

REVOLUTION 180

Breakthrough Contour edge banding for complex shapes



The **VECTOR Revolution** produces perfect edges for curved and contoured panels - finally bridging the gap between labor-intensive manual processes and over-engineered CNC solutions.

The **VECTOR Revolution** is designed for companies processing complex shapes who require professional-quality results with fast cycle times and simple operation.



[Video](#)

Technical Specification:

Machine Length:	7750 mm	6220 mm
Machine Width:	3150 mm	3150 mm
Machine Height:	4300 mm	2400 mm
Machine Weight:	2500 kg	2500 kg
Electrical connection:	480 V / 15 A / 3 Phase	480 V / 15 A / 3 Phase
Machine bed size:	1830 x 3550 mm	1830 x 3550 mm
	w. Protection	w/o Projection

Key Benefits:

- Rigid welded machine frame
- Low-maintenance parts
- ESP (Edge Sensing Protocol)
- No CNC programming required
- One pass operation; 80% of jobs completed in 1 -2 min

Shapes made easy

VECTOR Revolution Features:

- **Patented VECTOR Edge Sensing System** with automatic pressure application and trimming in one pass
- **ESP (Edge Sensing Protocol)** - intelligent algorithm calculates panel shape during processing
- **Projection Setup System** for visual setup guidance and operator ease
- **SideWinder Precision Trimmer Unit** for superior edge finishing
- **Automatic Butt Join Detection and Processing**
- **Vacuum Cup Positioning System** - simple repositioning for different panel shapes
- **Surface Scraping Integration** - trimming and scraping completed in single pass
- **Integrated Dust Collector** – no need to get additional dust collection to the machine
- **Compatible with Nested-Based Manufacturing** for optimal material utilization
- **No CNC Programming Required** - eliminating need for specialized programming staff
- **Wire-Access Scallop Recognition** - complex shapes processed without specialized programming
- **No CNC Programming Required** - eliminating need for specialized programming staff
- **Glue Application System** for professional-quality bonding with EVA, PO and PUR
- **Variable Panel Size Accommodation** from small components to large elements
- **Quick Setup Technology** - start positions and other process parameters will be saved and can be reloaded with article number, name or barcode
- **High Quality Glue Line** –only 35 mm from the glue application to the band
- **High Quality Glue Bond** – highest edge pressure in the market 80 kg
- **Variable Panel Size Accommodation** from small components to large architectural elements
- **Pendulum Operation** – setting up one side of the table when the other is in process
- **High-Speed Processing** with superior cycle times compared to CNC hybrid solutions