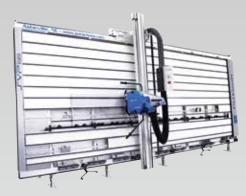
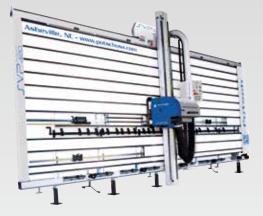


SVP Series Vertical Panel Saws







GROUP

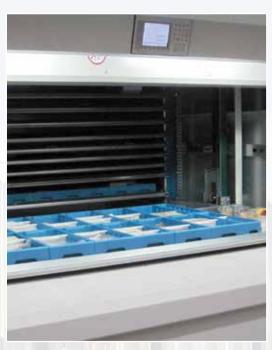
A Tradition of Quality and Service

Putsch® Group has been building cutting machinery that meet the highest standards of precision and production quality for over 140 years. Headquartered in Hagen, Germany, with multiple factories and sales offices around the world, Putsch® Group serves the agriculture, glass, filtration, bio-fuel and panel processing industries.



Our most well-known product line, the SVP Series Vertical Panel Saw, is produced at our Putsch-Meniconi® factory in Poggibonsi, Italy. Ever since our first vertical panel saw rolled off the production line in 1956, Putsch® has cultivated a reputation as a global leader for premium panel processing solutions.

Putsch® vertical panel saws were originally introduced to North America in the 1980s through qualified machinery importers. Then in 2011, in order to better serve North American customers,



Putsch® expanded their existing US-based location outside of Asheville, North Carolina. From the Asheville Technical Center, Putsch® inventories a comprehensive supply of machines, spare parts and technical support for their entire panel processing line including vertical and horizontal panel saws, compact edgebanders and vertical CNC routers.

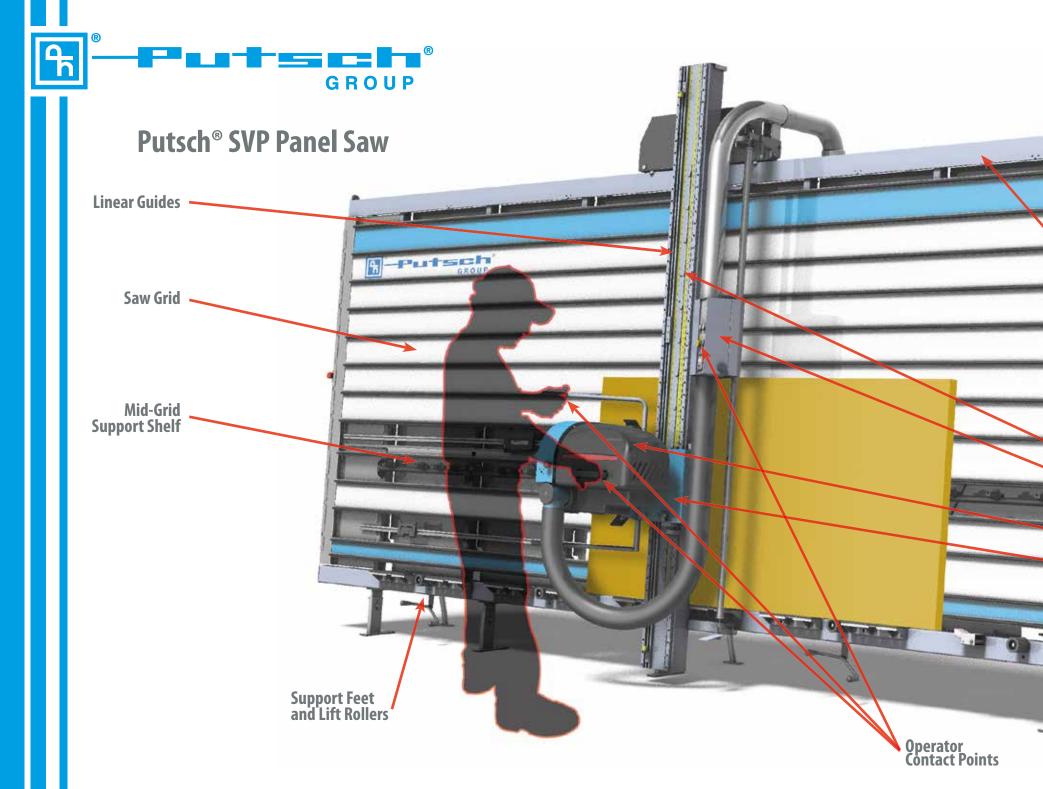
Drawing from our global collaborative expertise, Putsch® Group remains committed to offering the woodworking, plastics, glass and composite panel industries machinery that delivers high production value to our customers.





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Options & Accessories
Machine Preparation and Spare Parts



Saw Frame Horizontal **Dust Catcher** Top and **Bottom Beam** Saw Assembly Saw Bridge Control Panel Saw Head Saw Carriage

Vertical Panel Saws: Precise, Space-Saving and Safe

Vertical panel saws offer an intelligent alternative to table saws and sliding panel saws, which can be unsafe to operate and cumbersome to load and unload. Table saws and sliding panel saws also require a tremendous amount of floor space. The Putsch® SVP Series is "the best way to cut" through a design that offers customer safety, ergonomic operation, precision cutting and grooving, as well as a tremendously space-efficient footprint.

Safe:

Once material is loaded onto the cutting table, the panel remains stationary as the saw assembly itself is moved. This means no hands feeding panels toward an active blade, no need for push sticks and no parts that could kick-back into the operator.

Ergonomic:

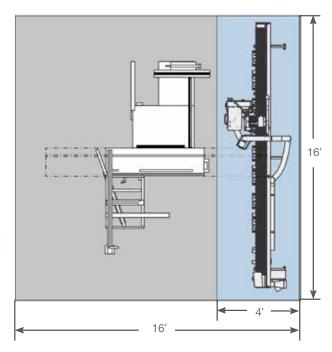
Panels are completely supported during cutting which considerably reduces operator back, neck and other muscle strain, thus greatly reducing the risk of a work-time loss injury.

Precise:

The heart of the machine is a monolithic steel frame that doesn't twist or torque. The saw assembly moves on calibrated guides and rails for a cut tolerance of .004th of an inch for better quality parts and less re-work.

Space-saving:

Vertical panel saws require less than half the operating area of a sliding table saw. Sliding panel saws require almost 200 sq. ft. in order to process a 4 ft. x 8 ft. sheet (when considering the machine footprint and work area). For comparison, the Putsch® SVP 320 only requires approximately 75 sq. ft. for safe operation!



The space requirement of a vertical panel saw is less than half of what is needed by a sliding table saw.



What Panels Can Be Cut?

Putsch® vertical panel saws are adaptable and can be customized to process almost any type of material including aluminum composite materials (ACM), plastics, metal sheets, solid surface, laminates, veneers and wood. After a careful review of your needs, our factory-trained sales representatives and dealers can offer the right solution for your specific application.

Motorized Scoring for Laminates and Fine Woods

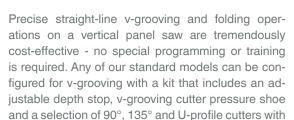


Most of our competitors use a belt-driven scoring system that relies on the power of the main shaft to turn the scoring blade. Belts can stretch and break during use, compromising scoring quality and creating the need for another spare part.

Instead, Putsch® offers independent motorized scoring that is standard on our SVP 320 and SVP 420 Series and SVP 980 A/T vertical panel saws. For saws that do not feature active scoring, we offer a scoring knife attachment that scores material before the blade to help ensure clean cuts.



V-Grooving Plastics and ACM Panels





Thin Laminates and Veneers

welded or replaceable knives.



Thin materials such as veneer or laminate require more support behind the material to prevent flexing during cutting. Putsch® can offer this additional support with a grooved MDF grid surface. We can factory-install the MDF support on the entire face of the grid, or create a hybrid MDF/standard grid surface based on your needs.

Solid Surface Cutting



Corian, Formica or other solid surface materials have different cutting requirements than other materials. By installing our Solid Surface kit, we can configure any SVP vertical panel saw to cut these heavier materials while offering a seamless edge. The kit also includes an adjustable depth stop for accurate channeling.





What Goes Into a Putsch® Panel Saw?

Since our company's founding in 1871, it is our mission to be the worldwide **Quality Leader** in our product range while leveraging technology and service to optimize **Customer Value** over the lifespan of machinery ownership. This ambitious goal drives our team to provide panel processing machinery that meets the highest demands of our customers while delivering reliability, innovation and an excellent customer experience for maximum overall value.

One-Piece, Fully-Welded Steel Frame

Every Putsch® Group vertical panel saw features a robust, monolithic steel frame. Starting with a 4-inch steel tube as the bottom rail, the frame is fully-welded and calibrated to deliver optimum vibration dampening. The frame will not twist, move or sag like some lesser-made vertical panel saws. The quality construction of our steel frame allows us to confidently state a cut tolerance of 1/10th mm over a meter (.004th of an inch).



Smooth, Precise, Powerful



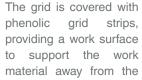
Putsch® vertical panel saws offer well-balanced horizontal and vertical carriage movement. We use only the best quality components from known suppliers, and meticulously craft each saw in our state-of-the-art Italian

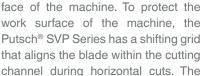
factory. Every moving part of the saw assembly is carefully calibrated and counter-weighted to optimize fluid movement and sense of control.

Every machine sold through Putsch® Panel Processing is equipped with UL/CSA registered motors. Unlike the European CE motors brought by competing machines, Putsch® vertical saws are properly suited for North American voltages for true horse-power output. Based on the model and configuration, our SVP Series vertical saws are equipped with 5, 6 or 7.5 hp self-braking motors. Our standard voltage is

230V 3-phase with 460V available upon request (single phase is not an option).

Shifting Grid Options





Basic configuration uses a side-mounted lever so the operator can manually shift the grid into proper alignment. Standard and Automatic configurations feature either an electric or pneumatically actuated shifting system to automatically align the blade within the cutting channel.

Support Foot and Lift Roller System



Panels rest securely on cast aluminum feet that are mounted to the lower beam of the saw frame. The feet are covered with replaceable phenolic plates that protect the bottom edge of the panel. They can be trimmed level as needed to main-

tain cutting tolerance. Lift-up rubberized rollers allow the operator to easily position panels.

Mid-Grid Support Shelf

When working with smaller panels, every vertical panel saw includes an integrated mid-grid support shelf. This shelf offers the operator a more ergonomic working height when cutting smaller components, which can be retracted into the grid when loading a larger panel. The shelf is comprised of a series of closely spaced phenolic supports that are easy to replace and can be trimmed level as needed to maintain accuracy.

Easy Sight Measuring and Repetitive Cuts



Horizontal and vertical measuring scales are provided in both standard and metric units. Programmable enable rapid cams positioning of the saw head commonly used measurements. An

included repeat horizontal strip device is provided to help make quick work of multiple same-size strips.







Retractable Mid-Grid Support Shelf



Sturdy and Secure Lift Roller and Support Feet System

MODEL	SVP 133 SPACE SAVER	SVP 133 SVP 133 S SVP 133 AUTO	SVP 145 SVP 145 AUTO
MAX CUT HEIGHT	5′3" (1600mm)	6′3" (1900 mm)	7´2" (2200 mm)
MAX TRIMMING HEIGHT	4′6" (1400 mm)	5′ 6" (1700 mm)	6′7" (2080 mm)
MAX CUTTING LENGTH	8´2" (2500 mm)	10´6" (3200 mm)	13´9" (4200 mm)
MAX CUT DEPTH	2.36" (60 mm)	2.36" (60 mm)	2.36" (60 mm)
MOTOR HP	5 hp	5 hp, 6 hp	5 hp, 6 hp
BLADE DIAMETER	9.84" (250 mm)	9.84" (250 mm)	9.84" (250 mm)
BLADE SPEED (RPM)	5300	5300	5300

SVP 133 Plus

Putsch® SVP 133/145 Series



Classic European-Style Vertical Panel Saw

First introduced and distributed to the market over 50 years ago, the various incarnations of this classically-designed vertical panel saw have been dependable workhorses in shops around the world. The SVP 133/145 Series offers performance, precision and excellent value across multiple industries including woodworking, plastics and composites.

Every SVP 133/145 includes a 5 hp self-braking motor (6 hp on Automatic), horizontal repeat strip cutting device and mid-grid support shelf. With configurations designed to meet almost every budget and application, Putsch® offers high-quality production to any size workshop.

This series is available in three standard frame sizes:

- Space Saver:
- Ultra-compact frame for working 4 ft. x 8 ft. sheets
- SVP 133:
- Mid-sized frame with over 10 ft. of cutting length
- SVP 145

Larger frame with almost 14 ft. of cutting length

And in three standard configurations:

• Basic:

No frills – just production. Manual shifting grid and includes rear-mounted dust bag.

Standard:

Electric shifting grid and includes side-mounted TRK dust catcher and other options.

Automatic:

Pneumatic shifting grid and includes push button plunge and motorized carriage travel and return.

There are numerous ways to set up and customize the machine for increased ease of use and functionality. From our warehouse in Asheville, North Carolina, we regularly inventory versions of the SVP 133/145 Series that are pre-configured for specialized applications such as composite panels, plastic sheets and solid surface.



Rear-mounted Dust Bag on Space Saver and S Version models



Compact design requires minimal floor space





G R O U P



SVP	420	Auto	matic	•

MODEL	SVP 320 SVP 320 AUTO	SVP 420 SVP 420 AUTO	SVP 420 A/T	SVP 420 CS	SVP 420 ALU
MAX CUT HEIGHT	6´3" (1900 mm)	7´ 2" (2200 mm)	7´ 2" (2200 mm)	7´ 2" (2200 mm)	7´2" (2200 mm)
MAX TRIMMING HEIGHT	5´ 6" (1700 mm)	6′ 7" (2080 mm)	6´7" (2080 mm)	6′7" (2080 mm)	6′7" (2080 mm)
MAX CUTTING LENGTH	10´6" (3200 mm)	13´9" (4200 mm)	13´9" (4200 mm)	13´9" (4200 mm)	13´9" (4200 mm)
MAX CUT DEPTH	2.36" (60 mm)	2.36" (60 mm)	2.36" (60 mm)	2.36" (60 mm)	1" (25 mm)
MOTOR HP	5 hp, 6 hp	5 hp, 6 hp	6 hp	5 hp	5 hp
BLADE DIAMETER	9.84" (250 mm)	9.84" (250 mm)	9.84" (250 mm)	9.84" (250 mm)	7 3/4" (200 mm)
BLADE SPEED (RPM)	5300	5300	5300	5300	5300

Putsch® SVP 320/420 Series

Independent Scoring Motor for Quality Cuts

Epitomizing the Putsch® commitment to quality and value, the SVP 320/420 Series enhances the classic design of the SVP 133/145 Series by including some of the premium features found on our flagship SVP 980 Series.

- Manual, Semi-automatic, or Fully Automatic Movement
- Independent, Motorized Scoring System:
 This scoring system uses a ¼ hp motor that turns twin 80 mm blades for reliable, predictable results.
 This system can be easily disengaged when not needed, to reduce wear on the scoring blade.
- TRK Linear Guides:

These CNC-type rails guide the saw carriage for smooth, precise up-and-down movement. Linear guides are replaceable to help extend the operating life of the machine.

• Energy Chain for Power Cables:

Most classic vertical panel saws have the power cord to the saw head wrapped around the flexible dust hose on the front of the machine. The energy chain better protects the cables while providing a cleaner overall look.

Enhanced Motors:

The standard 5 hp motors have larger copper windings for enhanced performance, versus our SVP 133/145 Series.



Linear Guide Rails along Support Beam



Ergonomic Saw Head with energy chain to safely house all cables



80 mm Twin Scoring Blade driven by Independent 1/4 hp Scoring Motor





Special Edition SVP 420 Versions:





Proprietary Clamp Lifting System so operator can trim all four sides of a panel without having to rotate it.

Putsch® SVP 420 A/T

Features automatic horizontal and vertical movement that is operated via a 9-inch color touch screen control. The newly developed "Posi-System" automatically positions the vertical stop for cross-cuts and the saw head for horizontal rip cuts. Once correctly positioned, the saw head will automatically plunge and start the cutting sequence. After the programmed cut is complete, the carriage will return to the original cutting position to start the next line of the cut quote or to await further instruction. The multilingual programming system holds up to 600 cutting programs for fast operator recall. From the touch screen, the operator can also quickly access machine status, alarms and the operation manual.



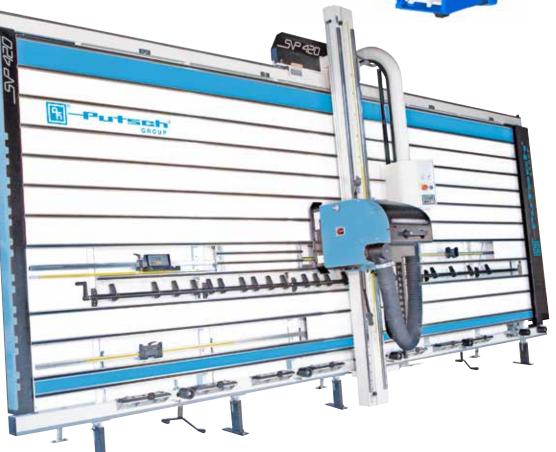
The newly developed "Posi-System" automatically positions the vertical stop for cross-cuts and the saw head for horizontal rip cuts.

Putsch® SVP 420 ALU

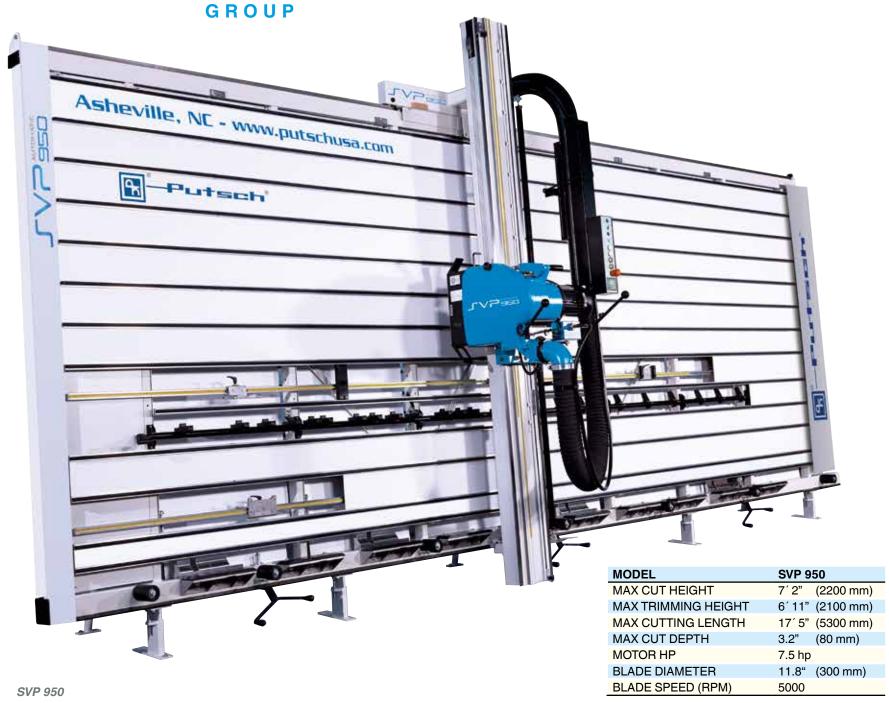
Offers tremendous flexibility by providing the operator one machine to seamlessly move from cutting to grooving applications. This specially designed saw head contains both a 200 mm saw blade and a 100 mm grooving cutter. Cutters are available in three different profiles (90°, 135° and U-profile).



Saw Blade and V-Grooving Cutter are built into the 420 ALU for cutting and grooving operations without the need to remove blade.







Putsch® SVP 950 Series

Built for Multi-sheet Processing

The Putsch® SVP 950 has been specifically designed to provide space-challenged panel cutters with stack-cutting capability. With a powerful 7.5 hp self-braking motor, a generous 3-inch cutting depth and over 17 feet of work surface, the SVP 950 is a tremendous solution for the crating, door and even timber industries.

Available with either manual or semi-automatic movement, the Putsch® SVP 950 features two ergonomically shaped handles for simple, quick and accurate handling of the saw assembly, which features an insertion mechanism for easy plunging on higher vertical cuts. The saw includes a two-piece, mid-grid support rail that extends the length of the cutting area for smaller materials, a repeat horizontal cutting device and six cutting stations.



Ergonomically designed for easy Saw Head movement



Cut multiple sheets or thick panels up to 3" thick with ease







SVP 980 Automatic with Touch Screen

MODEL	SVP 980 A/T		
MAX CUT HEIGHT	7´ 2" (2200 mm)		
MAX TRIMMING HEIGHT	6′ 11" (2100 mm)		
MAX CUTTING LENGTH	17´5" (5300 mm)		
MAX CUT DEPTH	3.2" (80 mm)		
MOTOR HP	7.5 hp		
BLADE DIAMETER	11.8" (300 mm)		
BLADE SPEED (RPM)	5000		

Putsch® SVP 980 A/T Series

Fully-automatic, Touch Screen Control



The Putsch® SVP 980 A/T is the answer for production managers who seek automation and process integration from a vertical panel saw. The machine is ideal for customers who seek to increase production output, but are not ready or able to integrate a horizontal beam saw. The feature-rich SVP 980 A/T includes:

- Touch screen operation
- Fully automatic movement
- Independent motorized scoring
- THK linear guides on the mast
- · 3-inch cutting depth for stack-cutting

Innovative Computer Control System with Touch Screen Display

The Putsch® SVP 980 A/T is equipped with an innovative computerized control system and an easy-to-read color touch screen display. From the display, the operator can select or input cutting dimensions, recall programmed cut quotes and adjust control settings such as feed rate and head rotation. The control is USB and Ethernet-capable for remote access to error messages, data retrieval and software updates.

Automated Movement

The programmable digital positioning system controls the movement of the entire saw assembly based on the desired cut program and sheet size. A sensor detects the edge of the panel during horizontal cuts to assist with the alignment of the saw head. Once correctly positioned, the saw head will automatically plunge and start the cutting sequence. After the programmed cut is completed, the carriage will return to the original cutting position to start the next line of cut quote or to await further instruction.

Comprehensive Flexibility

The SVP 980 A/T is equipped with independent motorized scoring for chip-free cuts on most panel types. Cut quality is complemented by the use of THK linear guides on the saw mast for the movement of the saw carriage, similar to what is used on CNC routers. Also, with a 3-inch cutting capacity and over 17 feet of cutting surface, the machine offers the ability to stack and cut multiple sheets at a time.

Through the touch screen, the operator can quickly input and retrieve information. Status and maintenance messages are simple to understand, complete with color symbols and descriptive text. Machine settings, technical data, operating instructions and service videos are all available at the touch of a button. With enhanced functionality such as window cutting and edging programs built into the touch screen control, the SVP 980 A/T is the zenith of vertical panel saw automation, productivity and flexibility.





Motorized Saw Head rotation from Control Panel

GROUP

Options and Accessories

Every Putsch® SVP Series vertical panel saw sold in North America is pre-equipped with a robust, fully-welded steel frame, UL/CSA registered self-braking motor, horizontal repeat strip cutting device, mid-grid support shelf and the quality and value that can only be provided from Putsch®. To enhance the performance, ease of use and adaptability of the machine, we also offer a full assortment of options and accessories.



Digital Measuring Displays (Horizontal and/or Vertical)

Easy-to-read digital measuring displays allow for quicker set-up so your operator can start cutting sooner. The displays allow for standard and metric measuring, and can display as fractions or decimals. The vertical display features a flip-stop that can be fixed into place for easy set-up of multiple sheets.



Putsch® Twin Blade Scoring System for Laminate Panels

This attachment offers scoring capability to the SVP 133, SVP 145 and SVP 950 Series vertical panel saws. The twin-scoring knife will precede the saw blade, scoring the material to help ensure a clean edge. This option works best with plastic-coated materials such as melamine and veneers.



"Posi-System" **Motorized Positioning System**

Exclusively for the SVP 320/420 Series, the Posi-System is our generation of digital measuring that features a motorized vertical stop and horizontal saw head positioning, eliminating the need to manually set the measuring stops, thus increasing cut accuracy and consistency.



V-grooving Kit with Adjustable Depth Stop

Converting a machine for v-grooving applications is simple with this optional kit. The kit includes an adjustable depth stop and a pressure shoe that is adapted for the larger width of a cutter attachment (not included with kit). 90°, 135° and U-profile cutters are available at additional cost.



Putsch® Label Optimizer

The Putsch® Label Optimizer offers panel optimization and labeling to any SVP Series vertical panel saw. Using a cut quote input into the touchscreen mounted to the operator control, or from a desktop computer, this system offers an optimized cut plan for the operator to follow for maximum part yield. The provided label printer helps the operator keep parts organized.



Solid Surface Kit

To ensure the optimum machine performance for heavier, denser materials such as solid surface and high-pressure laminates, the kit (to be installed prior to delivery of machine) will change the gear ratio for greater torque and slower RPM.





Enhanced Dust Extraction

TRK Horizontal Dust Catcher

Mounted on the right side of frame, the TRK system continuously vacuums during horizontal cutting to catch chips and dust for a much cleaner work area.

Putsch® ECO Dust Channel System

The ECO Dust Channel System is designed for highly dust-prone materials such as plaster board, gypsum and drywall. A series of vacuum channels with pneumatically controlled valves are built into the grid. Once the saw bridge is locked into a cutting station, the corresponding channel opens behind the material to prevent dust from escaping into the work area, protecting the operator from hazardous particulates. Customized Solutions

Putsch® offers the opportunity to customize the machine to meet your unique production challenges. We can extend or shorten the frame length of our machines, offer wall-mounting options or research and develop something completely new for your project. Let Putsch® or your Putsch® dealer know how we can offer the solution that is right for you.





Machine Preparation and Spare Parts

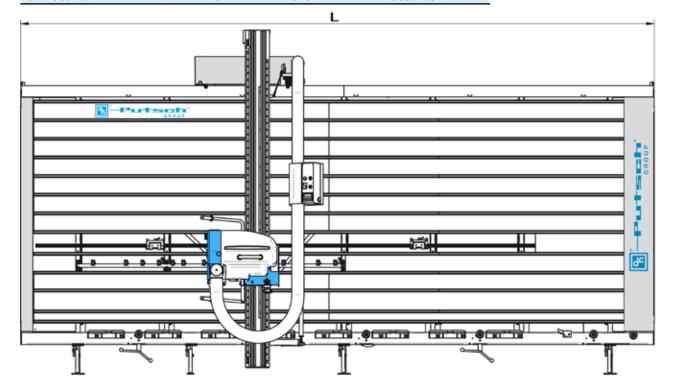
To help you prepare for the delivery of your new Putsch® SVP Series vertical panel saw, please feel free to use the dimensions below. All voltages are specified at 230V/ 3 ph/ 60 Hz unless otherwise indicated (460V is available as an option). Some machines may require air supply. Our Asheville, NC technical center is glad to provide specifications for shipping, space-planning, utility connection and other technical considerations. Please call Putsch® at 800-847-8427 or email info@putschusa.com.

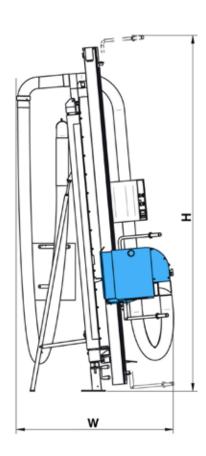
Space Requirements:

MODEL	Footprint (L x W)	Height	Overall Weight
SVP 133 Space Saver	12´3" x 5´	7′ 6"	1435 lbs.
SVP 133 & SVP 320	15´ 9" x 5'	9′4"	2030 lbs.
SVP 145 & SVP 420	18´ 4" x 5'	10´3"	2200 lbs.
SVP 420 A/T	21' 6" x 5'	10' 3"	2300 lbs.
SVP 950	24´ 4" x 5'	10´3"	2460 lbs.
SVP 980 A/T	24´4" x 5'	10′3"	3680 lbs.

Pre-Installation:

Upon receipt of the order, the Putsch® technical team will contact the customer to provide our Pre-Installation Checklist to help plan for the arrival and installation of the machine. This checklist must be reviewed, signed and returned before we schedule delivery and installation. Topics that will be covered will be to determine method of shipment, site preparation, onsite material handling, connection to power, dust and air systems (if applicable) and necessary tools so our technician can plan accordingly.





Shipping:

Each Putsch® vertical panel saw ships in two separate packages: the frame and the saw assembly (crated). At receipt of the order, our personnel will pre-assemble the frame with the rear supports and bottom feet, and place it on a pallet for safer handling, stable transport and faster installation. Machinery is warehoused in two locations, North Carolina and California. When possible, we will ship from the nearest warehouse to the customer in order to reduce freight cost.

Spare Parts and Technical Support:

Our Putsch® warehouse in Asheville, NC stores a robust inventory of ready-to-ship OEM wear-and-tear parts. We also employ a staff of factory-trained technical specialists who will help troubleshoot solutions, so your machine stays in good operating condition for years to come. We also serve a nation-wide network of Putsch® trained technicians and dealers to ensure that personalized service and support is never too far away.

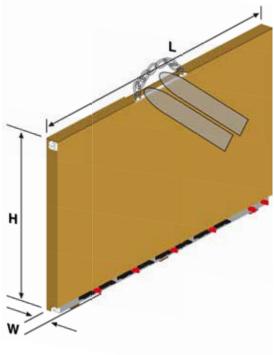
- To order spare parts, email info@putschusa.com.
- For technical questions, email sawtech@putschusa.com.
- To speak to a Putsch® support representative directly, please call 800-847-8427
- All inquiries can also be arranged through our website at www.putschusa.com/saws

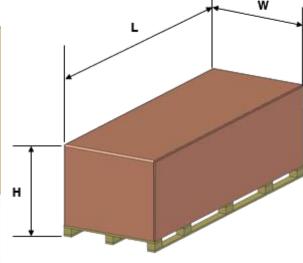
Frame Package:

MODEL	Length x	Width x	Height
SVP 133 Space Saver	12´ 6" x	8 in. x	5′ 5"
SVP 133 / 320	15′ 10" x	8 in. x	6′ 7"
SVP 145 / 420 / 950	18′ 5" x	8 in. x	7′ 8"
SVP 950	22´ 2" x	8 in. x	7′ 8"
SVP 980 A/T	22′ 8" x	8 in. x	7′ 8"

Saw Assembly Package:

MODEL	Length	(Width x	Height
SVP 133 Space Saver	9′ 6" x	3′ 7" x	2′2"
SVP 133 / 145	9′ 6" x	3′ 7" x	2´2"
SVP 320 / 420 / 950	10´2" x	3′ 8" x	3′ 10"
SVP 980 A/T	10′ 5" x	4′ 9" x	4′ 3"







Wooded skid for safe transport and movement of the saw frame.



GROUP



Putsch® Panel Processing

www.putschusa.com/saws PO Box 5128 Asheville, NC 28813

Toll-Free: 800-847-8427 Local Phone: 828-684-0671

Fax: 828-684-4894 Email: info@putschusa.com

Visit our Technical Center:

352 Cane Creek Road Fletcher, NC 28732



To better display features, options and various components of the machine, some images are shown with important safety features removed. We strongly emphasize that all machinery and equipment be operated only in accordance with operating instructions. Machines and installations described in this catalog are partially equipped with options available at additional cost. All descriptions and technical data are correct at the time of publication and are subject to change.

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