

PWDP STRAIGHT-THROUGH DRILLING MACHINE FOR FLOORBOARD

v1

2016/09/06

PWDP straight-through drilling machine for floorboard is a device used to perform blind holes in the floorboard.

The device is constructed from two steel bodies, lower and upper, which have been combined/bonded to each other with bolts. The working unit of the device is three special boring heads. Each head is equipped with ten spindles. Working tools are put in the rotary movement by three electric motors. The vertical to-and-fro motion of drilling heads is executed by using the pneumatic actuator. Trolley driving stability of spindles provides the linear guides.

The floorboard is initially placed by the operator on the input conveyor and then based. Drilling machine moves the machined floorboard automatically through the drilling zone, making a to-and-fro motion in the horizontal plane, which is initiated by the pneumatic actuator. During the drilling and also travelling, the floorboard is positioned through a system of pneumatic clamps and grips to ensure a certain conducting and mounting, what affects the proper execution of the duty cycle.



Pictorial view of straight-through drilling machine for floorboard

TECHNICAL-OPERATIONAL DATA:

Number of heads	pcs	3
Number of spindles	pcs	3 x 10
The diameter of the opening	mm	Ø 24
Depth of the opening	mm	13
Hole spacing	mm	32
Element thickness max	mm	32
Working width max	mm	350
Length min/max	mm	1000/6000
Working level	mm	900 mm
Working speed of tools	rpm	2800 +/- 25%
Installed power	KW	3x3
Operating voltage	V AC	3x400/50Hz
Control voltage	V DC	24
The air pressure in the installation/system	MPa	0.6
Length / width / height	mm	750 / 1677 / 6720
Weight of the unit	Kg	500