

## E3-1836 FULL AUTOMATIC CELL WITH PRE-LABELLING



### DESCRIPTION

A highly automated nesting solution equipped with pre labelling and automatic loading and unloading. This allows for the complete work cycle of labelling, loading, nesting, drilling and unloading being carried out automatically, resulting in maximum productivity and absolutely zero down time. This machine consists of world class components; 9kw ATC high-frequency electro spindle, controller system and drill bank, Highest quality helical rack and pinion drives, Japanese self-lubricating and dust-proof square linear guides and high precision planetary gear reducers. With a vectorial speed of over 85m/min, This is a truly versatile labelling, nesting, routing, vertical drilling and engraving machine all in one. It is well-suited for panel furniture, office furniture, cabinets production.

### KEY FEATURES

- Mainly used for cutting, grooving, drilling, and milling at one time, the process won't stop during tool changing.
- High-performance machine with extraordinary value.
- Easy to operate with high production efficiency.

## STANDARD CONFIGURATIONS

Model	E3 - 1836 nesting with auto pre-labelling
Traveling size	3650*1850*200mm
Working size	3600*1820*50mm (max infeed height 50mm)
Table size	3650*1820mm
Transmission	X/Y rack and pinion drive, Z ball screw drive
Table	Double Layer Vacuum Table
Spindle	9KW SI EXCITECH air cooling spindle ISO coupling with dust cover 200mm diameter
Drill bank	EXCITECH 9 VERTICLE drill bank
Protection cover	Protection covers around spindle and drill bank
Air conditioner	Air conditioner for electrical cabinet
Light barrier	1 pair of light barriers
Traveling speed	Traverse speed 80m/min
Pressing roller	pressing roller for helping hold small panels
Tool magazine	Carousel with 16-slot Stepper
Software	Exclusive, to be prepared by buyers
Controller	NC Studio controller -Separate type +Lenovo computer 21.5 inches with touch screen
Positioning	Pop up pins+ positioning rails auto board width setting on the infeed
Ability -split apart	Machines can be split apart. Customer can buy the 1836 CNC ONLY and not the loading and unloading, then order just the load and unload later
Driving system	INOVANCE Drivers
Pump	2 sets, 5.5KW pump Eurovac
Dust extractor	Exclusive, to be prepared by buyers
Voltage	3P 415V 50HZ

## KEY FEATURES E3-1836 FULL AUTOMATIC CELL WITH PRE-LABELLING



EXCITECH high quality 9KW S1 air cooling spindle, EXCITECH 5+4 vertical drill bank



WEIHONG NC Studio controller, Friendly and reliable 21.5" Touch screen



Smart pop-up pins and rails for panel positioning both for X & Y axis, controlled by foot pedal



1 set Light barrier for safety protection with full cell



2 x 5.5kw pumps with strong suction capacity, holding the panels firmly during processing, no movement, no waste of panels



High quality linear guide and helical rack and pinion ensuring quiet movement



Carousel 16-slot, stepper motor, fast and efficient in tool changing.



Smart pusher under gantry for easy unloading, helping save labour. Auto loading suction cups standard



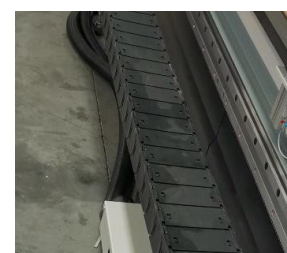
Golden type auto tool calibrator



Pressing roller for helping hold small panels



Auto lubrication pump



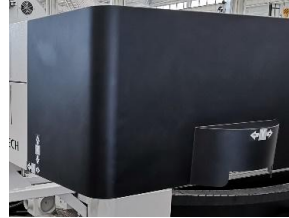
Flexible cables. Wear resistant, Heat resistance, long life span Sealed chain for dust proof

## KEY FEATURES

### E3-1836 FULL AUTOMATIC CELL WITH PRE-LABELLING



Auto pre-labelling unit saves labour and is more efficient.



Protection covers for spindle and drill bank.



Air conditioner for electrical components cooling down.