

# APEX 1836

## 3 AXIS CNC



## DESIGN FEATURES

### HIGH PERFORMANCE

High performance machining centre incorporating Italian technology.

### LONG LASTING

Heavy duty machine frame with high accuracy ensures long lasting and stable running.

### SOFTWARE

Open software docking, and perfectly compatible with the diversified CV data format.

### EASY TO LEARN

Easy to learn and operate with rapid routing, drilling, and grooving.

### APPLICATIONS

Widely used in the kitchen, furniture, sign writing, plastics, boat building, and aluminium industries.

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**Innovation.  
Automation.  
Satisfaction.**

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## FEATURES

The APEX is a high-quality CNC machining centre with 3 controlled axes, equipped with a matrix table adapted to a variety of flexible working processes such as quick nesting, drilling, grooving, milling function. The APEX comes in multiple sizes for any work size requirements.

**QUICK NESTING**  
**DRILLING**  
**GROOVING**  
**MILLING**



# FEATURES



## Osai CNC Control

High quality reliable Italian controller. Easy to customise interface and fitted with internet remote assistance for ease of support.



## Hiwin Slideways

High quality precision guides which give high rigidity, long longevity and smooth motion in all axis.



## Router + Boring Head

Vertically mounted 9kW (larger on request), 24,000RPM electro spindle as well as a vertical drilling head with 9 independent mandrels spanning both X and Y axes.



## Matrix Table

Grooved multifunctional working table to hold both large and small work pieces.



## High Precision Drivers

High precision absolute encoder servo motors with high precision gearboxes for high speed and positional precision.

# OPTIONAL FEATURES



## Belt Outfeed Conveyor

The motorised outfeed conveyor allows the easy unloading of machined panels away from the work table of the machine.



## Automatic Loading

The automatic scissor-lift table loads sheets of material onto the CNC Router which are then fed into the router for processing.



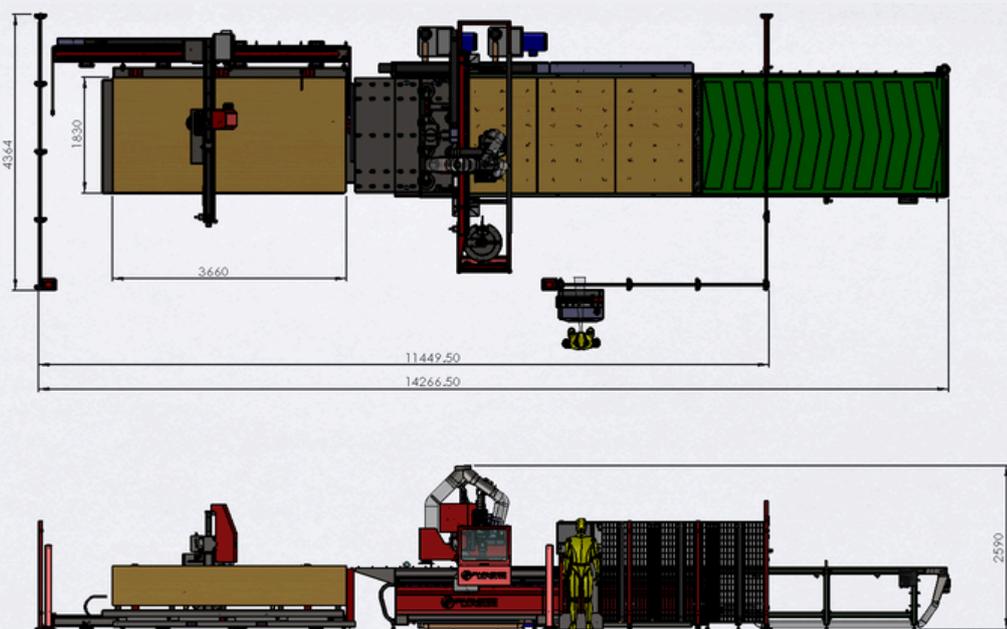
## Automatic Load/Label Printer

Allows the loading of a stack of panels with the forklift, as well as provide panel labelling with an on-board printer.

# TECHNICAL SPECIFICATIONS

Technical Specifications	Metric
Maximum work size:	1800x3600mm
Spindle Power:	9kW (11kW on request)
Spindle Max RPM:	24,000
Drill bank:	9 drills (larger on request)
Z axis stroke:	280mm
5 Vacuum zones	Yes
Automatic tool height sensor	Yes
Dust hood connection:	200mm
Weight:	Approx 4,000kg
Max X-Y Travel Speed:	76 m/minute
16 position rotary tool changer	Yes
Osai controller	Yes
Hiwin linear rails	Yes
Digital Inovance servo system	Yes
Delta spindle inverter	Yes
Vacuum pump:	2x 250m <sup>3</sup> /h
Voltage:	415V, 50Hz, 3 phase plus neutral
Optional:	Printer/Labeller Unload belt table Auto loader and lifter

# TECHNICAL DRAWING



## **We Know That Support Is Important To You**

Buying a new machine is a big commitment for anyone and continued support throughout the life of that machine is vital.

Being a local company, Farnese carry a vast array of parts locally to ensure that your machine always has the spares it needs. Enjoy peace of mind knowing that you'll be fully supported by Farnese and we'll always have you covered.

Farnese customers don't need to experience unnecessary machinery downtime waiting for remote assistance from other countries, as all the support and remote assistance is provided locally from our own qualified Technicians.

Our mission here at Farnese is to give you the best support in the industry. As we grow, we continue to recruit more and more qualified technicians to further strengthen our position in the Stone Industry.



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