



**Putsch**<sup>®</sup>  
GROUP

SVP 420

**Putsch**<sup>®</sup>  
GROUP

# **Putsch<sup>®</sup> SVP Vertical Panel Saws**



**Putsch®**  
GROUP

## Putsch® Tradition

Founded in 1871, Putsch® is world renown for building cutting machines that meet the highest standards of precision and production quality.

Built by Putsch® since 1956, every SVP vertical panel saw is expertly sold and serviced in North America from our location in Asheville, NC.



***Through the Putsch® & Company facility in Asheville, NC, we are able to provide vertical panel saws, original spare parts and technical support for all of North America. Through our team of engineers, technicians and specialists, Putsch® is able to meet your unique production challenges and requirements.***

***Through personal consultation, Putsch® will help you prepare for the successful adoption of our vertical panel saw and plan for any necessary supporting equipment or accessories for a complete and customized cutting solution.***







*Our dedication to excellence shines through the quality of our service. When working with Putsch®, or a Putsch® authorized dealer, rest assured every request will be fulfilled quickly and accurately. Please stop by our showroom in Asheville to see our precision saws and people first-hand.*



## Designed for Versatility

Putsch® SVP vertical panel saws are built to process a variety of materials with precision. Through our many model and equipment options, Putsch® offers the flexibility to cut panel materials of nearly every size, shape and type including wood, aluminum composite material, plastic sheeting and SIPS panels..

### Wood-based Panels and Sheet Material

The Putsch® SVP Vertical Panel Saw makes easy work of wood-based panels and sheet materials such as plywood, fiberboard, oriented-strand board, solid wood, melamine, acoustic tiles, countertops and drywall. This flexibility makes Putsch® the saw of choice for fabricators the world over.

Our experienced technicians will configure the individual components of your saw to ideally process your material of choice and produce cuts that are clean and tear-free. For the best results, Putsch® offers an optional scoring system with an independent motor which also protects the surface finish of the material being cut.

### Aluminum Composite Material and Sandwich Panels

Putsch® excels in cutting composite panels such as Alucobond®, Alucore®, Dibond®, Etalbond®, SIPS and sandwich panels. Grooving composite materials is a cinch using our optional V-Groove precision blade that can be set to your desired depth and angle, allowing you to create accurate folds in the panel.

### Plastic Panels

Plastic panels such as Makrolon®, Plexiglas®, PVC foam, polycarbonate, copolyester, and acrylic are popular in manufacturing and for profile-shaping in the furniture industry, lathe construction and with stand and sign builders.

Putsch® offers our vertical panel saws with inverter technology, adjustable feed rates and special saw blades to protect the panels against scarring and scratching and thus protecting the finish of each panel.







PERSPEX™  
Guaranteed for 10 years  
Acrylic Sheet  
Resin Acrylic  
Acrylic Sheet

Registered to ISO 9002  
PERSPEX™  
Guaranteed for 10 years  
Acrylic Sheet  
Resin Acrylic  
Acrylic Sheet

Registered to ISO 9002  
PERSPEX™  
Guaranteed for 10 years  
Acrylic Sheet  
Resin Acrylic  
Acrylic Sheet

Guaranteed for 10 years



**Putsch®**  
GROUP

## The Putsch® Advantage

The design advantages of vertical panel saws are many. Vertical panel saws save precious floor space, offer safer material handling when compared to horizontal table saws, and offer the flexibility to cut a variety of flat panel materials with precision.

### Versatile

Putsch® offers a variety of standard and custom frame sizes to meet any size requirement. Putsch® also offers an array of options and accessories to provide the flexibility to process many types of material, creating a customized cutting and grooving solution.



### Space Saving Design

When compared to a standard free-standing panel saw, a vertical panel saw requires only half of the floor space with no loss of functionality.



### Increase Productivity

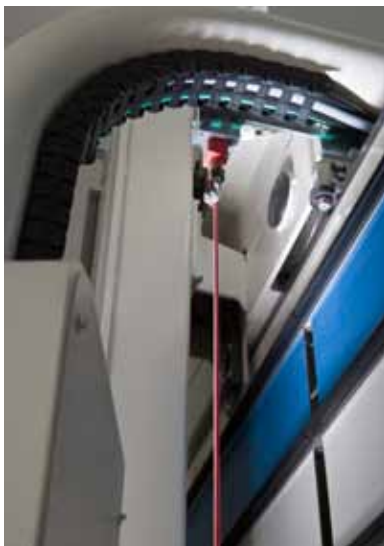
Automate the functions of your Putsch® vertical panel saw to reduce your staff workload and significantly increase productivity.





### Durable Precision

The heavy reinforced steel frame, precision guide rails and rolling bridge assembly ensures that the saw head delivers predictable and precise cuts that are accurate to .004 inch (0.1 mm over 1 meter). The high quality of every Putsch® saw component promises a machine that is built for years of production and Putsch® backs that up with a 2 year factory warranty (based on installation by a Putsch® authorized technician).



### Safety

The inclined vertical design holds the material being cut so you don't have to. The saw head moves along a precision guide rail and bridge assembly which means a worker's hands never have to manipulate the material during the cutting process, and are safely away from the moving saw blade.

All Putsch® SVP vertical panel saws are built in accordance with federal regulations and safety standards.



### Clean

Modern vacuum technology helps you maintain a safe and clean work environment. Every Putsch® saw comes equipped with chip and dust extraction built into the saw head. An optional TRK dust extraction system is available (mounted on the side on the support panel). Putsch® also offers the ECO Dust extraction system that is ideal for fine dust particles such as gypsum.



**Putsch®**  
GROUP



## Putsch® Quality Comes Standard

### Reinforced Steel Frame

The backbone of every Putsch® saw is our fully-welded, single piece, reinforced frame. The robust construction is vibration-free for precision cuts that are accurate to .004 inch (0.1 mm). The frame is meticulously built using heavy gauge steel for a stable and durable base that offers long production runs without compromising cutting quality.

Compared to horizontal saws, the vertical design requires half the floor space while also making materials easier to handle.

For limited space situations, Putsch® can design wall-mounting options or a modular frame for portability.



### Saw Head, Carriage and Bridge Assembly

The saw head drive unit moves along the saw carriage. The saw head rotates 90° to make both horizontal and vertical cuts, and features a powerful, self-braking motor.

The saw head is available with either a belt-driven or independently motorized scoring systems for clean, tear-free cuts. The maximum cutting depth is  $2 \frac{2}{5}$  inches (60 mm). An optional depth-stop is available which is ideal for grooving applications.

The saw bridge serves as the horizontal and vertical guide for the saw carriage. The saw bridge and saw carriage slide on precision ball bearing rollers for minimal resistance along the guide rails. The saw bridge rides on top and bottom mounted parallel guide rails for consistent horizontal cuts. For vertical cuts, a mechanical positioner secures the bar over the desired cutting position.

Measuring scales are found on the saw bridge, running from the bottom of the support to the center. For recurring horizontal cuts, programmable cams can be individually set for up to four cutting heights. An optional horizontal cutting jig can be mounted to the saw bar for repeat horizontal cuts.



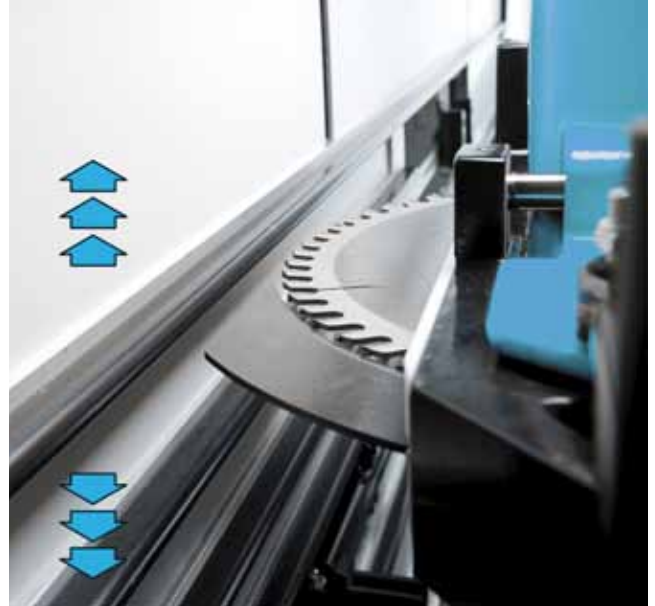


#### **Automatic Shifting Frame**

The Automatic Shifting Frame protects your investment by moving the support panel to align the blade with the cutting channels to prevent damage to the support surface during operation.

#### **Manual Shifting Frame**

The manual option is available with the Putsch® SVP 133 and Putsch® SVP 145 “S” versions to offer an economically minded way to avoid cutting the support panel via a lever mounted on the left side of the panel.



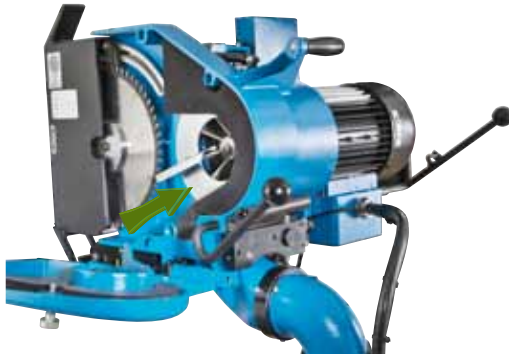
#### **Aluminum Support Feet / Supporting Rollers**

Our safe and sturdy panel support feet are mounted to the lower frame and precisely aligned for accurate horizontal cuts. These plastic-coated aluminum support feet are individually replaceable if necessary. Rubberized castors are provided to move larger, heavier panels and each castor can be replaced as needed.





**Putsch®**  
GROUP



## Featured Options

### Integrated Dust Extraction System

Removing chips and dust during the cutting process is accomplished primarily through an integrated dust extraction system housed within the saw head assembly. This system is connected to a closed dust extraction unit mounted behind the frame. The complete system substantially reduces debris from the work area while protecting the operator from hazardous particles in the air.



### TRK Dust Extraction System

The optional TRK Dust Extraction System is mounted on the right side of the support panel. This system is designed to continuously vacuum dust from the cutting area into the extraction filter throughout operation.

TRK is the abbreviation for „Technische Richt-Konzentration“ (Technical target concentration). When connected to a separate dust collector, the Putsch® TRK-value is less than 1 ppm (2 mg/m<sup>3</sup>).



### Putsch® ECO Dust Extraction System

The ECO Dust Extraction System was specifically designed with ultra-fine dust in mind. This optional system is ideal when cutting dust-prone materials such as plaster board, gypsum and drywall.

The system consists of a series of high airflow vacuum channels within the support panel that feature automatic pneumatically controlled valves. Only the required channel behind the material cut is opened to maximize airflow and fine dust extraction.



### V-Grooving and Composite Material Kit

When cutting and grooving materials such as Alucobond®, Etalbond® and plastic sheets, Putsch® can replace the impeller inside the saw head with a clog-resistant spacer to allow the free removal of chips and debris, which reduces the risk of damaging the saw motor. Putsch® offers V-Grooving attachments that are available in a variety of angles to meet any grooving or material shaping need.



### Retractable Middle Support Rail

Integrated into the center of the support panel is a retractable support bar that is ideal for smaller sized materials. This horizontal rail extends almost the full length of the machine at an ergonomically-friendly working height. An optional retractable support rail can be added to the right side of the work surface to offer a lower working height for difficult to handle pieces.



### Inclined-Cut Support Arm

The inclined-cut support arm is available to assist in cutting smaller pieces in angular shapes. This attachment can be secured to the frame in a few simple steps and can be adjusted in 5° degree increments.



### Vertical and Horizontal Digital Measuring Displays

Easy to read digital displays that accurately reflect units of measure. The displays are available in either standard or metric.



### Horizontal Strip Cutting Jig

This simple device allows you to make repeat accurate horizontal cuts.



### Sliding Support Panel

This sliding support holds narrow materials securely and at a safer working height.



**Putsch®**  
GROUP



**Putsch® SVP 133 & SVP 145**

### **Putsch® Model SVP 133**

The Putsch® SVP 133 is the most economical and space efficient way to integrate Putsch® technology into your production flow. Every SVP 133 features our reinforced steel frame, powerful 5 hp self-braking motor, retractable middle support rail, dust collection bag, four horizontal reference points and a complete set of service tools.

The SVP 133 series are built to the same high standards of our bigger machines and can handle the toughest jobs. These industrial quality saws are available in 3 primary configurations – the SVP 133 Space Saver, SVP 133 S and the standard SVP 133:

#### **Putsch® SVP 133 Space Saver**

The SVP 133 Space Saver offers a powerful cutting solution with a highly compact frame that can fit in almost any workshop. Sharing the same 5 hp motor of our larger

SVP 133 model, the 5' 3" x 8' 2" cutting area can process standard sized sheets with ease without sacrificing valuable floor space.

#### **Putsch® SVP 133 S**

The SVP 133 S offers an economically-friendly version of our standard SVP 133 model for workshops that need a reliable and powerful panel cutting solution. With a manually operated frame and a simpler control board, the SVP 133 S offers 5 hp of power, the strength of our welded steel frame and the precision cutting for which Putsch® is known.

#### **Putsch® SVP 133**

All SVP 133 models feature manual plunging and vertical operation through an ergonomic lever and visual beam alignment indicators. This model features an automatically shifting frame that aligns the cutting channels with the saw blade to prevent damage to the support surface.





***Putsch® special Edition SVP 145/45°***

## **Putsch® Model SVP 145**

The Putsch® SVP 145 offers economy and increased flexibility due to its large cutting surface. Every SVP 145 features our reinforced steel frame, powerful 5 hp (6 hp for automatic) self-braking motor, retractable middle support rail, dust collection bag, five horizontal reference points and a complete set of service tools.

These industrial quality saws are available in 4 primary configurations – the SVP 145, SVP 145 S, SVP 145 A and the special edition SVP 145/45°:

The **SVP 145** offers a larger cutting area than our SVP 133 model and a powerful 5 hp motor. When moving along the guide and when plunging the saw head, the machine features easy to use, ergonomic levers. The support panel manually shifts to align with the blade to avoid damage to the panel.

The **SVP 145 S** offers an economically-friendly version of our standard SVP 145 model for workshops that need a reliable and powerful panel cutting solution. With a manually operated frame and a simpler control board, the SVP 145 S offers 5 hp of power, the strength of our welded steel frame and the precision cutting for which Putsch® is known.

The **SVP 145 A** allows you to automate horizontal and vertical cuts once the positioning has been manually set. Also, the support panel shifts automatically to avoid accidental cuts by the saw blade. The machine comes pre-equipped for installation to an independent dust collection system to be provided by the customer.

The **Putsch® Special Edition SVP 145/45°** features a tilting saw beam that allows for 45° miter cuts on the vertical and horizontal edge. For the 45° miter setting, there are 6 dust vacuum extractors.



**Putsch®**  
GROUP

### Putsch® Models SVP 320/420

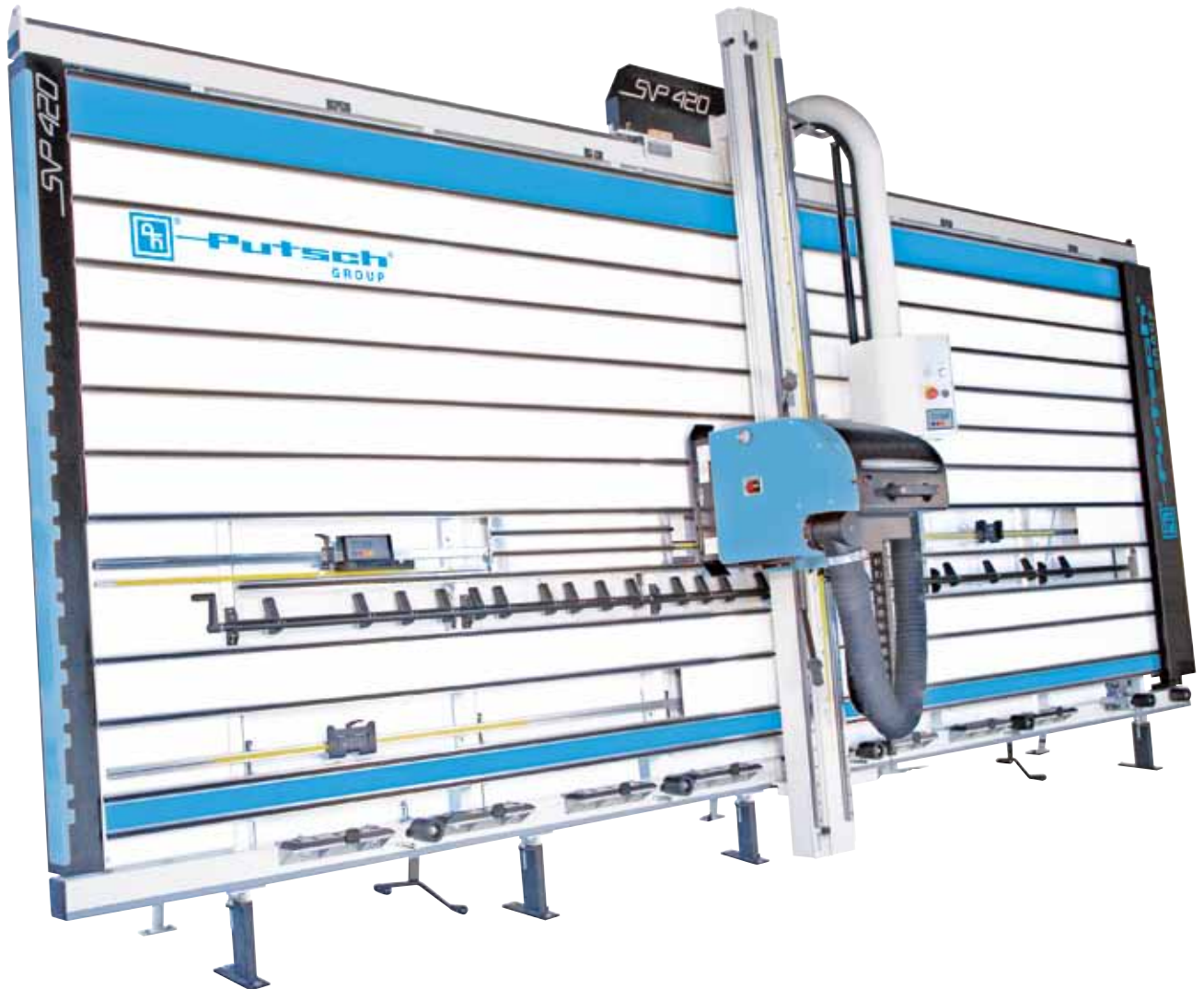
The Putsch® Models SVP 320 and SVP 420 are the perfect combination of technology and compact design; marrying the space-conserving frames of our SVP 133 (SVP 320) and the SVP 145 (SVP 420) with the solutions and features from our premium model, the Putsch® SVP 980. The saw also features an ergonomically designed saw head assembly.

A key feature is the linear guide rail system that precisely and smoothly guides the saw carriage. The saw beam features a built-in guide for higher cutting accuracy, and the guides are easily replaceable if damaged or worn.

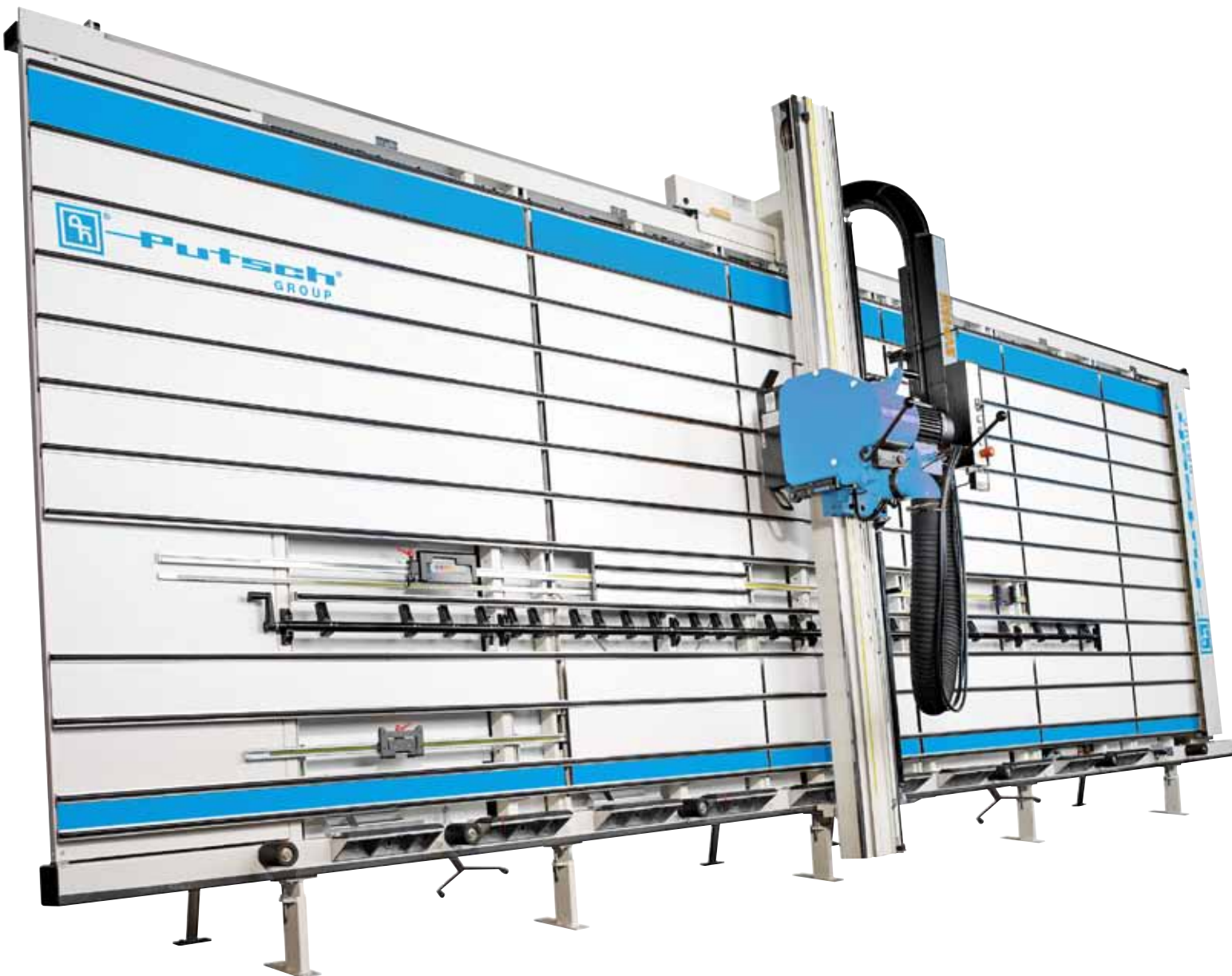
The Putsch® SVP 320 and SVP 420 are available with an optional depth-stop to regulate the cutting depth, which is an essential feature for v-grooving applications. The depth-stop is located directly at the saw power drive for fast and easy depth setting.

The independently motorized scorer that comes standard is easy to maintain and extremely reliable. The motor is automatically activated during the plunging of the saw blade and disengages when the blade is not actively cutting.

The SVP 420 is also available as an automatic model that offers automated horizontal and vertical cuts. This is possible once the dimensions have been manually set.







## Putsch® Model SVP 950 M/A

The Putsch® SVP 950 is an ultra-powerful 7.5 hp machine designed for industrial applications within such industries as furniture fabrication and timber mills.

The saw has a longer cutting length of almost 17 feet, 5 inches (5300 mm). The displacement function of the grid system is inductively controlled and wear-resistant. A reinforced, larger-dimensioned saw assembly carries an almost 12 inch (300 mm) saw blade that increases the cutting depth to 3 inches (80 mm), which is an increase from the standard 2 2/5 inch (60 mm) cutting depth.

This increases both the cutting capability and material processing speed of the saw.

The Putsch® SVP 950 features two ergonomically shaped handles for simple, quick and precise handling of the saw assembly, and the assembly features an insertion mechanism for easy plunging on higher vertical cuts.

The Putsch® SVP 950 comes equipped with an auxiliary support rail for small and heavy materials, a central retractable support over the entire working length and a stopping strip for repeat horizontal cuts. The saw is also available in an automatic version.



**Putsch**<sup>®</sup>  
GROUP



### **Putsch<sup>®</sup> Model SVP 980 M/AT**

The Putsch<sup>®</sup> SVP 980 AT is our fully-automatic, premium model panel saw for industrial use. The automated cutting flexibility allows you to increase output and reduce the unit cost of each panel produced. The SVP 980 is also available as a manually operated model.

The SVP 980 features a precision linear guide rail system for smooth, accurate cuts and an independent scoring motor for a clean final result.

### **Innovative Computer Control System with Touch Screen Display**

The Putsch<sup>®</sup> SVP 980 AT is equipped with an innovative computerized control system and a color touch screen display that is easy to read; even in low light.

From the display you can select your language of choice (English, Spanish, French, etc.), select the desired cutting position, program cutting dimensions, and adjust the feed rate and other control settings. All options are controlled through the PLC display.

The Putsch<sup>®</sup> SVP 980 AT model features a USB and network interface for remote access to error messages, data retrieval and software updates.





### Lower Operating Costs through Full Automation

The digital positioning system can be programmed and store multiple measurements to control and drive the saw bar and carriage assembly.

The horizontal cuts are performed by the automatic cutting system. An automatic sensor detects the vertical and horizontal ends of the panel, and positions the saw bar to the desired cutting position.

Once the desired position has been reached, the saw head will automatically plunge to start the cut. Once the cut is completed, the saw head will pull back on its own, and if desired, return to the original cutting position saving both time and cost of operation.

### Comprehensive Ease of Use

All functions such as changing the vertical and horizontal cutting positions, switching scorers, activation of the window cut function and edging programs are controlled by the touchscreen display and automatically executed.

All operation data is readily featured on the display and the operator can retrieve relevant data quickly and accurately. Status and maintenance messages are simple to understand, with color symbols and descriptive text. Settings, technical data, operating instructions and service videos can be quickly recalled and viewed on the screen, saving the operator from having to search through a printed operator's manual.



## Technical Data

MODEL	LENGTH	WIDTH	HEIGHT
<b>SVP 133 SPACE SAVER</b>	12' 3" (3725 mm)	4' 7" (1400 mm)	7' 6" (2295 mm)
<b>SVP 133 S</b> <b>SVP 133</b>	15' 2" (4630 mm)	4' 11" (1500 mm)	8' 6" (2600 mm)
<b>SVP 145 / S / 45°</b>	18' 4" (5600 mm)	4' 11" (1500 mm)	SVP 145 & 145 S: 9' 10" (3000 mm) SVP 145 / 45: 10' 10" (3300 mm)
<b>SVP 145 w/ Scoring</b> <b>SVP 145 A</b>	18' 4" (5600 mm)	4' 11" (1500 mm)	10' 49" (3150 mm)
<b>SVP 320</b>	16' 5" (5000 mm)	4' 7" (1400 mm)	9' 4" (2850 mm)
<b>SVP 420</b>	18' 10" (5750 mm)	4' 7" (1400 mm)	10' 4" (3150 mm)
<b>SVP 420 A</b>	19' 2" (5850 mm)	4' 7" (1400 mm)	10 ft. (3050 mm)
<b>SVP 950 M/A</b>	21' 6" (6550 mm)	4' 11" (1500 mm)	9' 10" (3000 mm)
<b>SVP 980 M/AT</b>	24 ft. (7300 mm)	4' 11" (1500 mm)	10' 4" (3150 mm)

MODEL	MAX. CUT HEIGHT	MAX. TRIMMING HEIGHT	MAX. CUTTING LENGTH	MAX. CUT DEPTH	MOTOR HP	BLADE DIAMETER	BLADE SPEED (RPM)
<b>SVP 133 SPACE SAVER</b>	5' 3" (1600 mm)	4' 7" (1400 mm)	8' 2" (2500 mm)	2 2/5" (60 mm)	5 hp	10" (250 mm)	5300
<b>SVP 133 S</b> <b>SVP 133</b>	6' 3" (1900 mm)	5' 6" (1700 mm)	10' 6" (3200 mm)	2 2/5" (60 mm)	5 hp	10" (250 mm)	5300
<b>SVP 145 / 45°</b>	7' 2" (2200 mm)	6' 10" (2080 mm)	13' 9" (4200 mm)	2 2/5" (60 mm)	5 hp	10" (250 mm)	5300
<b>SVP 145 A</b>	7' 2" (2200 mm)	6' 10" (2080 mm)	13' 9" (4200 mm)	2 2/5" (60 mm)	6 hp	10" (250 mm)	5300
<b>SVP 320</b>	6' 3" (1900 mm)	5' 6" (1700 mm)	10' 6" (3200 mm)	2 2/5" (60 mm)	5 hp	10" (250 mm)	5300
<b>SVP 420</b>	7' 2" (2200 mm)	6' 10" (2080 mm)	13' 9" (4200 mm)	2 2/5" (60 mm)	5 hp	10" (250 mm)	5300
<b>SVP 420 A</b>	7' 2" (2200 mm)	6' 10" (2080 mm)	13' 9" (4200 mm)	2 2/5" (60 mm)	6 hp	10" (250 mm)	5300
<b>SVP 950</b>	7' 2" (2200 mm)	6' 11" (2100 mm)	17' 5" (5300 mm)	3" (80 mm)	7.5 hp	12" (300 mm)	5000
<b>SVP 980</b>	7' 2" (2200 mm)	6' 11" (2100 mm)	17' 5" (5300 mm)	3" (80 mm)	7.5 hp	12" (300 mm)	5000

**Voltage:** 400 V / 3 ph. / 50 Hz or 230 V / 3 ph. / 50-60 Hz



## Packaging:

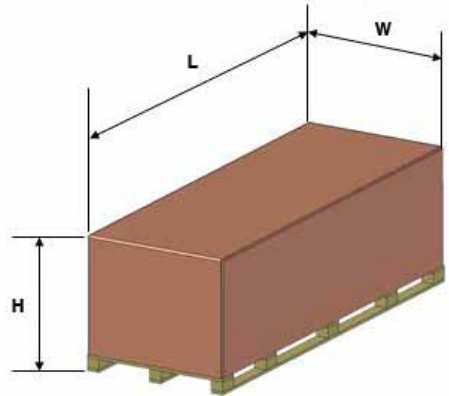
The saw bridge and assembly are shipped independently of the frame and support panel.

## Dimensions of the saw bridge and assembly container:

<b>SVP 133 Space Saver:</b>	9' 6" x 3' 7" x 2' 2"	(2900 mm x 1100 mm x 650 mm)
<b>SVP 133 / 145:</b>	9' 6" x 3' 8" x 2' 3"	(2900 mm x 1130 mm x 680 mm)
<b>SVP 320 / 420 / 950:</b>	10' 2" x 3' 8" x 3' 10"	(3100 mm x 1130 mm x 1150 mm)
<b>SVP 980:</b>	10' 5" x 4' 9" x 4' 3"	(3180 mm x 1450 mm x 1300 mm)

## Container Weight:

<b>SVP 133 Space Saver:</b>	661 lbs.
<b>SVP 133:</b>	992 lbs.
<b>SVP 145:</b>	1010 lbs.
<b>SVP 145 A:</b>	1190 lbs.
<b>SVP 320:</b>	1080 lbs.
<b>SVP 420:</b>	1100 lbs.
<b>SVP 420 A / 950 M:</b>	1280 lbs.
<b>SVP 950 A:</b>	1460 lbs.
<b>SVP 980:</b>	2340 lbs.

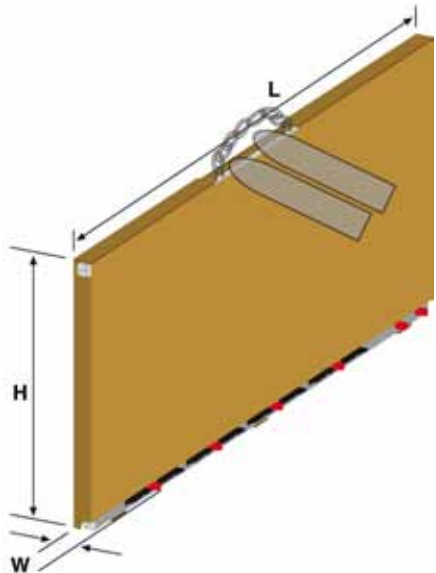


## Dimensions of the frame and support container:

<b>SVP 133 Space Saver:</b>	12' 6" x 8 <sup>2</sup> / <sub>3</sub> " x 5' 5"	(3800 mm x 220 mm x 1650 mm)
<b>SVP 133 / 320:</b>	15' 10" x 8 <sup>2</sup> / <sub>3</sub> " x 6' 7"	(4830 mm x 220 mm x 2000 mm)
<b>SVP 145 / 420:</b>	18' 5" x 8 <sup>2</sup> / <sub>3</sub> " x 7' 8"	(5610 mm x 220 mm x 2350 mm)
<b>SVP 950:</b>	22' 2" x 10" x 7' 8"	(6570 mm x 250 mm x 2350 mm)
<b>SVP 980:</b>	22' 8" x 10" x 7' 8"	(6900 mm x 250 mm x 2350 mm)

## Container Weight:

<b>SVP 133 Space Saver:</b>	948 lbs.
<b>SVP 133 / 320:</b>	772 lbs.
<b>SVP 145 / 420:</b>	1100 lbs.
<b>SVP 950:</b>	1180 lbs.
<b>SVP 980:</b>	1340 lbs.





**PUTSCH**  
GROUP

**[www.putschusa.com](http://www.putschusa.com)**

P.O. Box 5128 · Cane Creek Road · Asheville, NC 28813 / USA

☎ + 1 (828) 684-0671 · FAX + 1 (828) 684-4894

E-mail: [info@putschusa.com](mailto:info@putschusa.com)

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

© 2012 All Rights Reserved, Putsch® & Company, Inc., Asheville, NC, USA