

V 91 basic

V 91 twin II

690-B easy4mat pro

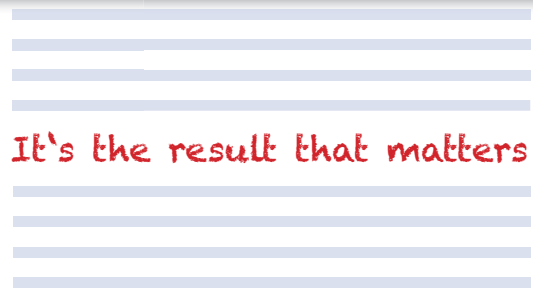
690-B easy4mat basic



Panel rip and crosscut saws



It's the result that matters



## V 91 basic - 5,7" Touch-Screen

Display of the current cutting height and input field for new position value, including optional calibration function.

### Cutting height

Display for the scoring saw position side and height, including input field for new position values.

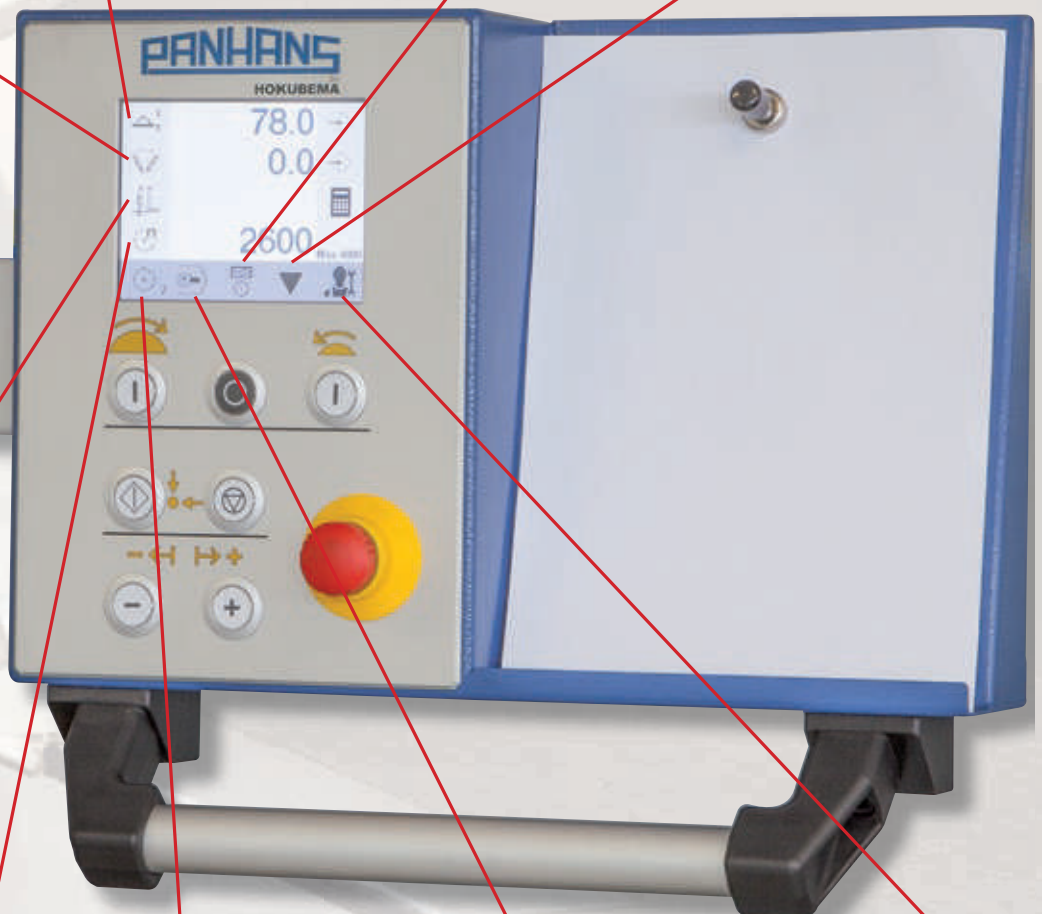
### Scoring saw position

Menu for automatic or manual calibration of the cutting height, swivel angle, electro motor width stop, scoring position side and height.

### Calibration

Display of the current swivel position or new position value.

### Swivel position



### Width stop

Automatic setoff from the saw blade to the width stop via a graphical display; The calculated size depending on saw blade thickness and swivel angle is displayed. The manual stop is set to this value, the display on the digital display takes place well visibly on the width stop. If the stop can be moved with a motor, the length offset takes place automatically. Including groove programme, absolute and incremental measure function at electromotor-controlled width stop.

### Speed

Display of the current speed and input field for a new speed (smoothly from 1000 - 6000 rpm).

### Tool administration

Tool management for 10 different saw blades; The data for saw diameter, steel blade thickness, tooth width and max. speed are used to set-off the cutting height, width stop position, position of the scoring saw and the max. admissible rotating speed.

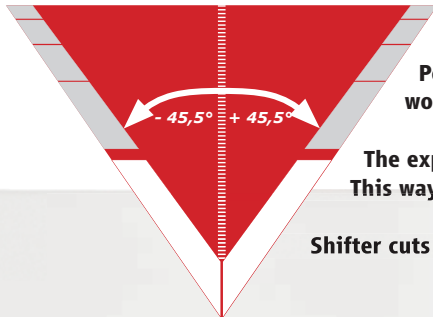
### Programme memory

Programme memory for 25 numeric programmes  
1 size = 1 programme

### Parameter settings

Menu parameter settings for the machine functions and values, password protected, including operating hours counter.

## The models V 91



### 45.5° in either direction

Positive and negative mitres can be cut with the PANHANS V 91 models without changing the workpiece position. The workpiece does not need to be turned. This saves time and effort.

The exposed side of the workpiece remains on top, no matter the saw blade's inclination. This way, tear-out-free work is ensured in any case.

Shifter cuts become child's play.



V 91 basic

All benefits of the bilateral saw blade position in combination with reduced serial equipment.

### V 91 twin II

The top model in the PANHANS-range

Comprehensively equipped, this panel rip and crosscut saw leaves nothing to be desired no matter the work.

All benefits of the bilateral saw blade position in combination with reduced serial equipment.



Figures include options

## V 91 basic V 91 twin II - Highlights

### Vibration-free swivel drive

The drive unit is not connected to the worktable.  
This PANHANS-specific bearing prevents the transmission of oscillations and vibrations to the working area.

The drive is designed energy-efficiently.  
Smooth speed regulation is the standard in this class.



### Rotating protective hood

PANHANS sliding saws of the V 91 series work with only one protection hood. The sophisticated rotating mechanism permits adjusting the hood individually to the saw blade position.

Does not need to be replaced - cannot be lost!

### Finest cuts

PANHANS sliding saws of the V 91 series can work in any direction.

The saw blade swivelling by 45.5° in either direction opens up new processing options.

The setting via a logically working display facilitates work and ensures highly precise cuts as a result.



## V 91 basic

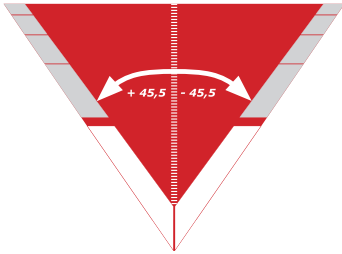


Figure includes options

### Technical equipment

- Electromotor height and swivel adjustment + 45.5° to - 45.5°
- Control via 5.7" touch screen at the machine body
- Motor 7.5 kW / 10.2 PS
- Rotating speed main saw 1000 - 6000 rpm, gradually
- Energy-efficient drive
- Cutting height 172.5 mm maximum, for saw blade Ø 500 mm
- Cutting width 1250 mm, opt. 1500 mm, manually adjustable, on request adjustable by electromotor
- Cutting length roller cart 3200 mm, opt. 2000 / 2600 / 3800 mm
- Length stop 3200 mm





### Touchscreen 5.7"

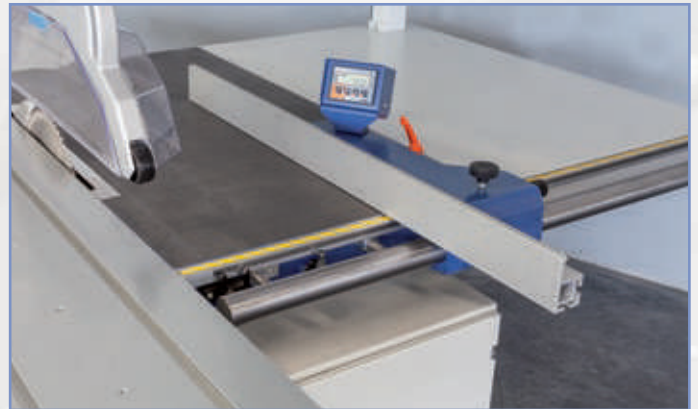
The operating element at the machine body of the V 91 basic sliding saw is programmable easily and well-structured.

### Width stop

The cutting width is set manually with the stable stop via fine setting and clamping.

The set stop position is digitally indicated well-structured in the rotating housing, including switching function for size offset of the stop profile high/flat.

Stop can be folded under the table. The absolute measuring system provides the correct size when swivelling up the stop. No calibration required.



### Cross-carriage with length stop

Stable cross-carriage with carrying roller and quick-lock receptacles

Self-latching tool-less plug-in system for the length stop with moving folding and end stop.

Size setting via scale and magnifying glass.

### Smooth speed regulation

The rotating speed of the saw blade can be individually smoothly regulated via the control.

The saw adjusts to the inserted saw blade and the required work steps.



**Special equipment can be combined with**

- V 91 basic 1
- V 91 twin II 2
  
- 690-B easy4mat pro 3
- 690-B easy4mat basic 4



## Special Equipment



**Digit-PAB** item no. 4455

**3 4**

Digital measuring displays for the width stop with switching function and size offset.

The stop profile can be used high or flat.

The set stop position is displayed digitally and well-structured in the rotating housing.

The absolute measuring system provides the correct size even after swivelling away the stop.

No calibration required; Reproducible dimensional accuracy 0.1 mm



**R 4 remote control** item no. 4155

**3 4**

Larger cutting widths at the width stop can be set manually from the roller cart side.

Only applicable in connection with Digit-PAB.



**Width stop electromotive**  
1250 mm and 1500 mm widet

**1 2 3 4**

Electromotor adjustment with an accuracy of 0.1 mm. The dimension input via keyboard, automatic positioning with ID and setoff of the stop profile (high/flat), including safety deactivation strip

The stop top can be removed to create a free table space. It is operated from the roller cart side.

- |                                      |               |
|--------------------------------------|---------------|
| 1250 mm for model V 91 basic         | item no. 4413 |
| 1250 mm for model 690-B easy4mat pro | item no. 4411 |
| 1500 mm for model V 91 basic         | item no. 4414 |
| 1500 mm for model V 91 twin II       | item no. 4590 |
| 1500 mm for model 690-B easy4mat pro | item no. 4412 |



**Calibration device** Item no. 4583

**1 2 3 4**

For automatic calibration of the cutting height to 50 mm at different saw diameters.

For subsequently sharpened saws, the precise saw protrusion or cutting height after saw blade change is secured at all times.



**Operating panel top, no. 4587** **3**

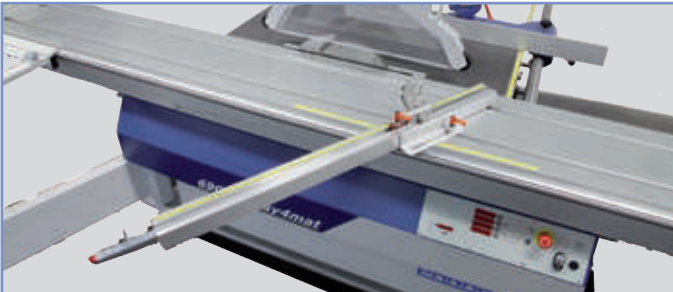


**item no. 4593**

**1**

Operating panel placed at eye level on top, including a circular saw protection device that can be swivelled away and a comfortable table widening.

Sensible when cutting large plates.



Standard mitre stop      item no. 4591      1 2  
   item no. 4592      3 4

The stop is fastened on the roller cart and can be swivelled to either side.

The roller cart groove has a degree scale from 45 – 60°, with extensible shortening stop up to 2000 mm length and a stop flap.



SUPER-GEHRFIX I    item no. 4383      1 2  
   item no. 4315      3 4

Combined mitre and length stop with extraordinary performance spectrum - manually and fitting exactly.

For angular cuts of 45° to 135°, with standard length stop.

Integral numbers and intermediate degree values are available for the angles 67.5/78.75/101.25/112.5°.

Automatic length compensation via a grid curve of stainless steel.



SUPER-GEHRFIX II    item no. 4385      1 2  
   item no. 4303      3 4

Combined mitre and length stop for angle cuts of 45° to 135°, with standard length stop.

With digital display of the degrees; Can be set and read to 0.1° without grid.

Automatic length compensation via a grid curve of stainless steel.



Mitre auxiliary stop    item no. 4173      1 2 3 4

The trouble-shooter when producing blunt and pointy mitres

Can be combined with Super-Gehrfix I + II

For stopping and damage-free shortening of mitres already cut to size

As an additional stop for the length stop with adjustable angle, offset size against the stop flap 100 mm.



Double-sided mitres top DSG      1 2 3 4

The DSG solves all tasks quickly and smoothly when producing mitre cuts at narrow and short workpieces at any angle from 0° - 90°.

Easy handling and quick assembly on the ALU-double roller cart; With length compensation for infeed angles 5/10/15/22.5/30/45/60/67.5° for shortening up to 1375 mm; The scope of delivery includes splinter wood and a practical wall holder.

DSG A-S length and angle size accordingly via scale      item no. 4379  
DSG A-D length size via scale and angle size is digital      item no. 4380



**Special equipment can be combined with**

- V 91 basic 1
- V 91 twin II 2
  
- 690-B easy4mat pro 3
- 690-B easy4mat basic 4



## Special Equipment



**Parallel stop** item no. 4488 1 2 3 4

Stop that can be moved on the roller cart for cutting long narrow strips with a cutting width up to 800 mm

- Easily adjustable via the adjustable measuring scale
- Including folding stop and magnifying glass.



**Length stop Tele-Digit** item no. 4166 1 2  
 item no. 4167 3 4

With central digital and wireless dimension indication 0.1 mm  
 Can be switched between the front and rear stop flap

- Can be used at up to 3000 mm
- The Tele-Digit length stop is used instead of the standard length stop.



**Scoring saw auto EPS** 1 2 3 4

Electromotor-powered positioning for the side and height adjustment, including the parking position behind the main saw blade

- Larger saw blades can be used without removal of the scoring saw blades.
- The scoring saws are not in the contaminated area. When activated, the unit moves to the saved setting positions.

- for model V 91 basic item no. 4213
- for model V 91 twin II item no. 4571
- for model 690-B easy4mat pro/690-B easy4mat basic item no. 4384



**Scoring system Quick-Step** 1 2 3 4

Tool-free manual adjustment of the scoring width of 2.8 to 3.8 mm by grid adjustment by 0.05 mm

- Including a set of scoring saw blades
- The main saw blade is set quickly and easily.

- for model V 91 basic and V 91 twin II item no. 4565
- for model 690-B easy4mat pro/690-B easy4mat basic item no. 4550



**Protection devices can be swivelled away** item no. 4498 3

Including full-area comfortable table widening 1200 x 780 mm for cutting extremely high workpieces

- High operating comfort at saw blade change
- Can only be used in combination with standard control - at the machine body.



Laser item no. 4320

1 2 3

For visual display of the cutting joint on scoring or trimming cuts, in boards with wood edge

The laser is attached to the protection device.



Remote latching of the roller cart item no. 4483

1 2 3 4

Blocking the top cart in the loading position on the far right

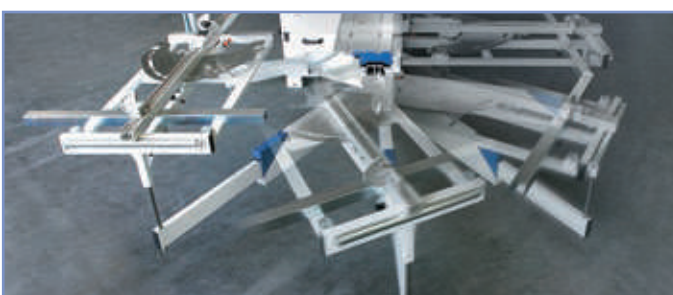
This way, large plates can be easily aligned on the machine.



Additional support item no. 4321

1 2 3 4

Support can be slid into the roller cart, preventing hanging through of large plates.



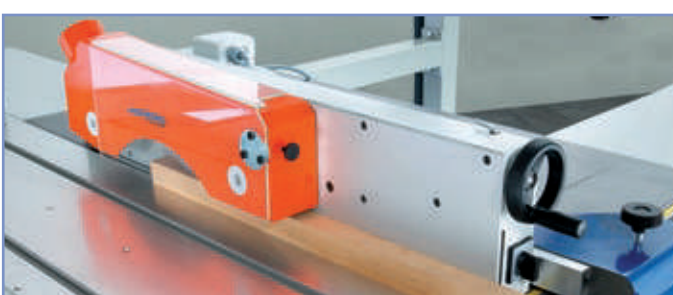
Turn-away device item no. 4440

1 2 3 4

Swivels the cross-carriage including set-up length stop into the parking position behind the machine table.

Quick and safe to operate by one person

Swivelling away creates a free access right next to the roller cart.



Circular saw infeed device item no. 2078

1 2 3 4

Special Panhans know-how for contemporary production.

For safe and rational cutting of strips, boards, window scantlings, etc. of solid wood.

3 height-adjustable infeed rollers up to a height of 80 mm, actuated via hand wheel; 2 infeed speeds (13 + 26 m/min); Extraction socket 80 mm diameter.

Simple, fast and tool-free assembly at the width stop instead of the stop profile.

Width setting via the width stop with offset size 100 mm.

Including automatic clamp on the machine table via safety magnet.

## Additional equipment from the HOKUBEMA SI-TEC programme



Front and rear sawing aid Multi-Cut item no. 3364

For safe separating, trimming, sawing according to scoring line and upright grooving of solid wood and boards.

Solid wood can be safely held with the 3 clamping tips each. The opposite rubber edges can also fasten workpieces up to approx. 10 mm width safely and without damage.

Simple clamping in the T-groove of the roller cart by adjustable guide elements with a groove width of 19-23 mm.



Safety-Power item no. 3368

Safety-Power for safe fastening of short and narrow workpieces at the stop, in the entire area from +45° to -45°

Guide elements can be set from 19-23 mm groove width.

(recommended in connection with Safety-Cut plus)



Safety-Max item no. 3365

For safe guidance of workpieces to the right of the circular saw blade.

The precise guide at the aluminium profile of the circular saw stop keeps the operator's hand permanently outside of the danger area and prevents danger of accident if handled appropriately.



Drilling

Sawing

Milling

Planing

SI-TEC

Service

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