

LSP SURFACE STRUCTURING LINE

v1

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The LSP surface structuring line serves to structure the surfaces of wood and wood derivative elements for the purpose of achieving a fashionable effect of rustic wood - aged wood.

Elements for surface structuring are supplied to the loading conveyor and are then transported by a roller conveyor to the loading device unit. During the first stage, elements are placed on a hydraulic conveyor equipped with a driven roller track. An automatic gripping device equipped with suction cups removes panels from the conveyor and places them on the roller conveyor. When a panel is removed, the lift is automatically raised by the thickness of the panel that was removed. From the roller conveyor, elements travel to the structuring module, which gives the surface the required appearance. After the conclusion of the process, elements are supplied to the stacker, which stacks panels in a pile on a hydraulic lift equipped with a driven roller conveyor, which is automatically lowered as panels are stacked. After it is stacked, the pile is transported to the receiving conveyor.



Loading conveyor



Loading device unit



Stacker



Receiving conveyor

TECHNICAL AND OPERATIONAL DATA:

Parameters of the processed element:		
width	mm	max 1300
length	mm	max 3000
- thickness	mm	6 – 50 Wt%
Working height	mm	900
Speed of transport units	m/min	5 - 15
Spindle rotational speed	rpm	500 - 1500
Spindle rotation		clockwise - counterclockwise
Maximum compressed air operating pressure	MPa	0.6
Engine power	kW	70
Electrical supply	V AC	3x400 + PE – 50Hz
Control voltage	V DC	24
Noise levels	dBA	75

Parameters of the LSP surface structuring line are adapted to each customer's individual needs.