



EDGEBANDERS SP COMPACT SERIES

PRODUCT USER MANUAL



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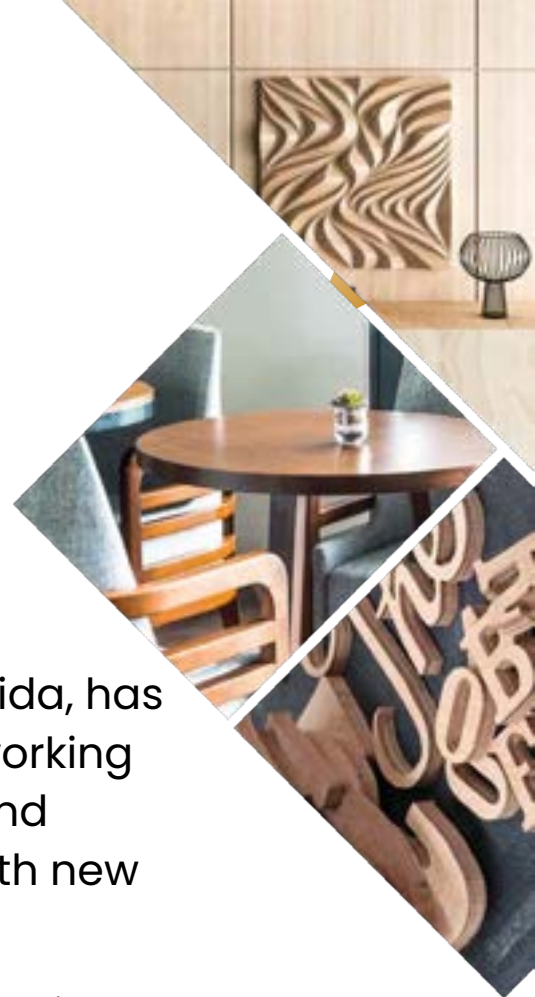
ABOUT US

GOLDSTARCNC, based in Miami, Florida, has been leading the industry in woodworking innovations for over two decades and continues challenge the industry with new advancements.

At GOLDSTARCNC, our mission is to delivery quality nation wide as we are involved in many community outreach programs in wich we offer our time, support, products and services.

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Automatic Edge Bander

A compact and efficient automatic machine, equipped with reliable Siemens electrical components and high-quality transmission systems for enhanced stability and performance. Designed for precision processing, it delivers consistently excellent finishing results.



ACCESSORIES



Siemens electrical components and PLC control



End cutting :Single motor for the automatic end cutting



Trimming unit adjustment through the counter convenience and quickly

STANDARD DIRECTION



Buffing



Fine Trim



End Cutting



Gluing

Specification

Panel length	Min.80mm	Working pressure	0.6Mpa
Panel width	Min.90mm	Power	2.83kw
Panel thickness	10~45mm	N.W	400KG
Edge thickness	0.4~3mm	Overall size	2647 x 1818 x 1195mm
Feeding speed	6.4m/min	Packing size	1690 x 765 x 1150mm



Automatic Edge Bander

The SP-35 is our most compact edge banding machine with a chain conveyor system and dual trimming motors. Designed for small and medium-sized furniture manufacturers, it offers high reliability, excellent performance, premium quality — all in a lightweight and space-saving design at an affordable price.



STANDARD DIRECTION



Gluing



Fine Trim



Buffing

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	3.77KW
Panel thickness	12-50mm	N.W	370kg
Edge thickness	0.4-3mm	Overall size	2060 x 1055 x 1315mm
Feeding speed	8m/min	Packing size	1680 x 645 x 1235mm

ACCESSORIES



Control Panel



Fine trimming



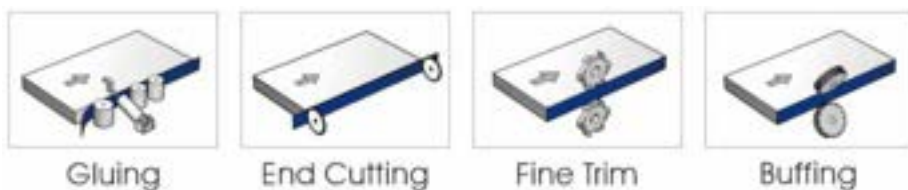
Buffing

Automatic Edge Bander

Featuring a compact structural design and a well-engineered machine concept, every detail is carefully crafted and perfectly integrated to ensure flawless finishing results.



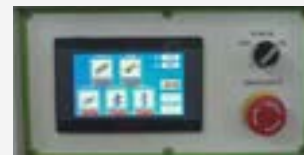
STANDARD DIRECTION



Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	4.34KW
Panel thickness	12-50mm	N.W	495kg
Edge thickness	0.4-3mm	Overall size	2330 x 1055 x 1200mm
Feeding speed	8m/min	Packing size	2000 x 645 x 1235mm

ACCESSORIES



Touch Screen Control



Fine trimming



End cutting



Buffing

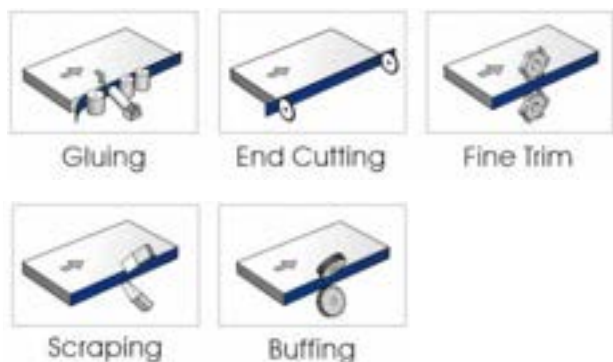
SP-35ZRP

Automatic Edge Bander

Designed with a compact structure and a smart, well-conceived concept, the machine stands out for its meticulous attention to detail and seamless coordination of every component — all working together to deliver a perfect finish.



STANDARD DIRECTION



Scraping unit



Buffing

ACCESSORIES



Touch Screen Control



End cutting



Fine trimming

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	4.34KW
Panel thickness	12-50mm	N.W	540kg
Edge thickness	0.4-3mm	Overall size	2530 x 1055 x 1200mm
Feeding speed	8m/min	Packing size	2200 x 645 x 1235mm

Automatic Edge Bander

The SP-35S features a compact design and a smart, well-engineered concept. Every detail is carefully crafted, and all components work in perfect harmony to ensure a flawless finishing result.



ACCESSORIES



End cutting



Fine trimming



Glue pot unit



PLC Touch screen

STANDARD DIRECTION



Gluing



End Cutting



Fine Trim



Buffing

Option:

Scraping or Buffing



Scraping



Buffing

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	4.71KW
Panel thickness	12-50mm	N.W	530kg
Edge thickness	0.4-3mm	Overall size	2530 x 1055 x 1200mm
Feeding speed	8m/min	Packing size	2200 x 645 x 1235mm

SP-560

Automatic Edge Bander

Its compact design and intelligently engineered concept, combined with meticulous attention to detail and seamless integration of every component, ensure outstanding performance and a flawless finish.

STANDARD DIRECTION



ACCESSORIES



End trimming unit



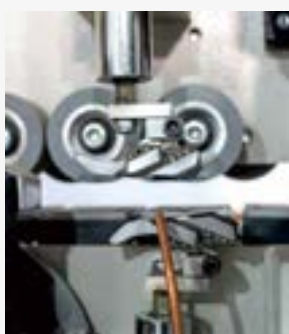
Control panel with 7" touch screen



Fine trimming unit



Pre-milling unit



Flat scraping unit



Edge feed and guillotine



Glue pot unit



Pressure rollers

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.18KW
Panel thickness	12-50mm	N.W	560kg
Edge thickness	0.4-3mm	Overall size	2625 x 1315 x 1315mm
Feeding speed	8m/min	Packing size	2200 x 725 x 1248mm

Automatic Edge Bander

The SP560 PLUS Edge Bander combines a compact structure with a smart, well-conceived design. Its remarkable attention to detail and perfect coordination of every component ensure consistently flawless edge finishing.





Control panel with 7"touch screen



Pre-milling unit



Edge feed and guillotine



Glue pot unit



Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.55KW
Panel thickness	12-50mm	N.W	710kg
Edge thickness	0.4-3mm	Overall size	3035 x 1320 x 1385mm
Feeding speed	8m/min	Packing size	2625 x 725 x 1248mm

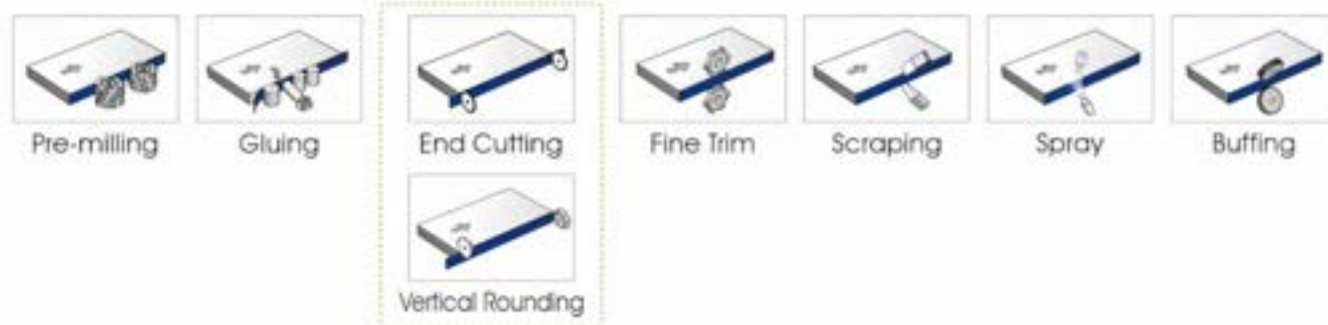
SP-560 **SMART**

Automatic Edge Bander

The SP560 SMART Edge Bander features a compact design and an intelligently engineered concept. With exceptional attention to detail and seamless coordination of every component, it guarantees perfect edge finishing with every use.



STANDARD DIRECTION



ACCESSORIES



Control panel with 7"touch screen



Pre-milling unit



Edge feed and guillotine



Pressure rollers

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.75KW
Panel thickness	12-50mm	N.W	710kg
Edge thickness	0.4-3mm	Overall size	3035 x 1320 x 1385mm
Feeding speed	8m/min	Packing size	2625 x 725 x 1248mm

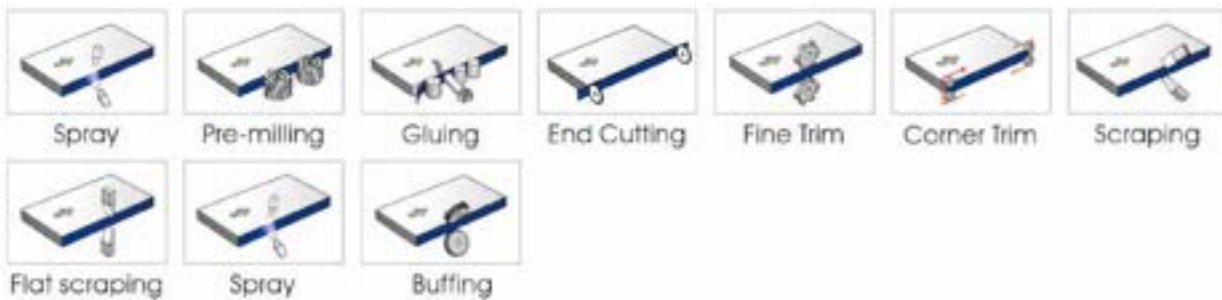
SP-564 **PLUS**

Automatic Edge Bander

Featuring a compact structural design and a meticulously engineered machine concept, the SP564 PLUS stands out for its exceptional attention to detail and seamless coordination of all components. This precise integration ensures superior edge finishing, delivering outstanding performance and reliability for even the most demanding applications.



STANDARD DIRECTION



ACCESSORIES



Radius scraping unit

The Radius surface receives a light scraping removing any remnants from the trimming process, ensuring a smooth finish.



Comer Rounding unit

With rounding of front&rear of the edge, smoothness and aesthetics of the plate are further optimized. Single high frequency motor comer rounding occupies less space and save energy.

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.9KW
Panel thickness	12-50mm	N.W	945kg
Edge thickness	0.4-3mm	Overall size	3667 x 1320 x 1585mm
Feeding speed	8m/min	Packing size	3265 x 725 x 1448mm

CONFIGURATION



Control panel with 7 touch screen

Easy ,self-explanatory representation of the units and their functions,error message show on the screen.



Feeding fence

- Feeding fence with micrometric adjustment and numerical dial.
- Variable milling up to 2 mm max with 8-50 mm panel height.



Pre-milling unit

The two diamond tipped spindle heads rotating in opposing directions ensure a perfectly straight workpieces edge, to which before the edge material can be glued.



Glue pot unit

The edgebander requires only 15 minutes to reach operation temperature, with the Teflon coated glue pot and quick change system.



Edge feed And guillotine scissors

Coiled material 0.4-3mm thick can be used for workpieces up to 50mm in the thickness.



Pressure rollers

The rollers press the edging to the workpieces. The adjustable control prevents the glue from smearing and edging tape from being "squashed".

CONFIGURATION



Buffing unit

Effective clean the glue residue on the edge.



Fine trimming unit

With two independent trimming unit with two high frequency motor running at 12000rpm, 2mm radius tools are included as standard, also can be equipped with 3mm radius tools.



Radius scraping unit

The Radius surface receives a light scraping removing any remnants from the trimming process, ensuring a smooth finish.



Spray unit

Spraying equipment and spray for a perfect "finish", leaving a workpiece requiring no further processing.



End trimming unit

The end cutting with 2 independent saw unit, each with high frequency motor running at 12000rpm. Linear guidance ensures the highest level of precision.

Automatic Edge Bander

The SP550H Edge Bander combines a compact structural design with a smart, high-performance machine concept. Its remarkable attention to detail and perfectly synchronized components work together to deliver flawless edge finishing. Engineered for precision, built for durability – the SP550H is your solution for superior edge banding results.

STANDARD DIRECTION



End trimming unit



Buffing unit



Control panel with 7" touch screen



Pre-milling unit



Edge feed and guillotine



Glue pot unit



Pressure rollers

Specification			
Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.92KW
Panel thickness	12-50mm	N.W	710kg
Edge thickness	0.4-3mm	Overall size	3035 x 1320 x 1385mm
Feeding speed	8m/min	Packing size	2625 x 725 x 1248mm

SP-650 PLUS

Automatic Edge Bander

With a compact structural design and a smartly engineered concept, this machine showcases exceptional attention to detail and seamless coordination of every component – all working together to achieve a flawless finish, every time.

STANDARD DIRECTION



End trimming unit



Control panel with 7"touch screen



Buffing unit



Pre-milling unit



Flat scraping Unit



Edge feed and guillotine



Glue pot unit



Pressure rollers

Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.92KW
Panel thickness	12-50mm	N.W	710kg
Edge thickness	0.4-3mm	Overall size	3035 x 1320 x 1385mm
Feeding speed	8m/min	Packing size	2625 x 725 x 1248mm

Automatic Edge Bander

The SP554 PLUS Edge Bander features a compact design and a thoughtfully engineered machine concept. With exceptional attention to detail and perfectly synchronized components, it ensures precise, high-quality edge finishing — delivering reliability, efficiency, and excellence in every operation.





Control panel with 7"touch screen



Pre-milling unit



Feeding fence



Glue pot unit



Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	7.27KW
Panel thickness	12-50mm	N.W	945kg
Edge thickness	0.4-3mm	Overall size	3667 x 1320 x 1585mm
Feeding speed	8m/min	Packing size	3265 x 725 x 1448mm

CONFIGURATION



Fine trimming unit

With two independent trimming unit with two high frequency motor running at 12000rpm, 2mm radius tools are included as standard, also can be equipped with 3mm radius tools.



Spray unit

Spraying equipment and spray for a perfect "finish", leaving a workpiece requiring no further processing.



Radius scraping unit

The Radius surface receives a light scraping removing any remnants from the trimming process, ensuring a smooth finish.



Buffing unit

Effective clean the glue residue on the edge.



Pressure rollers

The rollers press the edging to the workpieces. The adjustable control prevents the glue from smearing and edging tape from being "squashed".



End trimming unit

The end cutting with 2 independent saw unit, each with high frequency motor running at 12000rpm. Linear guidance ensures the highest level of precision.



Edge feed and guillotine scissors

Coiled material 0.4-3mm thick can be used for workpieces up to 50mm in the thickness.

Automatic Edge Bander

The SP160 Edge Bander features a compact yet powerful design and a carefully engineered machine concept that reflects a deep commitment to quality. With exceptional attention to detail and perfectly synchronized components, it delivers precise results, maximum efficiency, and outstanding performance in every operation. This machine is built to meet the demands of modern woodworking with reliability and finesse.



Specification			
Panel length	Min. 120mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	6.04KW
Panel thickness	10-50mm	N.W	620kg
Edge thickness	0.4-3mm	Overall size	3235 x 1457 x 1300mm
Feeding speed	13m/min	Packing size	2972 x 712 x 1260mm

Automatic Edge Bander

Compact, efficient, and easy to use, the SP260A features a European gluing system, quick color change, fast feeding speed, touch screen control, and an optional Edge scraping unit. Ideal for small woodworking and furniture businesses, it delivers high-performance edge banding in a user-friendly design.

STANDARD DIRECTION



ACCESSORIES



Glue pot



End cutting



1/2 scrapper



Optional: Edge scraping unit



Fine trimming

Specification

Panel length	Min. 120mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	5.64KW
Panel thickness	10-50mm	N.W	700kg
Edge thickness	0.4-3mm	Overall size	3220 x 1465 x 1500mm
Feeding speed	13m/min	Packing size	2690x 712x 1462mm

Automatic Edge Bander

An enhanced version of the SP260, the SP260J features dual 12,000 rpm high-frequency motors and diamond cutters for smoother panels and perfect edge sealing. It offers advanced performance at an outstanding value, making it the most accessible machine in its category.



Premilling

Optional: Edge scraping unit



Glue pot



End cutting



Fine trimming



Corner rounding



STANDARD DIRECTION



Specification

Panel length	Min.70mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	7.64KW
Panel thickness	10-50mm	N.W	770kg
Edge thickness	0.4-3mm	Overall size	3635 x 1497 x 1300mm
Feeding speed	13m/min	Packing size	3105 x 712 x 1260mm

Automatic Edge Bander

Compact, versatile, and precise, the SP264J features a pre-milling unit and a corner rounding unit for high-quality finishes without additional processing. Its advanced technology ensures perfect panel edges, making it ideal for companies needing consistent, high-quality edge banding with greater efficiency.



ACCESSORIES



R scarping



Premilling



Fine trimming



Corner rounding

STANDARD DIRECTION



Specification			
Panel length	Min.70mm	Working pressure	0.6Mp
Panel width	Min.80mm	Power	8KW
Panel thickness	10-50mm	N.W	1050kg
Edge thickness	0.4-3mm	Overall size	4235 x 1497 x 1558mm
Feeding speed	13m/min	Packing size	3700 x 712 x 1521 mm

Automatic Edge Bander

Versatile and precise, with a compact structural design and a smartly engineered concept, this machine showcases exceptional attention to detail and seamless coordination of every component — all working together to achieve a flawless finish, every time.

STANDARD DIRECTION



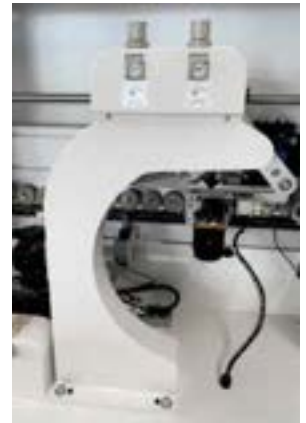
Pre-milling



Buffing unit



End cutting



Cerner rounding



Glue pot



End cutting



R Scraping

Specification

Panel length	Min. 120mm	Working pressure	0.6 Mpa
Panel width	Min. 80mm	Power	8.66 KKW
Panel thickness	12-50mm	N.W	1200 kg
Edge thickness	0.4-3mm	Overall size	4 770 x 1497 x 1743mm
Feeding speed	13m, 15m, 17m/min	Packing size	4235 x 712 x 1460mm

Automatic Edge Bander

The SP-262J offers high-performance edge banding with a dual PUR/EVA glue pot system for flexible adhesive use. Its pre-milling unit ensures clean, straight edges, while end cutting, R scraping, and a spray unit deliver smooth, finished results.



End cutting



Pre-milling unit



Spray unit



Buffing unit



Fine trimming



R Scraping

STANDARD DIRECTION



Specification

Panel length	Min.120mm	Working pressure	0.6Mpa
Panel width	Min.80mm	Power	10.96KW
Panel thickness	10-50mm	N.W	900kg
Edge thickness	0.4-3mm	Overall size	3760 x 1497 x 2190mm
Feeding speed	14m/min	Packing size	3230 x 712 x 2190mm

Automatic Edge Bander

Experience precision and performance with the SP-610. Designed for exceptional finishing, it features smooth scraping for a clean, professional look and fine trimming for perfect edge detailing. The glue pot, pressure rollers, and spray unit ensure strong, consistent adhesion. A high-speed end cutting motor guarantees sharp, stable cuts, while the buffing unit delivers a polished, showroom-quality finish.

**Engineered
for perfection
in every edge**



STANDARD DIRECTION



Specification			
Panel length	Min.120mm	Working pressure	0.6Mp
Panel width	Min.80mm	Power	6.9KW
Panel thickness	10-60mm	N.W	750kg
Edge thickness	0.4-3mm	Overall size	3350 x 1600 x 1300mm
Feeding speed	14m/min	Packing size	3110x 870 x 1535mm

Automatic Edge Bander

The SP-620 is engineered for high-performance edge banding with flawless results. Its high-speed pre-milling unit ensures workpieces are precisely sized before gluing. Scraping and fine trimming deliver smooth, clean edges with excellent visual appeal. A combination of spray unit, pressure rollers, and glue pot ensures consistent, strong bonding throughout the process. The high-speed end cutting motor provides clean and stable cuts, while the buffing unit adds a polished, professional finish.



Pre-milling unit

Before Gluing, two high speed knives can make sure the workpiece keep the same size.



STANDARD DIRECTION



Specification

Panel length	Min.120mm	Working pressure	0.6Mp
Panel width	Min.80mm	Power	11.67KW
Panel thickness	10-60mm	N.W	1000kg
Edge thickness	0.4-3mm	Overall size	4265 x 1600 x 1300mm
Feeding speed	14m/min	Packing size	4065 x 870 x 1535mm

CONFIGURATION



End cutting

One high speed motor for end cutting, make sure the end stable and perfect.



Spray unit

Spraying equipment and spray for a perfect "finish", leaving a workpiece requiring no further processing.



Scraping

It can smoothly trim edges with a perfect visual appearance.



Fine trimming

Two high speed motor for trimming, the counter show the thickness of the panel, very easy to adjustment.



Pressurer ollers

The rollers press the edging to the workpieces. The adjustable control prevents the glue from smearing and edging tape from being "squashed".



Edge feed And guillotine scissor

Coiled material 0.4-3mm thick can be used for workpieces up to 50mm in the thickness.



Glue pot unit

The edgebander requires only 15 minutes to reach operation temperature, with the Teflon coated glue pot and quick change system.



Buffing unit

Effectively clean off glue residue on the edge.

Curve Edge Bander

Achieve flawless edge banding with the SP-820. Its laser detection system ensures perfect fit on curved edges, while the all-in-one gluing and trimming unit delivers smooth, accurate finishes. With a touchscreen interface, versatile edge tray, and adaptive support arm, this machine offers smart control, flexibility, and stability for professional results every time.

**Precision in
Every Curve**



 **SAMPLE**



Specification

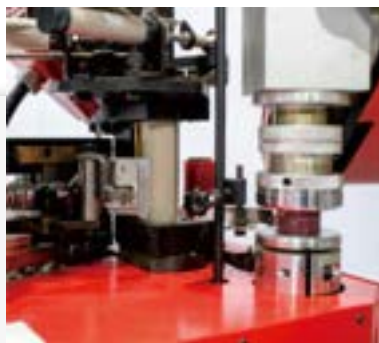
Panel length	Min.200mm	Working pressure	0.6-0.8Mpa
Panel width	Min.300mm	Power	4KW
Panel thickness	9-50mm	N.W	650kg
Edge thickness	0.6-3mm	Packing size	21 00 x 1500 x 1700mm
Feeding speed	5-8m/min		

CONFIGURATION



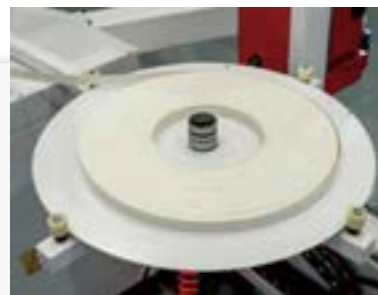
Touch screen

It's easy to control and maintain the machine, machine problems can be displayed on the touch screen.



Gluing shoft

It is used to evenly apply hot melt glue from the glue box to the tape by rotation.



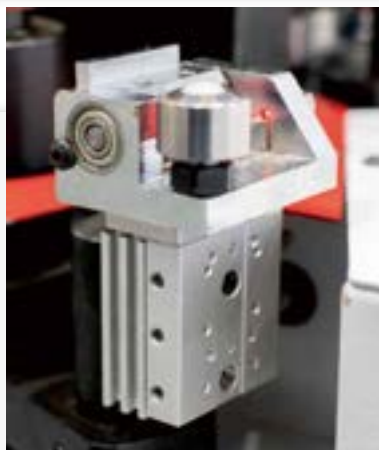
Edge bond troy

It can accommodate edge bands of different specifications (width, thickness, material).



Trimming device

It is used to cut off the part of the edge banding that exceeds the edge of the board, trimming a smooth curve or straight line profile to match the curvature of the board.



Laser detection device

It is a device that performs real-time scanning of the board edge's curve profile, detecting its position, curvature, and size deviations, and provides this data to the control system to ensure the edge banding fits the board edge accurately.



Support rocker arm

The support rocker arm swings with the curvature of the board to provide dynamic support; prevent the board from shifting or deforming due to uneven force, and ensure the processing stability.



Gluing and end trimming device

A composite device with integrated gluing and end cutting functions. After the tape is glued, a high-speed rotating saw blade or milling cutter is used to accurately cut the front and rear ends of the tape to make it flush with the end surface of the board and eliminate the excess port.



More information
www.goldstarcnc.us



More information
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