

SHINX



VERTICAL PANEL SAW

SPN2SERIES

SPN2-1200 / SPN2-1800 / SPN2-2400 / SPN2-3000



VERTICAL PANEL SAW

SPN2 SERIES

Work efficiency is improved by automatic processing.



SPN2-2400

SINUC Automatic pusher positioning

Consummate safety devices

Safety shutter

Safety shutter protects fingers from rotating blades.

Two-hand push button

Cut start, program start, saw protrusion are performed by operating two-hand push button.



Safety shutter



Two-hand push button

Varieties of option lineup



Saw carriage auto lubrication



Inverter for saw rotation



Centering ruler



Roller conveyor ruler



Weight balancer

※ We have a wide range of other optional equipment. For more information, please contact our sales office or sales staff.

Automatic pusher positioning and 5.7 inch touchscreen

SINUC5000 automatic positioning pusher is equipped as standard.

Positioning of the pusher is performed by numerical input via the touch screen easily.

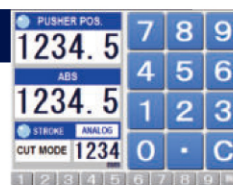
This is a new control system that has developed in pursuit of user needs.

Original control system SINUC5000

Equipped with a 5.7-inch color touch screen. 5 modes (Absolute cut, Simple cut, Normal input cut, Monitor, Manual) to assist the operator's processing. In simple cut mode, automatic operation can be easily performed by inputting the processing dimensions, the number of processed panels, and the original panel size.

Absolute cut mode

- In this operation mode, the auto pusher is positioned with absolute or incremental positioning and a single cutting operation is performed.



Absolute cut mode



Control panel



Simple cut mode



Normal cut mode



Monitor mode



Manual mode

Simple cut mode

- Perform common automatic operations with incremental positioning quickly.
- Able to register up to 60 channels of operation patterns.

Normal cut mode

- Input mode that able to perform flexible automatic operation by programming.
- Able to register up to 180 channels of 30-step programs.

Monitor mode

- Information such as the operation time, blade use time, and number of cutting times of the machine is displayed.

Manual mode

- The current positions of the carriage and the auto pushers are displayed.
- Able to correct the current position of the auto pusher, perform the zero return operation of the auto pusher, lower the saw, perform manual saw protrusion, change the cut mode, set the saw kerf, etc.

Other functions

Alarm display

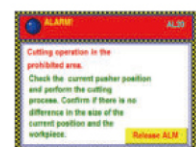
The contents of the alarm and troubleshooting are displayed. This function restrains the downtime to the minimum and improved the operator's convenience.

Cut stroke setting

The cut stroke can be set by the rotary switch or numeric keypad.

Channels

The number of channel registrations for programs is significantly increased from the previous model.



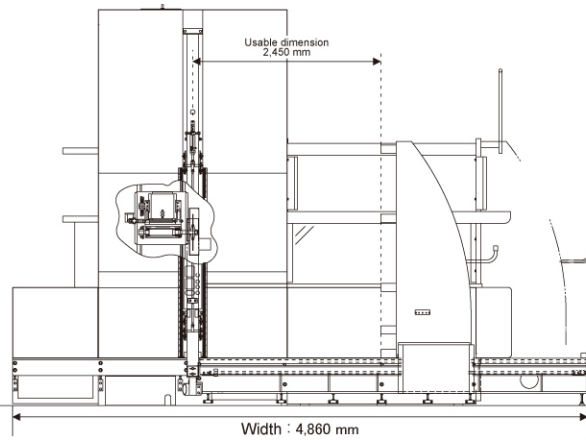
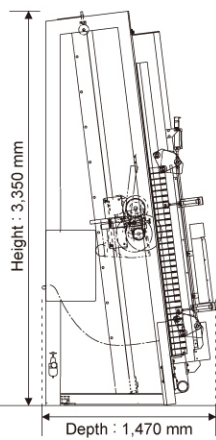
Alarm display



Cut stroke setting



Layout



SPN2-2400

SPN2 Specifications

| | | | | | |
|---|------------------------------------|--|--------------------------------|--------------------------------|--------------------------------|
| Machine Name | | Vertical panel saw | | | |
| Machine Model | | SPN2-1200 | SPN2-1800 | SPN2-2400 | SPN2-3000 |
| Ruler | Horizontal ruler | Flat horizontal ruler | | | |
| | Width setting ruler | SINUC automatic pusher positioning. | | | |
| Rail structure for motor carriage | | LM guide and flat-slide rail | | | |
| Cutting modes | | 4 cutting modes selection switch (top-to-bottom, scoring, reciprocating, rising up) | | | |
| Cutting capacity (mm) | Cutting length (Dial adjustment) | Max. 1,230 mm | Max. 1,830 mm | Max. 2,430 mm | Max. 3,030 mm |
| | Cutting width (Min.: 10 mm) | Max. 1,250 mm | Max. 2,150 mm | Max. 2,450 mm | Max. 3,050 mm |
| | Cutting thickness | Max. 45 mm | | | |
| Circular saw | | 12-inch circular saw (ϕ 305mm) , hole diameter: ϕ 25.4 | | | |
| Electrospindle rotation speed | | 3,500 min ⁻¹ (50Hz) / 4,200 min ⁻¹ (60Hz) | | | |
| Carriage speed | | [Down] : 3 ~ 15 m/min. (inverter controlled variable speed) / [UP] : 18 m/min (fixed) | | | |
| | | Scoring cut: 15 m/min (fixed), Reciprocating cut: 3 ~ 15 m/min. (variable speed) | | | |
| Motor power | | Main blade : 3.7 kW · 4P, Carriage motor : 0.75 kW · 4P [IE3] / Pusher motor : 0.4 kW · 4P 1/5 geared motor with brake | | | |
| Table | | Bakelite plate (Color: Brown) | | | |
| Cover of cutting edge | | Bakelite adjustable cover | | | |
| Material fixing method | | Parallel clamping (with a transparent safety shutter) | | | |
| Control system | | SINUC5000 | | | |
| Qty. of pusher foot | | 4 pcs | 5 pcs | | |
| Pusher positioning | | 10 m/min LM guide and ball screw drive | | | |
| Machine dimensions (Width, Depth, Height) | | 3,660 mm × 1,330 mm × 2,150 mm | 4,560 mm × 1,400 mm × 2,750 mm | 4,860 mm × 1,470 mm × 3,350 mm | 5,460 mm × 1,550 mm × 3,950 mm |
| Machine weight | | 1,150 kg | 1,300 kg | 1,450 kg | 1,700 kg |
| Machine color | | U25 - 85A (cream color) | | | |
| Control panel | | 5.7 inch touchscreen · Pusher manual movement button · EMG button | | | |
| | | Main power switch · Cutting length dial · Carriage speed dial · Saw carriage up button · Cutting start button | | | |
| Start operation | | Button for material fixing device · Two-hand push machining start button | | | |
| Safety · Other | | Fall prevention limit switch · Circuit breaker · Blade cover close detection · Safety shutter | | | |
| | | Automatic scoring activation · Off-limits chain fence · Off-limits area tape · Transparent safety panel | | | |
| Options | | Automatic lubricator for SINUC pusher (Oil mist) · Centering ruler · Blade rotation inverter control (1,000 ~ 4,200 min) | | | |
| | | Automatic lubricator for saw blade carriage. (Pump) (Oil mist) · Automatic cutting oil splay | | | |
| | | Weight balancer for carriage · Ruler extension 1,250 mm · Roller conveyor ruler | | | |

注1) Specifications are subject to change without notice

注2) To use the machine safely, operate it correctly and perform periodic maintenance.

注3) Before performing cutting and maintenance work, please read carefully and understand the safety precautions in the manual.



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