



# CF 741 S Professional

## A perfect combination of 5 stand alone machines

The CF 741 S Professional combination machine is the premium machine for modern woodworking and with its different equipment packages leaves nothing to be desired. The all-rounder impresses with its well laid out machine design and combines the perfection and user comfort offered by stand alone professional machines all in an incredibly compact area. The machine offers excellent quality when planing, sawing, moulding and mortising.





## CF 741 S Professional

- Surface planing width 410 mm
- Planer table length 1640 mm
- 2-knife Felder system cutterblock
- 2-speed synchronised feed, 6 and 12 m/min
- Spindle moulder tiltable from 90° to 45°
- Forward and reverse run
- "240" spindle fence for max. tooling diameter 230 mm
- MULTI-fine adjustment
- Saw blade tiltable from 90° to 45°
- Format sliding table 2500 mm
- Outrigger table 1300/1500
- Crosscut fence for use on the outrigger table 2600/3200 mm

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- "240" spindle fence for max. tooling diameter 230 mm
- MULTI fine adjustment
- Saw blade tiltable from 90° to 45°
- Format sliding table 2050 mm (2500 mm)
- 1100 outrigger table
- Crosscut fence for use on the outrigger table 2600/3200 mm

## CF 741

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- Planer table length 1640 mm
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- Forward and reverse run
- "240" spindle fence for max. tooling diameter 230 mm
- Saw blade tiltable from 90° to 45°
- Sliding table 1300 mm
- Crosscut fence 1100 mm

*The machine illustrations may show optional equipment. Please refer to your individual quote for clarification on which options are included.*



# CF 531 Professional

## The all-rounder at an amazing price

The CF 531 combination machine is a true all-rounder of wood-working. Top quality planing, thickening, moulding, cutting and as an option mortising in such a small area. The professional equipment with 240 moulder fence, up to 2500 mm sliding table, 1100 mm outrigger and 2600 mm crosscut fence ensures that even large scale work can be carried out with ease.

## CF 531 Professional

- Surface planing width 310 mm
- Planer table length 1500 mm
- 2-knife Felder system cutterblock
- Synchronised feed speed 6 m/min
- Spindle moulder tiltable from 90° to 45°
- "240" spindle fence for max. tooling diameter 230 mm
- MULTI fine adjustment
- Saw blade tiltable from 90° to 45°
- Sliding table 2050 mm (2500 mm)
- 1100 outrigger table

*The machine illustrations may show optional equipment. Please refer to your individual quote for clarification on which options are included.*

## FELDER cutterblocks



### The advantages of the FELDER system cutterblock at a glance ...

- Quick and effortless knife change
- Self-setting blades for high precision when changing the blades
- No resin buildup on the clamping bolts
- Quiet operation thanks to enclosed design
- Excellent durability of knife edges
- Cost savings due to the double sided low cost knives

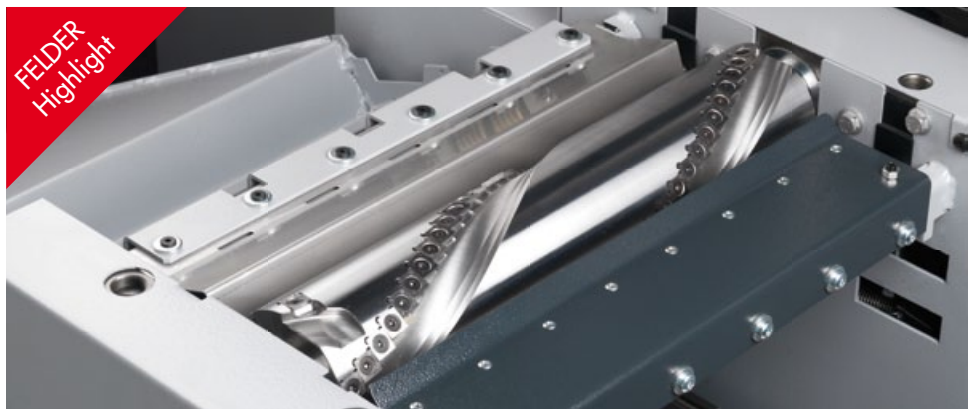
Machine options	2-knife Felder system cutterblock	4-knife Felder cutterblock system	4-knife Standard cutterblock	3 knife TERSA-system cutterblock	Silent-POWER Spiral cutterblock
CF 531	S	O	O	O	O
CF 531 Professional	S	O	O	O	O
CF 741	S	O	O	O	O
CF 741 Professional	S	O	O	O	O
CF 741 S Professional	-	S	O	O	O

S ... Standard features O ... Option - ... Not available



### CF 531

- Surface planing width 310 mm
- Planer table length 1500 mm
- 2-knife Felder system cutterblock
- Synchronised feed speed 6 m/min
- Spindle moulder tiltable from 90° to 45°
- "240" spindle fence for max. tooling diameter 230 mm
- Saw blade tiltable from 90° to 45°
- Sliding table 1000 mm



### The advantages of the Silent-POWER® cutterblock at a glance ...

- Sensationally quiet, noise emissions halved
- Blade life up to 20 times longer
- Four highly precise cutting edges on each knife
- Optimised chip extraction and reduced chip volume
- Tear free planing results
- Reduced power consumption when compared to similar systems



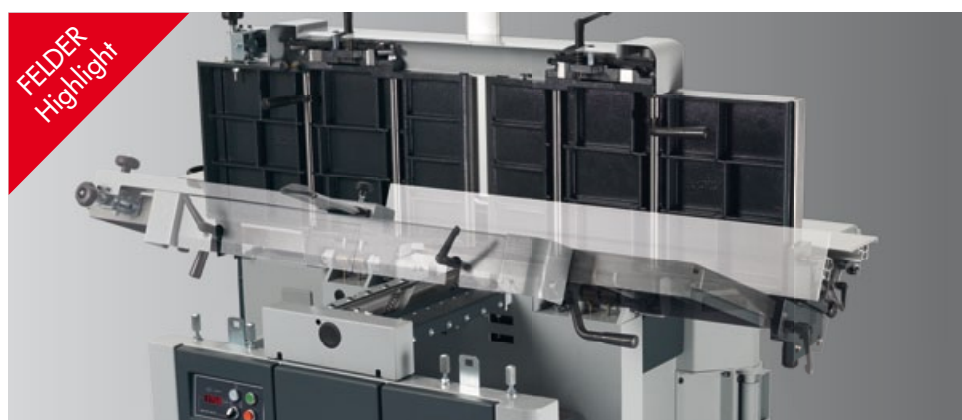


## Surface planing

Quick and easy adjustment of the planing depth on the infeed table at the operator side of the machine.

	Surface planer table length	max. extension
CF 531	1500 mm	3500 mm
CF 531 Professional	1500 mm	3500 mm
CF 741	1650 mm	3650 mm
CF 741 Professional	1650 mm	3650 mm
CF 741 S Professional	1650 mm	3650 mm

**FELDER  
Highlight**



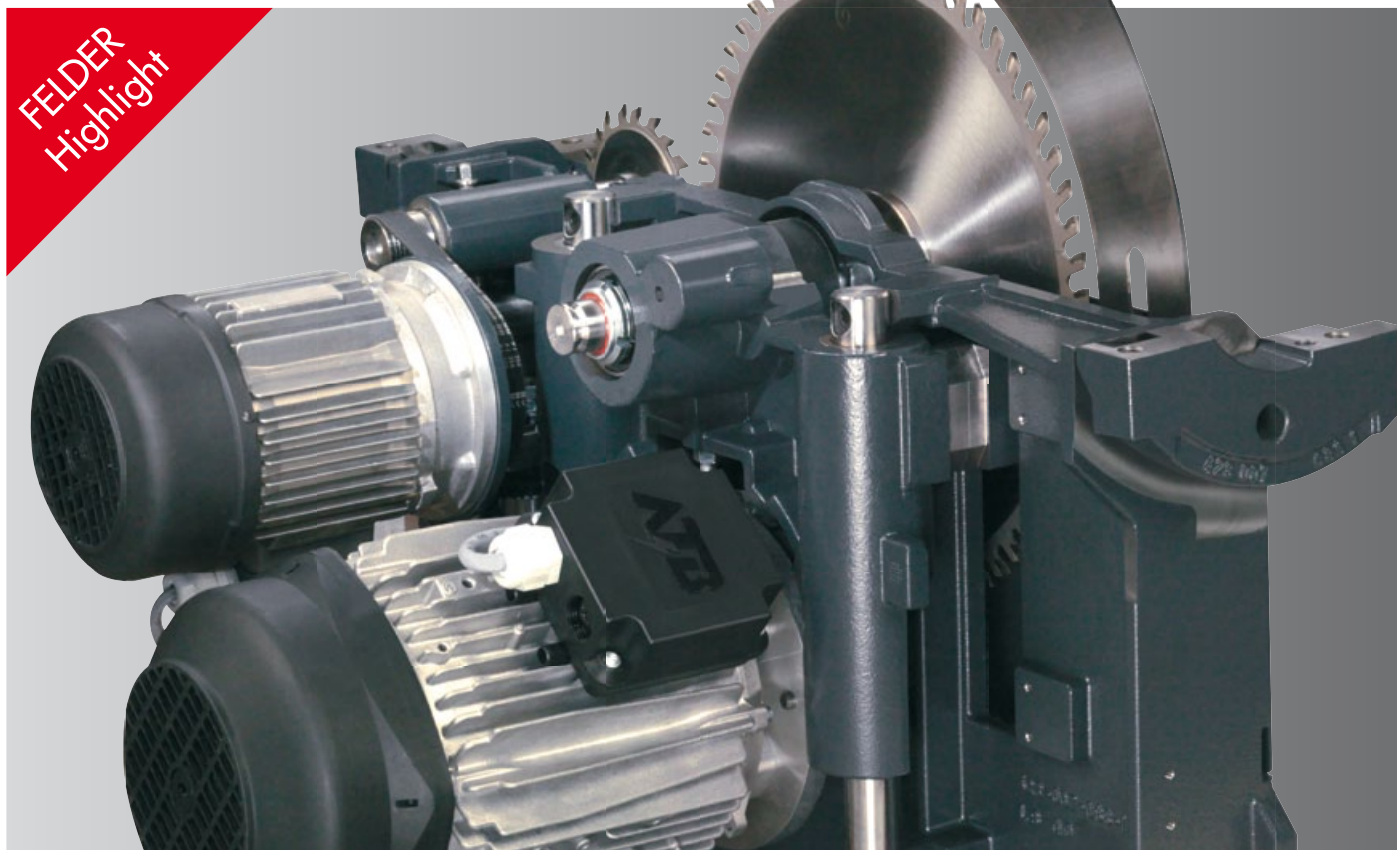
## FELDER changeover comfort

The intuitive Felder design means that changing from planing to thicknessing is quick and easy.



## A clean solution

The aerodynamically optimised construction of the dust extraction hood with its ample chip space guarantees an ideal chip extraction and clean working surface.



## The FELDER circular saw unit "104"

Manufactured entirely from cast iron, the new Felder "104" saw unit fulfils the highest demands of modern woodworking.

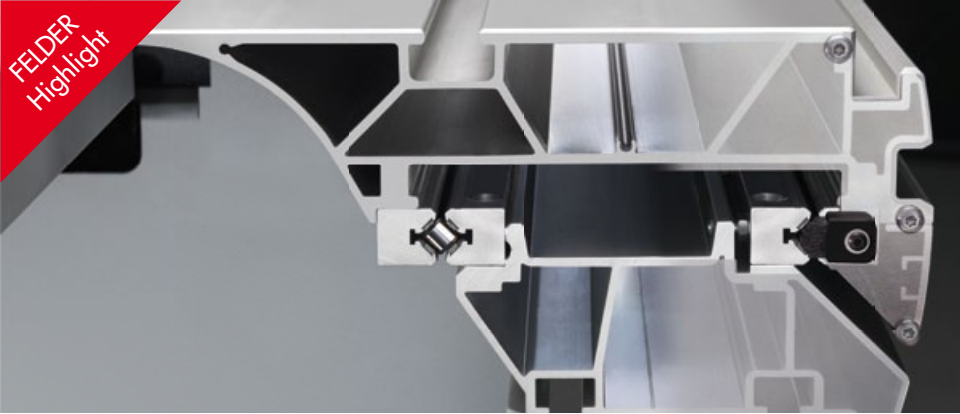
- 104 mm cutting height with a 315 mm saw blade
- Electronic height adjustment on saw blade ("Power-Drive" K1)
- Electrical height and angle adjustment of the saw unit with LED display ("Power-Drive" K2)
- Precise height adjustment via precision linear guides
- Optimal extraction with a completely enclosed, below table extraction system
- Oversized saw arbor with double bearing trunnions – Maximum motor power transfer with the Poly-V belt. The electronically balanced saw arbor with dual bearing seat system is powered via a Poly-V belt. Combined this results in an almost 100% power transmission to the saw blade



## Scoring unit

For chip free cutting of laminated panels. The saw blade can be mechanically or electrically driven and can be set in both height and lateral position.





FELDER Sliding table

The Felder precision sliding table has been designed to accept maximum loads while retaining its smooth operation and accuracy. The “Monoprofile” of the sliding table and base guarantees maximum torsional strength at every temperature. Through the “X” formation of the roller bearings the load is optimally distributed to all sides. The “X-Roll” guiding system and other numerous outstanding details are patented. Such precision and technology earns the right to the status of “World Class”.

Machine options	CF 5331	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Sliding table, 1000 mm*	S	-	-	-	-
Sliding table, 1300 mm*	O	-	S	-	-
Sliding table, 1550 mm*	-	-	O	-	-
Sliding table, 2050 mm*	O	S	O	S	-
Sliding table, 2500 mm*	O	O	O	O	S
Sliding table, 2800 mm*	-	-	-	-	O
Sliding table, 3200 mm*	-	-	-	-	O
Remote ON switch on sliding table	-	-	O	O	O

S ... Standard features    O ... Option    - ... Not available  
\* ... Cutting length with outrigger at max. cutting height

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YEAR GUARANTEE

on the "X-Roll" sliding table guiding system!



Robust outrigger for every operation

The solid outrigger makes it possible to process large and heavy workpieces. High precision and operating smoothness is guaranteed by 8 bearing guide rollers situated in the outrigger telescopic arm. You can optionally equip your Felder saw with a 1300 Felder outrigger or the 1500 premium version.

Rip fence

You can adjust the rip fence to any position and lock easily using the single-handed quick-clamping operation. The integrated fine-adjustment facility will help with precise adjustment. The parallel cutting scale is large and seamlessly incorporated into the circular saw table.

Machine options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
1100 outrigger table	O	S	O	S	-
1300 outrigger table	O	O	O	O	S
1500 outrigger table	-	-	-	-	W

S ... Standard features    O ... Option    - ... Not available    W ... Optional equipment at no extra cost

## Accurate angle adjustment with the mitre index system and length compensation

No reading errors due to scales and vernier. No time-wasting with arduous approximations of angle values. The advantage of the Felder degree index is that the stop is set and fixed without losing time or making reading errors. Highly precise index positions allow for the accurate production of polygons, e.g. 5.625° (32 sided), 11.25° (16 sided), 22.5° (8 sided). In addition, index positions at 15°, 20°, 25°, 30°, 35°, 40° and 45° can be used when working in slide to cut or push to cut mode. Every index position is equipped with a length compensator. The highly precise Felder degree index system is adjusted at the factory. Every index position also has individual fine adjustment. This cost effective index system integrates well into the machine design and will increase your productivity.



Each locking point is provided with length compensation and can be individually finely adjusted.

Machine options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Precision mitre index system	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Precision mitre guide with cutting length compensation for 1300/1500 outrigger	-	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
O ... Option   - ... Not available					

## The 1100 mm cross cut fence: perfect construction - perfect functionality!

The 1100 cross cut fence for angled cuts between +45 and -45 degrees is mounted directly onto the sliding table without the need for tools. An end stop allows for quick and precise 90 degree cuts.



Machine options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Crosscut fence 1100 mm	-	-	S	<input type="radio"/>	<input type="radio"/>
Crosscut fence 1300 mm	S	<input type="radio"/>	-	-	-
S ... Standard features   O ... Option   - ... Not available					





## The new FELDER "700" Spindle Moulder Unit

With a completely new design, the Felder "700" spindle unit sets new standards!

- Spindle operating height of up to 115 mm (140/160 mm)
- Quick-change spindle system
- 4 Operating speeds (3500, 6500, 8000, 10,000 rpm)
- Table opening 230 mm



## Tenoning and slotting perfection

Designed to accept maximum loads, the large dimensioned slot and tenon table "floats" on "X-Roll", a sophisticated and state-of-the-art guiding system. The "X" configuration of the roller bearings ("X-Roll"), optimally distributes the workpiece weight to all sides. The linear roller bearing system on the hardened and ground guiding track guarantees unequalled precision and smooth operation. The "X-Roll" delivers the quality and precision expected from your new tilting spindle moulder. The 10-year manufacturer's guarantee emphasises the reliability of the "X-Roll" and is just one more reason to purchase a Felder.

## Tilting spindle moulder

All Felder spindle moulders tilt 90°–45° as standard. As soon as you begin working on your machine, you'll see that your Felder's range of applications is much wider than you might have expected and you save a lot on tools too. Using the hand wheel causes the whole moulder spindle unit to tilt to the requested angle easily and smoothly.



## 700 series quick-change spindle system

The complete spindle including mounted tooling can be removed from the moulder in seconds, without losing any Settings. The automatic repeat accuracy guarantees absolutely precise series production with incredibly quick changeover times. Various spindle diameters of 25, 30, 40, 50 mm, ¾", 1" and 1¾" can be used.



## Increase your working surface area as needed – Felder System Table Extensions

Ever since 1969 the Felder table extensions have proved themselves a thousands times over. In just a few seconds and without tools you can increase the support length of your machine by up to 1000 mm on both sides



FELDER  
Highlight



The precision fence "240"

The spindle fence can accommodate tooling with a maximum diameter of 230 mm and has a -5 to +25 mm fine adjustment system on the spindle fence outfeed side. The dust extraction is carried out via an integrated extraction port at the rear. This iron table opening and not the 240 fence.

Machine options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Spindle Moulder Fence "220", fence 320 mm	S	-	-	-	-
Spindle Moulder/Shaper Fence "240", fence 400 mm	O	S	S	S	S
S ... Standard features   O ... Option   - ... Not available					

FELDER  
Highlight



Multi fine adjustment system

The MULTI-adjustment system allows quick adjustment of the moulder fencer. This time saving feature reduces setup time and the number of test cuts that are required. The whole fence can also be removed and then returned to its exact position.

- Automatic repeat setting after removal of your fence
- Parallel adjustments of the moulder fence
- Quick and accurate adjustment
- Measurement scale for depth of cut

Machine options	CF 531	CF 531 Professional	CF 741	CF 741 Professional	CF 741 S Professional
Multi-adjustment system for the moulder fence "240"	O	S	O	S	S
S ... Standard features   O ... Option					

## Control accurate to a tenth of a millimetre Top class FELDER operating comfort



### "Power-Drive" for the saw and spindle unit

With the "Power-Drive" equipment package you can adjust the height and angle of the saw blade and moulder spindle comfortably and accurately to within a tenth of a millimetre. A push button enables fine adjustment and a clear LED display shows the actual current value.

### "Power-Drive" thicknessing table control

The fully electrical "Power-Drive" thickneser table control offers the most precise adjustment and repeat accuracy. With a twist of the knob, you can quickly adjust the thicknessing height, then fine-adjust using the button. An integrated LED-display displays the actual value.



Machine options	Thicknessing "Power-Drive"	Panel Saw "Power-Drive"	Spindle Moulder "Power-Drive"
CF 531	-	-	-
CF 531 Professional	-	-	-
CF 741	○	○	○
CF 741 Professional	○	○	○
CF 741 S Professional	○	○	○

S ... Standard feature    ○ ... Option    - ... Not available



# Technical data



		CF 741 S Professional	CF 741 Professional	CF 741
Surface planing width		410 mm	410 mm	410 mm
Planer table length		1650 mm	1650 mm	1650 mm
Thicknessing height min.-max.		3–230 mm	3–230 mm	3–230 mm
Cutting height		104 mm	104 mm	104 mm
Tilting of saw-blade		90°–45°	90°–45°	90°–45°
Table opening		230 mm	230 mm	230 mm
Tilting spindle moulder		90°–45°	90°–45°	90°–45°
4.0 HP (3.0 kW) S6/40 %		-	S	S
5.5 HP (4.0 kW) S6/40 %		S	○	○
7.5 HP (5.5 kW) S6/40 %		○	○	○
10.0 HP (7.35 kW) S6/40 %		○	○	○
Working height		890 mm	890 mm	890 mm
Length [L]**	1000 mm*	-	-	-
	1300 mm*	-	-	2827 mm
	1550 mm*	-	-	3489 mm
	2050 mm*	-	4356 mm	4356 mm
	2500 mm*	5280 mm	5279 mm	5279 mm
	2800 mm*	5858 mm	-	-
	3200 mm*	6658 mm	-	-
Width [W <sub>1</sub> ]		1132 mm	1132 mm	1132 mm
Width [W <sub>2</sub> ]		1872–2636 mm	1872–2636 mm	1100 mm
Weight (depending on equipment, without packaging)		1120 kg	1050 kg	980 kg
Extraction connection-Ø Planer unit/Thicknesser unit		120 mm	120 mm	120 mm
Extraction connection-Ø Sliding Table Saw/saw guard		120/50 mm	120/50 mm	120/50 mm
Extraction connection-Ø Spindle moulder fence/ Moulding tool below the level of the table		120/80 mm	120/80 mm	120/80 mm
Acoustic noise level [dB (A)] in accordance with EN ISO 3746 when switched on but not running***		84 <sup>1</sup> /83 <sup>2</sup>	84 <sup>1</sup> /83 <sup>2</sup>	84 <sup>1</sup> /83 <sup>2</sup>
Acoustic noise level [dB (A)] in accordance with EN ISO 3746 when running***		91 <sup>1</sup> /91 <sup>2</sup>	91 <sup>1</sup> /91 <sup>2</sup>	91 <sup>1</sup> /91 <sup>2</sup>
Acoustic noise level at the workstation [dB (A)] in accordance with EN ISO 11202 when switched on but not running***		74 <sup>1</sup> /69 <sup>2</sup> /69 <sup>3</sup>	74 <sup>1</sup> /69 <sup>2</sup> /69 <sup>3</sup>	74 <sup>1</sup> /69 <sup>2</sup> /69 <sup>3</sup>
Acoustic noise level at the workstation [dB (A)] in accordance with EN ISO 11202 when running***		83 <sup>1</sup> /79 <sup>2</sup> /78 <sup>3</sup>	83 <sup>1</sup> /79 <sup>2</sup> /78 <sup>3</sup>	83 <sup>1</sup> /79 <sup>2</sup> /78 <sup>3</sup>

\*Cutting length with outrigger at max. cutting height, \*\*Details of the maximum travelling distance depending on the length of the sliding table.,

\*\*\*An allowance must be made to compensate for tolerances with the specified emission values. K= 4 dB (A).;

S ... Standard equipment    O ... Option    - ... Not available    <sup>1</sup> ... Planer unit    <sup>2</sup> ... Thicknesser    Working position 1

<sup>3</sup> ... Thicknesser    Working position 2    <sup>1,2,3</sup> ... Measured using the Silent-Power® spiral cutterblock

## Space requirements

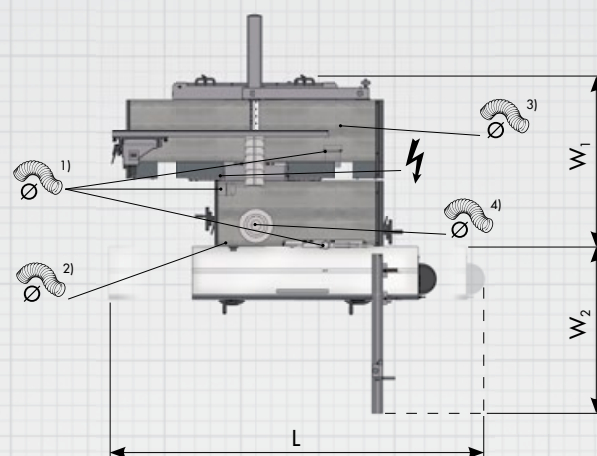
Scale  
1:50



CF 531 Professional	CF 531
310 mm	310 mm
1500 mm	1500 mm
4-220 mm	4-220 mm
102 mm	102 mm
90°-45°	90°-45°
180 mm	180 mm
90°-45°	90°-45°
S	S
O	O
-	-
-	-
890 mm	890 mm
-	2340 mm
-	2783 mm
-	-
4361 mm	4361 mm
5238 mm	5283 mm
-	-
-	-
1045 mm	1045 mm
1750-2636 mm	1300-2000 mm
820 kg	730 kg
120 mm	120 mm
120/50 mm	120/50 mm
120 mm	120 mm
88 <sup>1</sup> /86 <sup>42</sup>	88 <sup>1</sup> /86 <sup>2</sup>
85 <sup>1</sup> /96 <sup>2</sup>	95 <sup>1</sup> /96 <sup>2</sup>
75 <sup>1</sup> /71 <sup>2</sup> /73 <sup>3</sup>	75 <sup>1</sup> /71 <sup>2</sup> /73 <sup>3</sup>
80 <sup>1</sup> /78 <sup>2</sup> /80 <sup>3</sup>	80 <sup>1</sup> /78 <sup>2</sup> /80 <sup>3</sup>

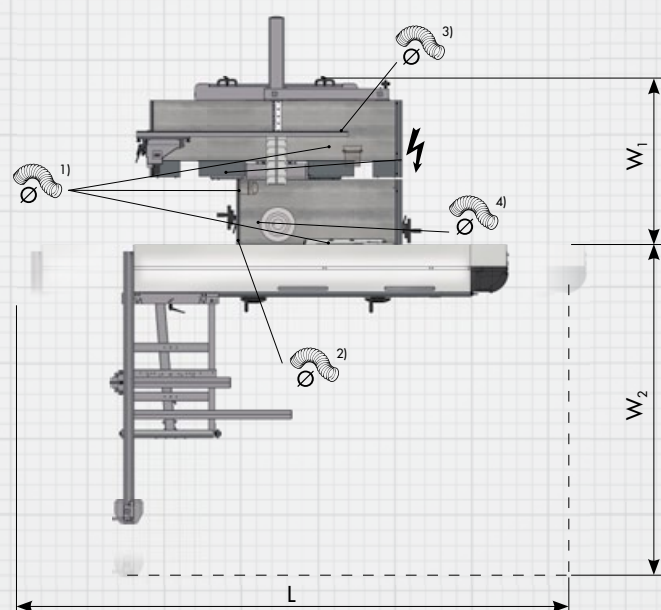


Further information about the technical data, individual configuration options and all noise level values can be found on the internet at [www.felder.at](http://www.felder.at)



Symbolic image CF 531, CF 741

- <sup>1</sup>) Extraction connection CF 741
- <sup>2</sup>) Extraction connection CF 531
- <sup>3</sup>) Extraction connection all models
- <sup>4</sup>) Extraction connection all models



Symbolic image CF 531 P, CF 741 P, CF 741 SP

- <sup>1</sup>) Extraction connection CF 741 P, CF 741 SP
- <sup>2</sup>) Extraction connection CF 531 P
- <sup>3</sup>) Extraction connection all models
- <sup>4</sup>) Extraction connection all models