



EDGEBANDERS SP COMPACT SERIES

PRODUCT USER MANUAL



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www.goldstarcnc.us



More information
(786) 400-0910

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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INDEX

SP-115M	4
SP-35	5
SP-35ZP	6
SP-35ZRP	7
SP-35S	8
SP-560	9
SP-560 PLUS	10
SP-560 SMART	11
SP-564 PLUS	12
SP-550H	15
SP-650 PLUS	16
SP-554 PLUS	17
SP-160	19
SP-260A	20
SP-260J	21
SP-264J	22
SP-460J	23
SP-262J	24
SP-610	25
SP-620	26
SP-820	28

Automatic Edge Bander

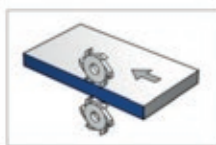
A compact and efficient automatic machine, equipped with reliable Siemens electrical components and high-quality transmission systems for enhanced stability and performance. Designed for precision processing, it delivers consistently excellent finishing results.



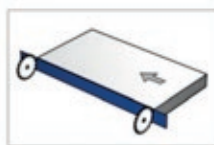
STANDARD DIRECTION



Buffing



Fine Trim



End Cutting



Gluing

Specification

Panel length	Min. 3.1 in	Working pressure	87 psi
Panel width	Min. 3.5 in	Power	3.8 HP
Panel thickness	0.4–1.8 in	N.W	882lb
Edge thickness	0.016–0.12 in	Overall size	104.2 × 71.6 × 47 in
Feeding speed	21 ft/min	Packing size	66.5 × 30.1 × 45.3 in

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



Automatic Edge Bander

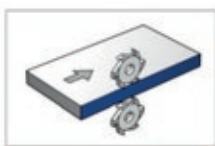
The SP-35 is our most compact edge banding machine with a chain conveyor system and dual trimming motors. Designed for small and medium-sized furniture manufacturers, it offers high reliability, excellent performance, premium quality — all in a lightweight and space-saving design at an affordable price.



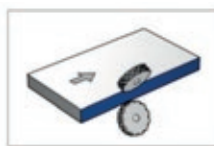
STANDARD DIRECTION



Gluing



Fine Trim



Buffing

ACCESSORIES



Control Panel



Fine trimming



Buffing

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	5.1 HP
Panel thickness	0.47–2 in	N.W	815 lb
Edge thickness	0.016–0.12 in	Overall size	81.1 × 41.5 × 51.8 in
Feeding speed	26.2 ft/min	Packing size	66.1 × 25.4 × 48.6 in

SP-35ZP

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



Gluing



End Cutting



Fine Trim

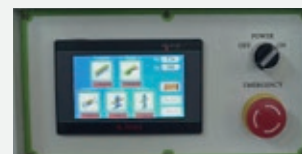


Buffing

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	5.8 HP
Panel thickness	0.47–2 in	N.W	1,091 lb
Edge thickness	0.016–0.12 in	Overall size	91.7 × 41.5 × 47.2 in
Feeding speed	26.2 ft/min	Packing size	78.7 × 25.4 × 48.6 in

ACCESSORIES



Touch Screen Control



Fine trimming



End cutting



Buffing

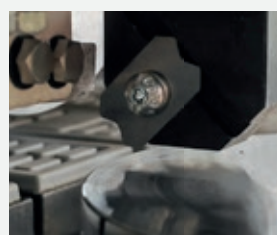
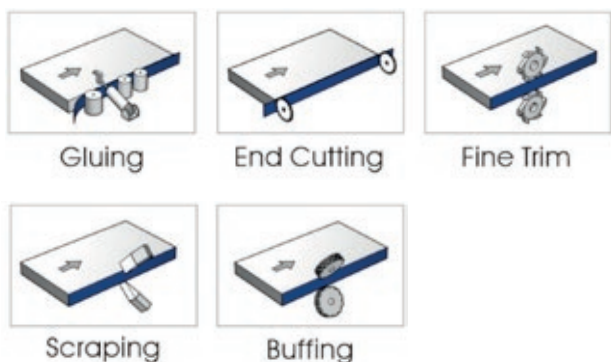
SP-35ZRP

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.



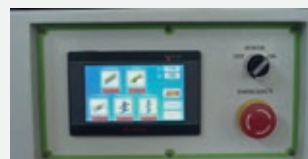
STANDARD DIRECTION



Scraping unit



Buffing



Touch Screen Control



End cutting



Fine trimming

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	5.8 HP
Panel thickness	0.47–2 in	N.W	1,190 lb
Edge thickness	0.016–0.12 in	Overall size	99.6 × 41.5 × 47.2 in
Feeding speed	26.2 ft/min	Packing size	86.6 × 25.4 × 48.6 in

SP-35S

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.



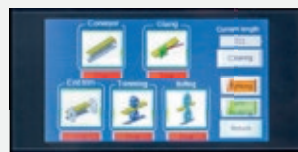
ACCESSORIES



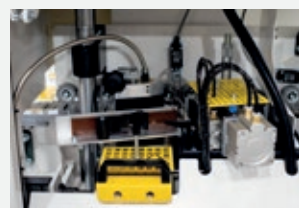
End cutting



Fine trimming



PLC Touch screen



Glue pot unit

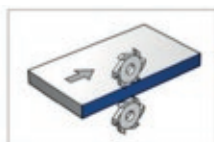
STANDARD DIRECTION



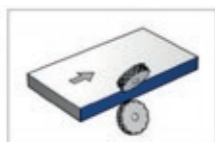
Gluing



End Cutting



Fine Trim



Buffing

Option:

Scraping or Buffing



Scraping



Buffing

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	6.3 HP
Panel thickness	0.47–2 in	N.W	1,168 lb
Edge thickness	0.016–0.12 in	Overall size	99.6 × 41.5 × 47.2 in
Feeding speed	26.2 ft/min	Packing size	86.6 × 25.4 × 48.6 in

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



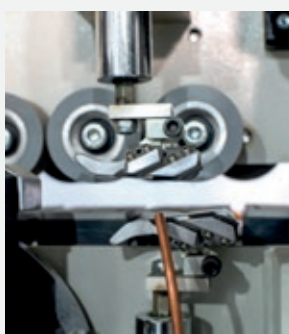
Control panel with 7" touch screen



Fine trimming unit



Pre-milling unit



Flat scraping unit



Edge feed and guillotine



Glue pot unit



Pressure rollers

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	8.3 HP
Panel thickness	0.47–2 in	N.W	1,235 lb
Edge thickness	0.016–0.12 in	Overall size	103.3 × 51.8 × 51.8 in
Feeding speed	26.2 ft/min	Packing size	86.6 × 28.5 × 49.1 in

SP-560 **PLUS**

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.



ACCESSORIES



Control panel with 7" touch screen



Pre-milling unit



Edge feed and guillotine



Glue pot unit

STANDARD DIRECTION



Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	8.8 HP
Panel thickness	0.47–2 in	N.W	1,565 lb
Edge thickness	0.016–0.12 in	Overall size	119.5 × 52 × 54.5 in
Feeding speed	26.2 ft/min	Packing size	103.3 × 28.5 × 49.1 in

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.



ACCESSORIES



Control panel with 7" touch screen



Pre-milling unit



Edge feed and guillotine



Pressure rollers

STANDARD DIRECTION



Pre-milling



Gluing



End Cutting



Fine Trim



Scraping



Spray



Buffing



Vertical Rounding

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	9.1 HP
Panel thickness	0.47–2 in	N.W	1,565 lb
Edge thickness	0.016–0.12 in	Overall size	119.5 × 52 × 54.5 in
Feeding speed	26.2 ft/min	Packing size	103.3 × 28.5 × 49.1 in

SP-564 PLUS

Automatic Edge Bander

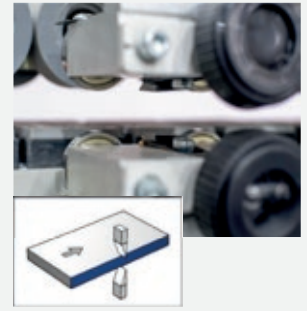
Featuring a compact structural design and a meticulously engineered machine concept, the SP564 PLUS stands out for its exceptional attention to detail and seamless coordination of all components. This precise integration ensures superior edge finishing, delivering outstanding performance and reliability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



Corner Rounding unit

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

Specification

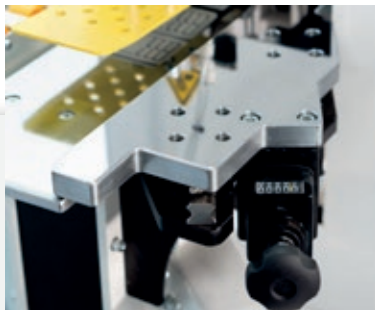
Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	9.3 HP
Panel thickness	0.47–2 in	N.W	2,083 lb
Edge thickness	0.016–0.12 in	Overall size	144.3 × 52 × 62.4 in
Feeding speed	26.2 ft/min	Packing size	128.5 × 28.5 × 57 in

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

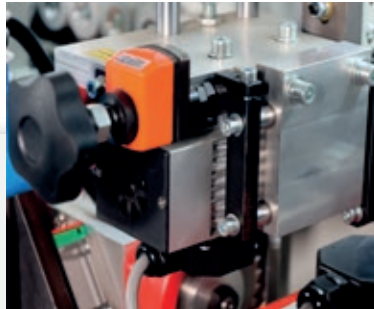
The rollers press the edging to the workpieces. The adjustable control prevents the glue from smearing and edging tape from being "squashed".

CONFIGURATION



Buffing unit

Effective clean the glue residue on the edge.



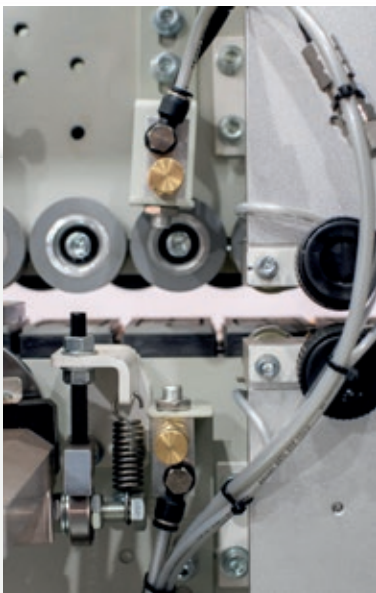
Fine trimming unit

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.



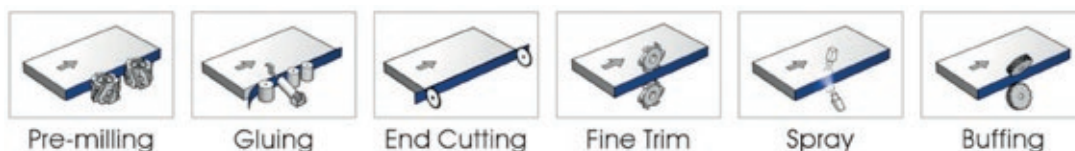
End trimming unit

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



Control panel with 7" touch screen



Buffing unit



Pre-milling unit



Edge feed and guillotine



Glue pot unit



Pressure rollers

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	9.3 HP
Panel thickness	0.47–2 in	N.W	1,565 lb
Edge thickness	0.016–0.12 in	Overall size	119.5 × 52 × 54.5 in
Feeding speed	26.2 ft/min	Packing size	103.3 × 28.5 × 49.1 in

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. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	9.3 HP
Panel thickness	0.47–2 in	N.W	1,565 lb
Edge thickness	0.016–0.12 in	Overall size	119.5 × 52 × 54.5 in
Feeding speed	26.2 ft/min	Packing size	103.3 × 28.5 × 49.1 in

SP-554 **PLUS**

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.



ACCESSORIES



Control panel with 7" touch screen



Pre-milling unit



Feeding fence



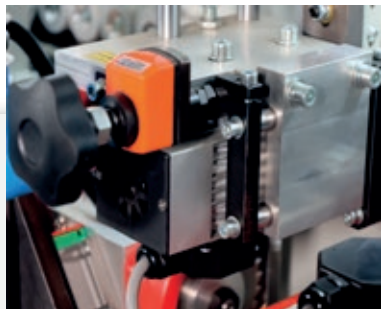
Glue pot unit

STANDARD DIRECTION



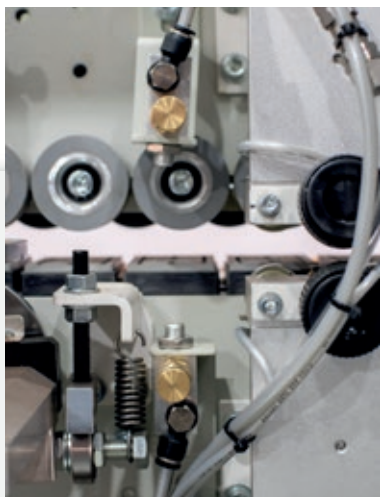
Specification			
Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	9.7 HP
Panel thickness	0.47–2 in	N.W	2,083 lb
Edge thickness	0.016–0.12 in	Overall size	144.3 × 52 × 62.4 in
Feeding speed	26.2 ft/min	Packing size	128.5 × 28.5 × 57 in

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.

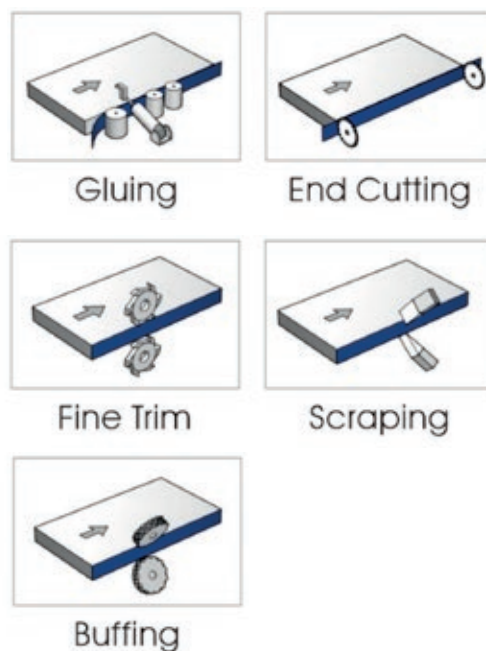


Edge feed and guillotine scissors

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.

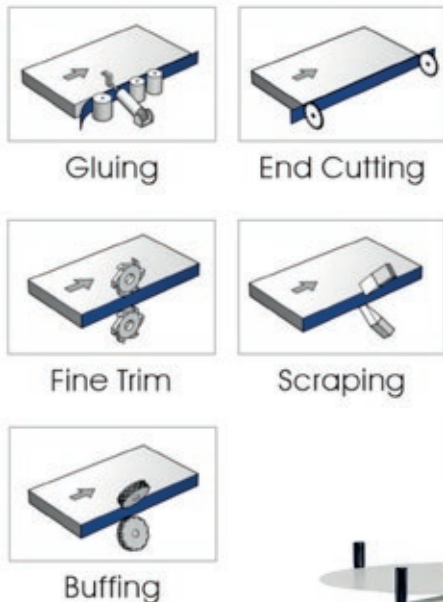


Specification			
Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	8.1 HP
Panel thickness	0.47–2 in	N.W	1,367 lb
Edge thickness	0.016–0.12 in	Overall size	127.4 × 57.4 × 51.2 in
Feeding speed	26.2 ft/min	Packing size	117 × 28 × 49.6 in

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. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	7.6 HP
Panel thickness	0.47–2 in	N.W	1,543 lb
Edge thickness	0.016–0.12 in	Overall size	126.8 × 57.7 × 59 in
Feeding speed	26.2 ft/min	Packing size	106 × 28 × 57.6 in

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.



Optional: Edge scraping unit



End cutting



Premilling



Glue pot



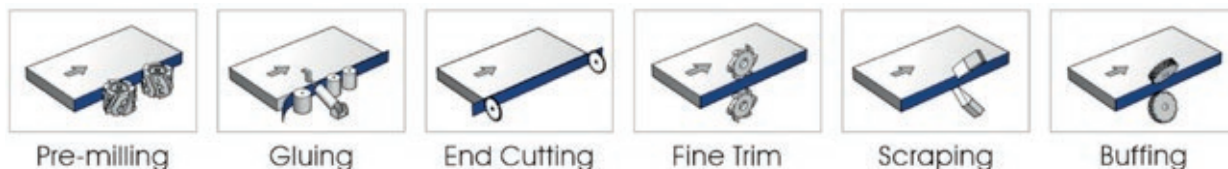
Fine trimming



Corner rounding



STANDARD DIRECTION



Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	10.2 HP
Panel thickness	0.4–2 in	N.W	1,698 lb
Edge thickness	0.016–0.12 in	Overall size	143.1 × 59 × 51.2 in
Feeding speed	42.6 ft/min	Packing size	122.2 × 28 × 49.6 in

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.



R scarping



Premilling



Fine trimming



Corner rounding

STANDARD DIRECTION



Pre-milling



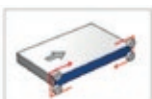
Gluing



End Cutting



Fine Trim



Corner Trim



Scraping



Buffing

Specification

Panel length	Min. 2.8 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	10.7 HP
Panel thickness	0.4–2 in	N.W	2,315 lb
Edge thickness	0.016–0.12 in	Overall size	166.7 × 59 × 61.3 in
Feeding speed	42.6 ft/min	Packing size	145.7 × 28 × 59.8 in

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



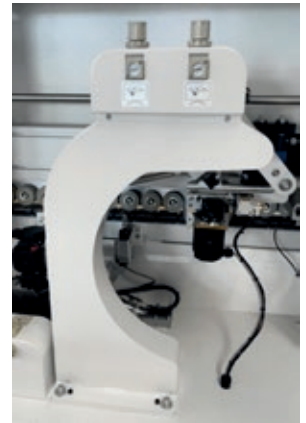
Pre-milling



Buffing unit



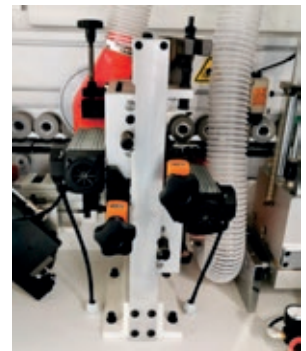
End cutting



Cornor rounding



Glue pot



Fine trimming



R Scraping



Specification

Panel length	Min. 4.7 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	11.6 HP
Panel thickness	0.47–2 in	N.W	2,645 lb
Edge thickness	0.016–0.12 in	Overall size	187.8 × 59 × 68.6 in
Feeding speed	42.6 / 49.2 / 55.8 ft/min	Packing size	166.7 × 28 × 57.5 in

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.



PUR / EVA
Double Glue Pot



End cutting



Pre-milling unit



Spray unit



Buffing unit



Fine trimming



R Scraping

STANDARD DIRECTION



Specification

Panel length	Min. 4.7 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	14.7 HP
Panel thickness	0.39–2 in	N.W	1,984 lb
Edge thickness	0.016–0.12 in	Overall size	148 × 59 × 86.2 in
Feeding speed	45.9 ft/min	Packing size	127.2 × 28 × 86.2 in

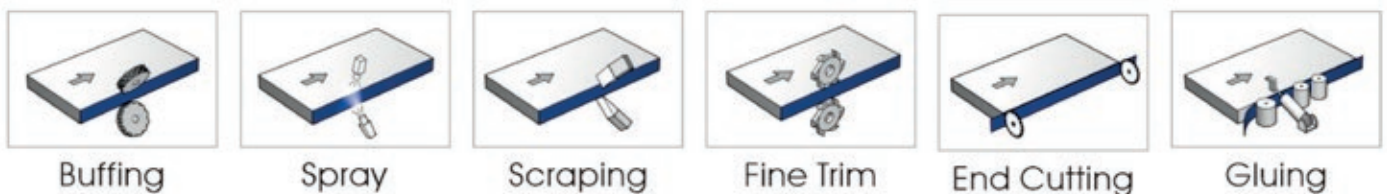
Automatic Edge Bander

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. 4.7 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	9.3 HP
Panel thickness	0.39–2.36 in	N.W	1,653 lb
Edge thickness	0.016–0.12 in	Overall size	131.9 × 63 × 51.2 in
Feeding speed	46 ft/min	Packing size	122.4 × 34.3 × 60.4 in

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. 4.7 in	Working pressure	87 psi
Panel width	Min. 3.1 in	Power	15.6 HP
Panel thickness	0.39–2.36 in	N.W	2,205 lb
Edge thickness	0.016–0.12 in	Overall size	167.9 × 63 × 51.2 in
Feeding speed	46 ft/min	Packing size	160 × 34.3 × 60.4 in

CONFIGURATION



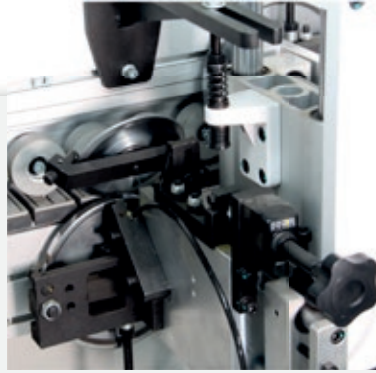
End cutting

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



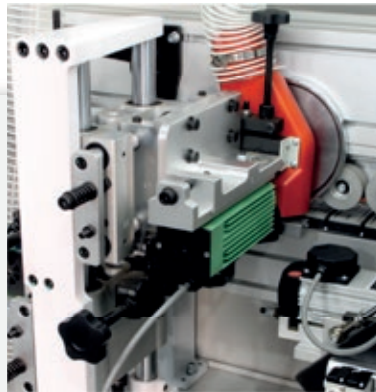
Spray unit

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**



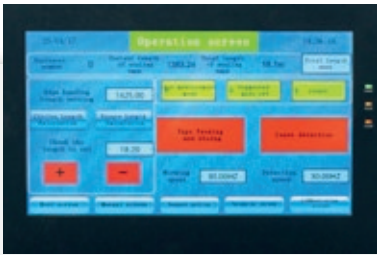
SAMPLE



Specification

Panel length	Min. 7.9 in	Working pressure	87–116 psi
Panel width	Min. 11.8 in	Power	5.4 HP
Panel thickness	0.35–1.97 in	N.W	1,433 lb
Edge thickness	0.024–0.12 in	Packing size	82.7 × 59.1 × 66.9 in
Feeding speed	16.4–26.2 ft/min		

CONFIGURATION



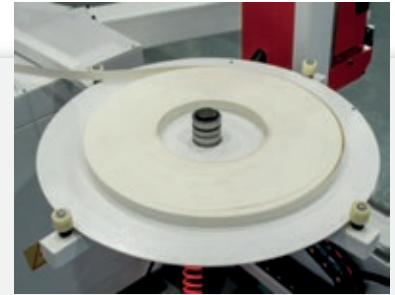
Touch screen

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.



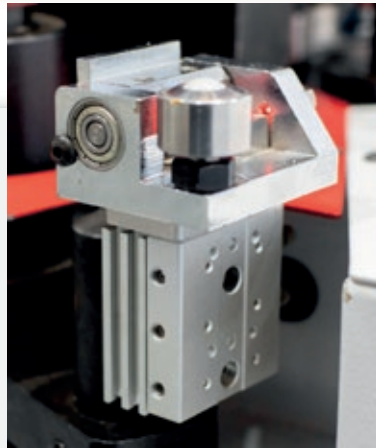
Edge bond troy

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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