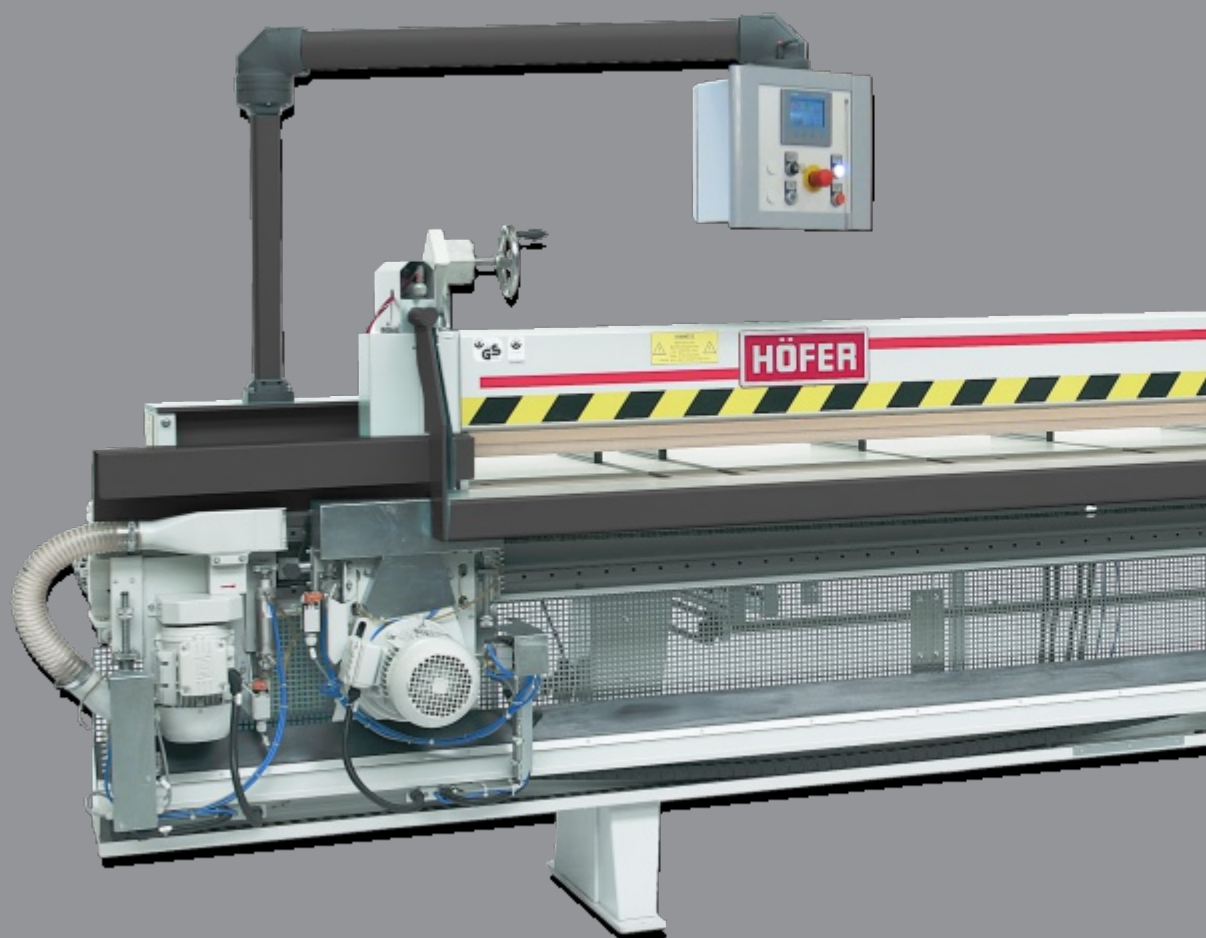


# HÖFER

## Presstechnik



# FSP

## Veneer saws

# Veneer saws economical and efficient

## Overview

The sophisticated and field-proved machine is made for clean joint cuts of all sorts of veneer and for accurate, splinter-proof cuts of wooden panels and chipboards as well as veneered panels, acrylic glass, aluminium, building boards and flat laminates.

## Standard details:

- The base construction plus the pressure beam are extremely solid and warp resistant
- Saw and milling unit and the back gauge run on linear-guideways
- To accentuate are the central greasing points for convenient and simple maintenance
- Well figured out safety-features and an ergonomic arrangement of the controls characterize this machine

HÖFER uses **linear-guideways**. These guideways combine

- High carrying capacity and precision with
- Long endurance and
- Low maintenance requirements

The high robustness and precision is a result of the combination of four ball races and hardened and tempered materials. Guiding systems of the same design are also applied in CNC-machines.

A great solid machine design as well as practical components make the Veneer- and Panelsaw to a very reliable and precise machine. The high operational availability and the long endurance of this saw guarantees a good profit ratio.

## FSP with manual feed

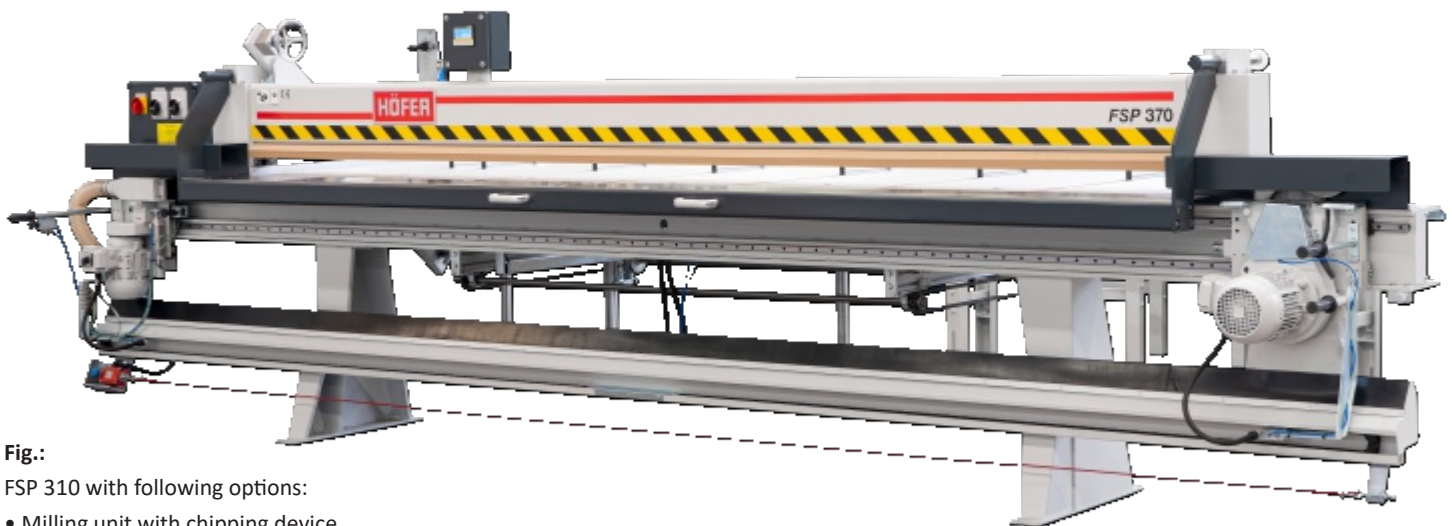


Fig.:

FSP 310 with following options:

- Milling unit with chipping device
- Manually adjustable front support table
- Rear support table with back gauge
- Digital position-display with handwheel-adjustment

## FSP-V with electromotoric feed



**Fig.:**

FSP-V 310 with following options:

- Milling unit with chipping device
- Pneumatic adjustable front support table
- Rear support table with back gauge
- Back gauge, double pneumatically lowering parallel fence
- Digital position-display with handwheel-adjustment

The FSP-V is the most popular veneer saw among the 3 basic models. Due to the electromotoric feed this machine is extremely user friendly and helps to prevent premature fatigues. Hence an constant quality of the veneer sheets is given.

The operating panel includes also a state-of-the-art high resolution thouchscreen.

On the swiveling and rotating console unit the control elements are ergonomically mounted.

Following processing programs are available:

- Sawing
- Chipping
- Sawing / milling
- Sawing / milling with offet - very helpful for brittle veneer
- Milling
- Chipping / Milling

In order to meet the high quality standards in the veneer processing, the feed speed can be adjusted optimally with two potentiometers in forward or rewind, separated of each other.



## Presstechnik

### FSP-Automatic



**Fig.:**

FSP-Automatik 370 with following options:

- Rear support table with back gauge
- Back gauge, double pneumatically lowering parallel fence
- Digital position-display with handwheel-adjustment

In the development of the veneer saw FSP-Automatic, Höfer has the main focus to the requirement of modern manufacturing.

Due to the future oriented concept of this machine includes, additional to the equipment of the FSP-V, following features:

- Synthetic slat cover in the cutting area affords the optimal contact safety
- Automatic cutting processes and as an option
- Automatic cutting-length device.

The operator only has to close the pressure beam and start the selected program. The operator is free for other operations during the sawing and the milling sequence. This enables further rationalization potentials.

# OUR STRENGTH APPEARS

## IN DETAIL

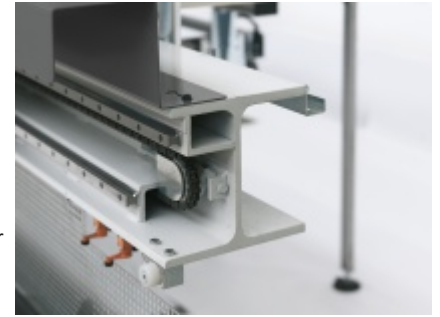


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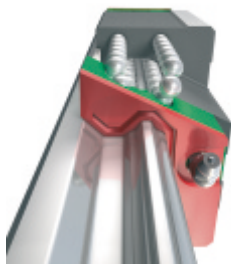
### Operation\*

- High resolution 7" touchscreen
- Selection of operating modes
- Speed selection for forward or rewind
- Display for back gauge position by handwheel resp. motoric drive.



### Construction

An extreme solid and warp resistant base construction is the basic requirement for durable and precise unit guidance.



### High-precision linear guiding systems

All units and stops run in each case on 2 high-precision linear-guideways. This system enables highest cutting quality with long endurance and high reliability.



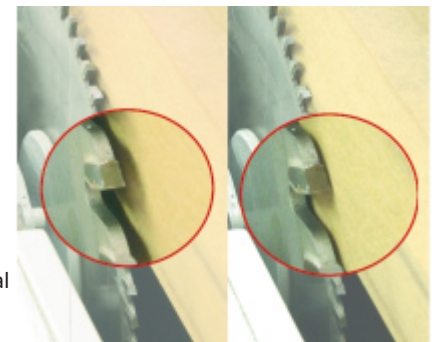
### Saw- and milling unit

Lifts and lowers pneumatically and runs on linear-guideways. The cutting and milling height is infinitely variable. So the tools have an optimal utilization.



### Central greasing points

Easy-to-reach central greasing points are main elements of efficient maintenance.



### Pneumatic sawblade adjustment\*

According to the operation mode, the sawblade adjusts itself automatically for an optimal cutting performance.



### Milling unit with chipping device

Easy disposal of the veneer overhang (up to 25 mm) in the milling mode is effected by the extraction system.



### Gear rack balance

A heavy duty gear rack balance shaft ( $\varnothing$  60 - 70 mm) avoids a slanting position of the pressure beam when short workpieces are treated.

\* except FSP with manual feed



### Front support table

For an easy handling of veneer stacks. Veneer offcuts remain on the table. The solid construction guarantees a long lasting efficient function. (optional)

### Pressure beam

The solid pressure beam fixes the workpiece with a clamping force of approximately 1.000 kg (at 6 bar systempressure).

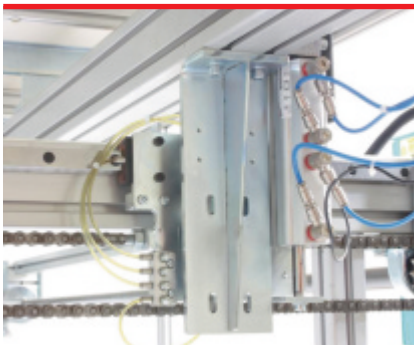


### Rear support table

The back gauge can be set via handwheel (accuracy 0,1 mm) from 15 to 600/900 mm. Gauge referencing happens automatically. (optional)

### Rear support table

Complete lowered stops enable a quick and gentle manipulation of the workpieces. (optional)

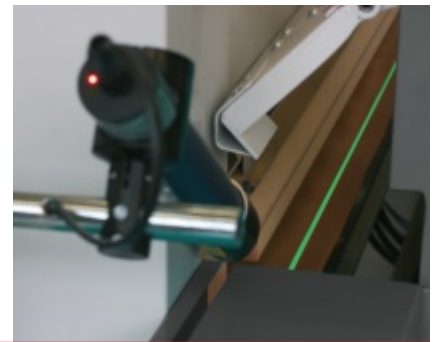


### Rear support table

The drive of the back gauge is carried synchronally in order to ensure easy moves and precision even with excentric charges. Easy maintaince of the linear guideways via central grease points. (optional)

### Laser

Flat joint laser beam – the best for trimming. (optional)



### Miter cut

For a precise miter cut. Ledgers facilitate adjustment. (optional)

### Tool center

All necessary tools for sawblade or milling cutter change are on one spot.



# Technical data

		3100	3700	4300
<b>Cutting length</b>	[mm]			
Cutting height max.	[mm]	45		
Power – saw	[kW]	2,2		
Power – milling unit	[kW]	1,1		
Power – auto feed*	[kW]	0,55		
Compressed air	[bar]	5 – 6		
Exhaust capacity	[m <sup>3</sup> /h]	1500		
Exhaust speed	[m/sek.]	20		
Exhaust underpressure	[Pa]	1200		
<b>Working height</b>				
FSP	[mm]	850		
FSP-V + FSP-Automatic	[mm]	930		
<b>Weight without options, approx.</b>				
FSP	[kg]	900	1200	1500
FSP-V	[kg]	950	1250	1550
FSP-Automatic	[kg]	1000	1300	1600
<b>Space requirements with rear support table</b>	(l x w)			
FSP + FSP-V	[mm]	4600 / 1550	5200 / 1550	5800 / 1550
FSP-Automatic	[mm]	4810 / 1600	5410 / 1600	6010 / 1600

Special sizes and special equipement on request.

## Basic equipment

- TCT-Sawblade Ø 180 mm
- Dust extraction channel Ø 120 mm
- Electromotoric powered feed\*
- Manual sawblade adjustment\*\*
- Pneumatic sawblade adjustment\*
- Swivel control console\*
- Air preparation unit - semiautomatic
- Aligner 90°
- Tools

## Additonal equipment

- Milling unit with chipping device
- Pneumatic sawblade adjustment\*\*
- Rear support table with back gauge and digital position display with handwheel adjustment
- Single-axle position control for the back gauge\*
- Pneumatically lowering of back gauge
- Miter angle for rear support table
- Front support table - manual slideable\*\*
- Front support table - pneumatically slideable\*
- Flat joint laser light
- Frequency converter for saw-unit

## Certificates:

- Declaration of conformity
- HÖFER Quality Certificate



Subject to technical alterations, errors and misprints excepted.



HÖFER produces and assembles all machine components in their 10.000 m<sup>2</sup> state-of-the-art production facilities.



Quality from Austria



V2.6

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