to the automatic stacker.



308. Automatic stacker

Fully automatic stacking unit with even end adjuster that keeps the packs even.

309. Automatic stick dispensers

This unit dispenses the sticks automatically, the distances between sticks is set manually.

310. Buffer transport

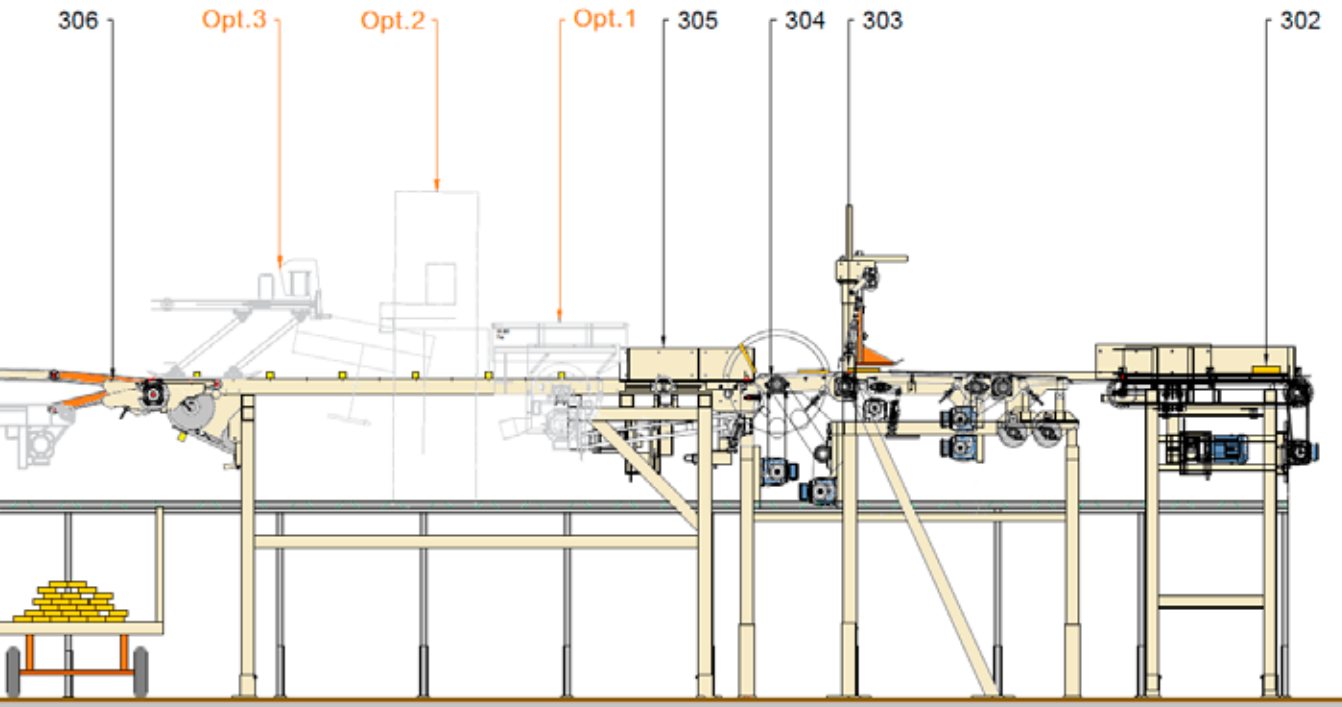
One buffer slot for pack and one slot where the stacker builds the pack.

Option 1: End trim saw before knocking unit (recommended)

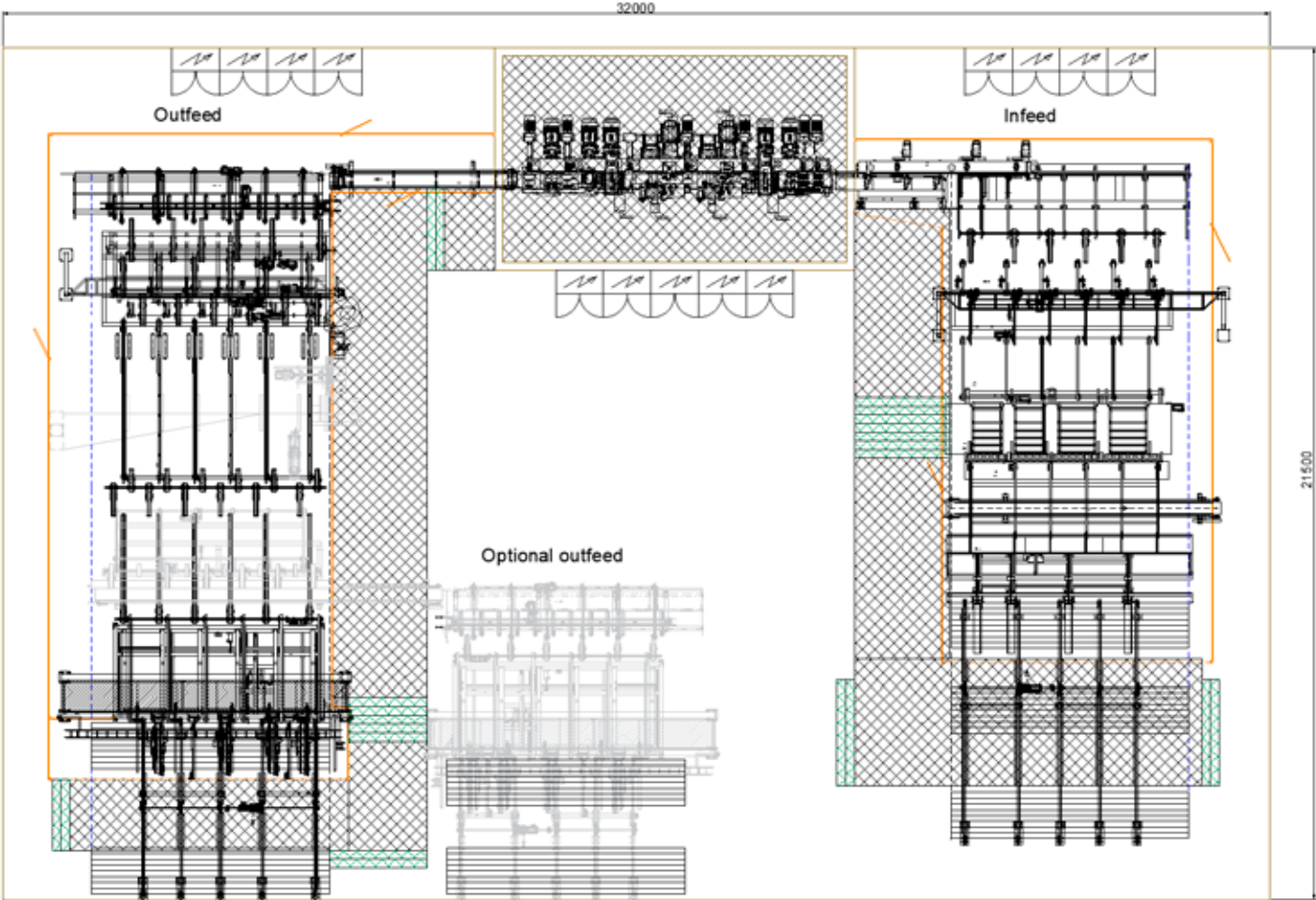
Option 2: Knocking unit

Option 3: Marking units

Option 4: Transport when having two stackers option



Overview line-setup



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