

**VECTOR**



*REVOLUTION 180*

## REVOLUTION 180



The **VECTOR Revolution 180** contour edgebander has had immediate success in the market due to the simplicity and effectiveness of its revolutionary operating system.

The patented Revolution process is controlled by a PLC with a simple and intuitive color interface.

No complex programming, no time consuming set up and no issues of interfacing with existing machining centers.

### All these possibilities...

The unique combination of **VECTOR Revolution 180** operating system, flat bed and pendulum loading capability means that short runs and changing product shapes and sizes has never been quicker or easier.

The PLC enables common settings for product types (such as adjustment of the joint, glue temperatures, start and park positions) to be saved.



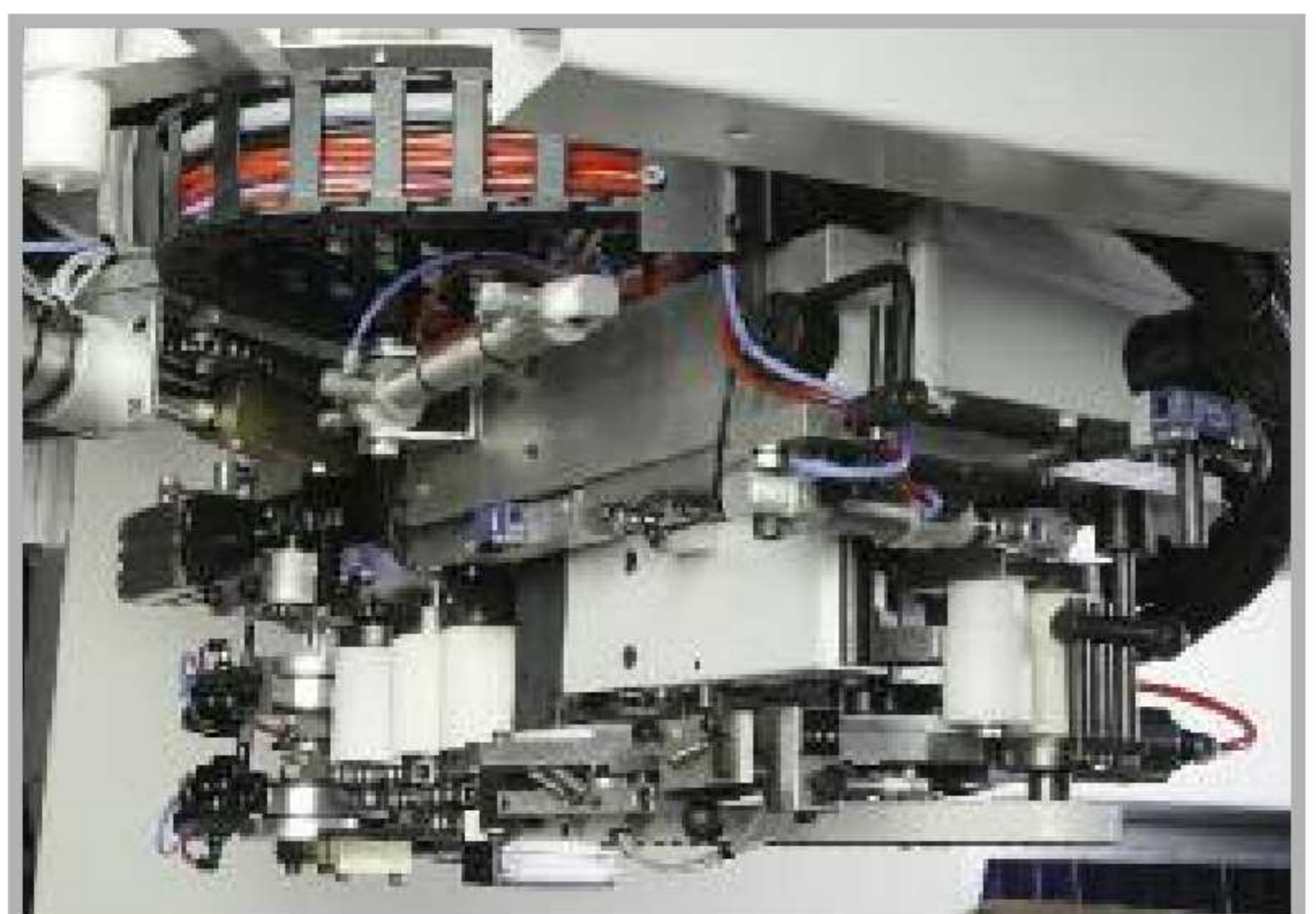


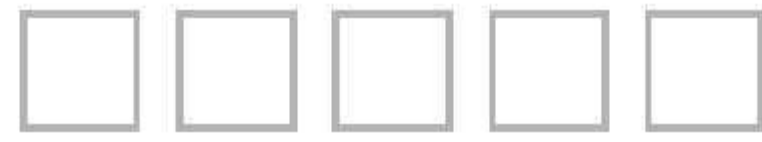
The **VECTOR Revolution 180** is the first Contour Edgebander to adopt 'Simultaneous Processing' where all functions are performed simultaneously rather than sequentially.

No other machine offers the **quality, capacity, speed and return on investment.**

The patented **Sidewinder trimmer unit** enables the edgeband to be trimmed in the same pass as the gluing and edgeband application.

The end-of-edgeband sensor mechanism precisely measures the edgeband position enabling a tight and consistent joint for closed panels.





The **VECTOR Revolution 180** uses a cartridge and nozzle glue system which precisely controls the glue onto the edgeband (matching the width of the board) so the off-cut top and bottom is free of glue for perfect trimming. The five standard board widths are factory set meaning changing panel thickness is a simple tool-free setting with no fine adjustment required.

A wiper blade cleans the nozzle prior to each cycle ensuring the leading edge of the edgeband is free of glue ensuring high quality butt joints.

The glue system uses cartridges and combined with the easy access to the nozzle area for cleaning, means reliable low maintenance performance.



Further enhancing the appeal of the **VECTOR Revolution 180** is its massive field size (3658mm, 12', Y = 1830mm, 6').

The large flat bed worktable enables easy positioning of the suction pods and workpiece. The machine is supplied with a combination of conventional vacuum pods as well as pods fitted with lifting pins.

Setup is simple with the start cycle position able to be saved either through a teach process or keying the panel position as read from table scale.

A start position and a park (or tandem) position are also created which moves the working head away from the workpiece at the completion of the cycle to facilitate easy removal and loading of the next panel.

With simple organization, it is possible to minimize the number of start position changes even when producing a wide variety of shapes.

The surface scraper continues the **VECTOR** philosophy of **Simultaneous Processing** and is mounted with the trimmer unit.

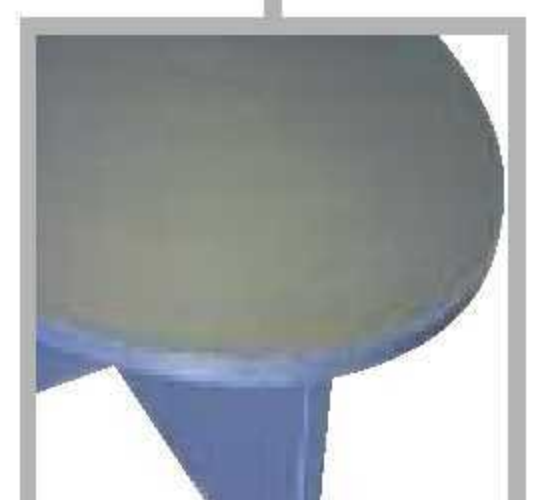
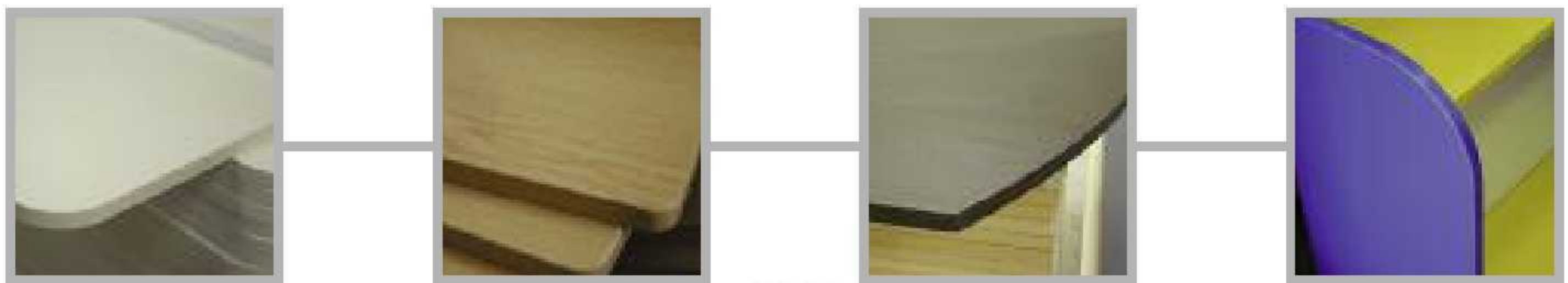
The flat blade scraper removes any surface glue as well as trimming excess caused by variation in panel flatness.

As with the trimming and glue units, the scraper can be turned on or off from the control panel.

Air blowers keep the knives clear of shavings.



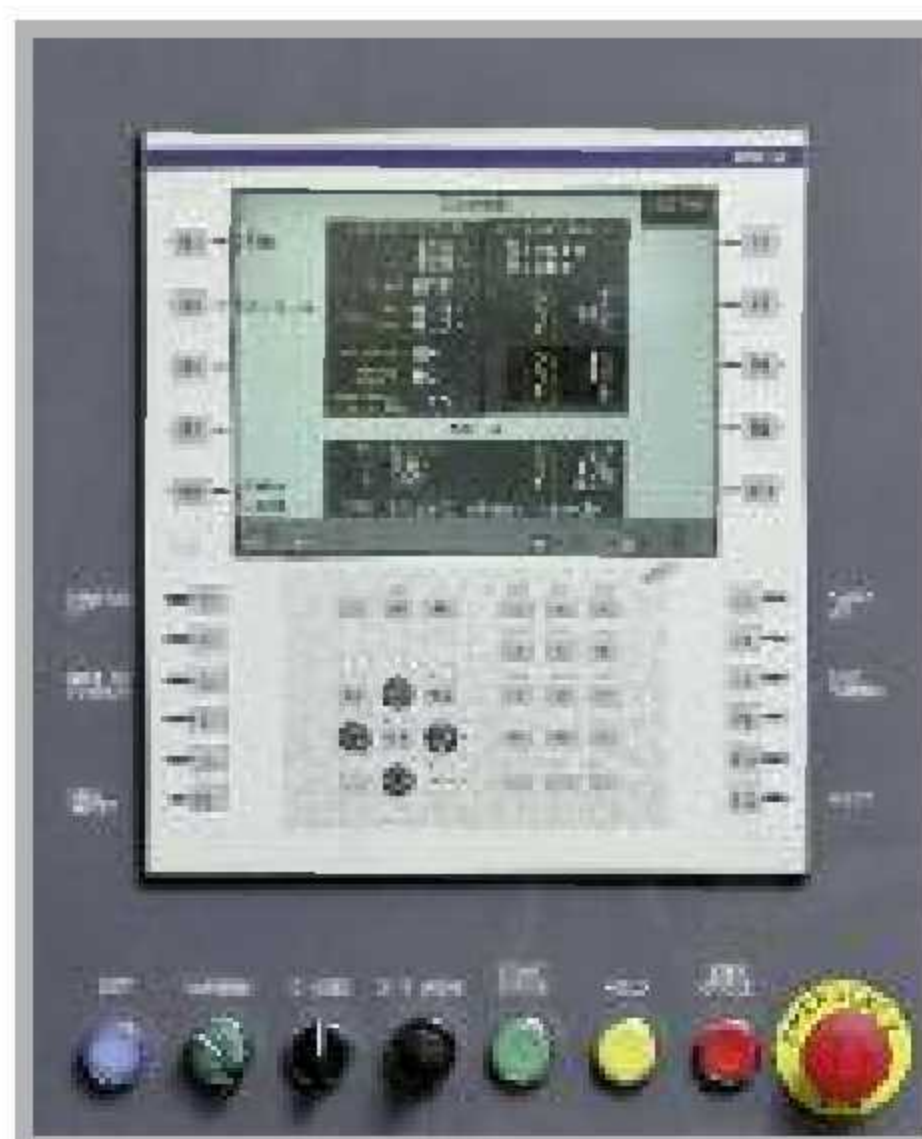
*REVOLUTION 180* All these possibilities...



The **VECTOR Revolution 180** complements existing CNC machining centers.

Thus the flexibility of the CNC is retained because, while the **VECTOR Revolution 180** is operating, the CNC continues to process panels.

The **VECTOR Revolution 180** concept is ideal because it fits easily with traditional component manufacturing methods as well as with Nested Based Manufacturing.



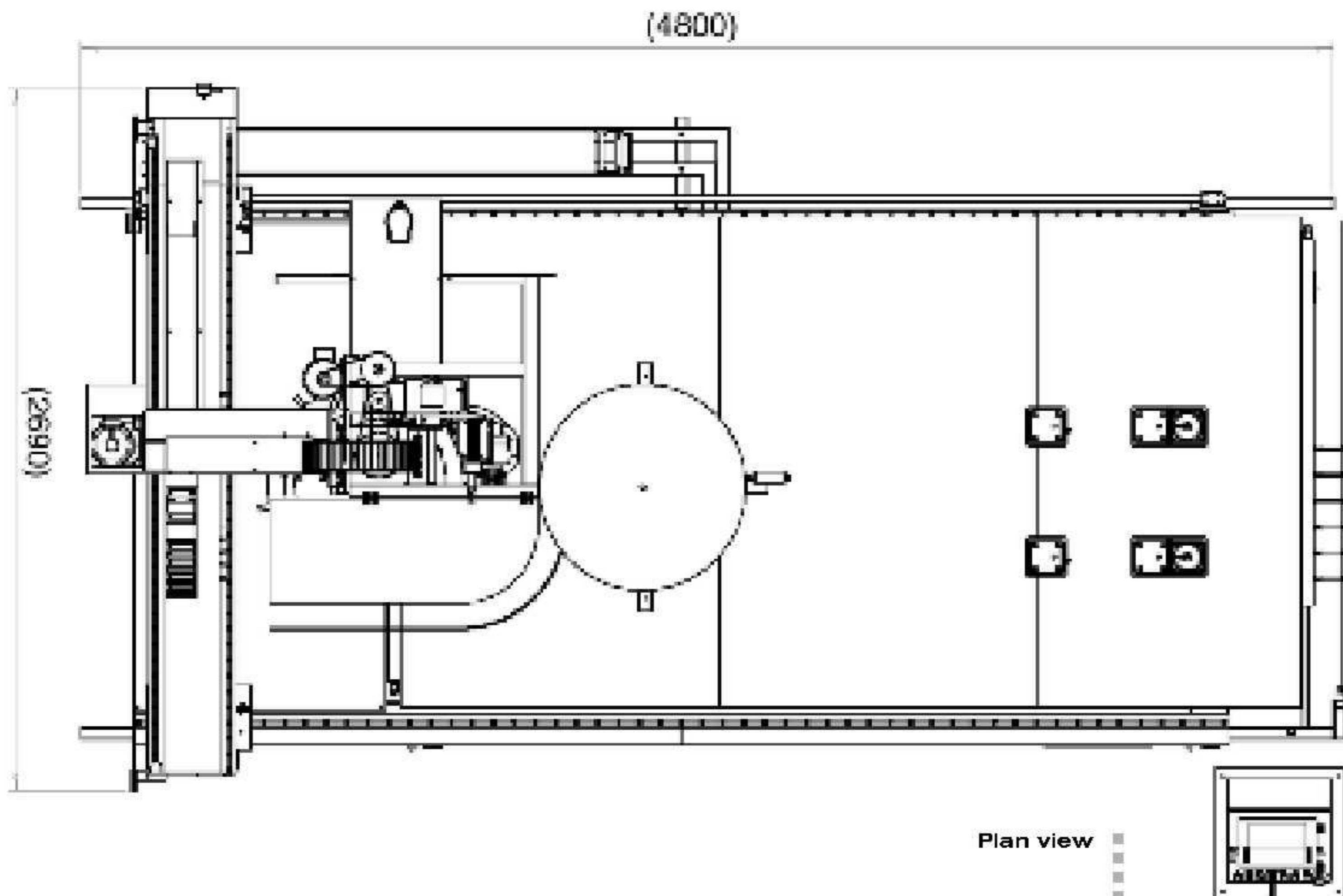
# Specifications

- Rigid machine frame ensuring long life and stability.
- Prismatic bearings for all axes.
- PLC control with color screen user interface.
- Patented **REVOLUTION** operating system.
- No programming required.
- Patented **SideWinder** trimming system enabling edging and trimming in one pass.
- Cartridge Glue system with quick setting system for different board thicknesses.
- Edgeband coil mounted on aggregate with auto feed.
- End of edgeband sensing for tight edgeband joint on panels with 360° edging.
- Minimum external panel radius 20mm (3/4")
- Minimum internal radius 50mm (1 3/32")
- Minimum edgeband thickness 1mm (1/32")
- Maximum edgeband thickness 3mm (1/8")
- Surface Scraper
- Diamond Cutter Heads

- Panel dimensions:

|                    |                         |
|--------------------|-------------------------|
| <b>Thickness</b>   | 36mm (maximum) (1 3/8") |
|                    | 16mm (minimum) (5/8")   |
| <b>Y dimension</b> | 1830mm (maximum) 6'     |
| <b>X dimension</b> | 3658mm (maximum) 12'    |

- Control Console able to be positioned easily to suit operator preference.
- Flat bed configured to enable pendulum operation for small panels. 1220mm x 1830mm (4' x 6')
- Panel lifting pods enabling easy handling of large panels.
- 0.75kW Trimmer motor driving two radius cutter heads.
- Quick change vacuum pod system.
- 100m3/hr oil vane vacuum pump.
- Power consumption 7.5kW
- Operating air pressure 6-7 atm



Certain details of the provided specifications and photos may deviate from the supplied product.  
We reserve the right to make changes in the interests of progress.