

EHSW1228C SIX-SIDED DRILLING MACHINE



DESCRIPTION

Equipped with an automatic tool change structure, this six-sided drilling machine can realize compound processes such as lamello, side light groove, and three-in-one through its unique tool change. The double-drilling blocks $\geq 64\text{m}$ sync together, a unique advantage, greatly improving the drilling efficiency and double-drilling bay to sync at the same rate. It is fitted with a double clamp reducer transmission enabling high transmission precision and accurate positioning. With a one-piece bed, this piece has a good retention for machining accuracy.

KEY FEATURES

- Six-sided drilling machine with bridge structure processing six sides in a single cycle.
- Double adjustable grippers hold the work piece firmly.
- Air table reduces friction and protects the delicate surface.
- The head is configured with vertical drill bits, horizontal drill bits, saws and spindle so the machine is able to perform multiple jobs.

STANDARD CONFIGURATIONS

Traveling Size	5300*1750*150
Max Panel Dimensions	2800*1200*50
Min Panel Dimensions	70*30*10
Workpiece Transport	Air Flotation Table
Workpiece Hold-Down	Clamps 2 pcs
Traveling Speed	80/130/30m/min
Spindle Power	Top: EXCITECH 6KW ATC + 7-slot tool changer; Bottom: EXCITECH 3.5KW MTC
Drill Bank Config.	Top: 2 x EXCITECH: 12V+4(H)-- 2 sets Bottom: EXCITECH: V9-1 set
Auto linear tool changer	7-slot auto linear tool changer
Inverter	INOVANCE
Driving System	INOVANCE
Infeed of panels	Manually
Software	EXCITECH
Controller	EXCITECH controller

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EXCITECH Top drill unit-12(V)+4(H) with saw blade x 2 SETS



EXCITECH Bottom drill unit-V9



High efficiency EXCITECH 6KW ATC spindle with ISO inter-face, 18000rpm



Bottom spindle: EXCITECH 3.5kw MTC spindles for grooving



U shaped grippers are automatically positioned to accommodate different sized work pieces. Coordinating with CAM software reducing the clamping times



Pull-out table supports the flat moving table to ensure the processing precision



Grooving from top and bottom synchronously to improve the grooving efficiency



Double rail transmission side alignment realizes the precise positioning



Automatic tool-change structure - 7 slot tool changer, can work with some special processing technologies, such as light trough grooving, Lamello & Modeez wood connecting elements processing

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Japan SMC pneumatic parts
Smart scanner helps
fast producing
precision helical rack pinion



Automatic lubrication
Heavy load plugs enable easy
installation and maintenance



Innovance reliable
inverter driver & motor



Movable EXCITECH
controller with our own
EX-CITECH 5D software.
Optimized CAM algorithm
can deal with the
programs much better.



Outfeed can be set for either
front end or rear end



Clamper beam, the bottom
beam as well as the machine
frame are processed into
one, which can keep the
higher precision retention.



Option: Return conveyor
to achieve infeed and
outfeed at the same time
one operator, saving labor