

FORMAT 4®

plan 51 L
IN THE LENGTH
LIES THE STRENGTH

FORMAT 4®

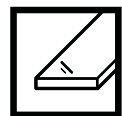


plan 51 L

In the length lies the strength



Solid wood



Plastic



The solid Format4 plan 51L surface planer from the premium brand Format4 is sure to impress with its new design and above all with its three-metre planing table length. The infeed table alone offers $64 \frac{61}{64}$ inches of adequate support surface for larger dimensioned workpieces. As an absolute highlight, the new plan 51L is the first Format4 planer that offers a tiltable planing table for concave and convex joint finishing. The space saving design of the planing fence makes it possible to position the planer directly against the workshop wall. The comfort guard is integrated into the machine chassis and can be folded away which, when coupled with the design of the machine cover panel, allows absolute freedom of movement when planing. The Power Drive electrical height adjustment is included as standard and offers operating comfort of the highest level. The ergonomically designed control panel is positioned at eye level.



plan 51 L

- » Surface planing width: $20 \frac{5}{64}$ "
- » Surface planer table length: $118 \frac{7}{64}$ "
- » Cutterblock: self-aligning planer knives; Silent-Power® Spiral Knife Cutterblock (optional)
- » Max. depth of cut: $\frac{5}{16}$ "
- » Concave - convex joint: Quick adjustment

FORMAT4 Premium Machines for Premium Requirements

- | | |
|--|---|
| » Constantly high performance in industrial continuous operation | » Quality and precision from AUSTRIA |
| » Customer specific optimised production solutions | » Uncompromising productivity |
| » Solid design with premium components | » Perfect service package before, during and after the purchase |
| » Wide range of configuration packages with high-tech solutions | » Tailor made financing solutions |
| » Complete engineering precision | » Mechanical engineering experience since 1956 |
| » Premium user comfort | |

The most important highlights at a glance



Silent-Power®

The Silent-Power® Spiral Cutterblock reduces noise emissions during planing by more than half. Specially developed tungsten carbide blades with their constant pulling cut, guarantee a tear free planing finish of every wood type. The optimized extraction hood ensures that the noticeably shorter chips are effectively extracted and land considerably more compact in the dust bags. This more compact filling of the chip bags, saves you from having to frequently change the bags. Maximum reliability and highest level of planing quality – the innovative new development from Format4 offers a planing system with knives that have a usable life up to 20 times longer when compared to a conventional HSS-blade system. Damaged blades can be exchanged individually, removed and replaced with a few turns of the hand. The advantages at a glance

- » Sensationally quiet, noise emissions halved
- » Blade life up to 20 times longer
- » Four highly precise cutting edges on each knife



Concave – convex joint

The plan 51L is the first Format4 planer to offer a tilt setting of the infeed planing table for the production of convex and concave pieces. With the concave or convex planed workpieces you will achieve perfect glueing results without any visible joints.



Professional planer fence with parallelogram adjustment

A masterpiece of stability, precision and space saving design – the innovative parallelogram system on the Format4 planing fence allows you to be able to position your machine directly next to the workshop wall, without restricting the planing width.

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Details



Jointer table length 118 7/64"

The highlight of the planers are the heavy, solid, ribbed planing tables with a total length of three metres. The length of the infeed planing table alone is an impressive 64 61/64" and offers a solid support surface even for the biggest of woodworking challenges.



Format4, perfect planing technology

For decades, the Format4 system with its disposable, reversible planing knives has proven its value. Perfectly manufactured and adjusted in the factory, there are no further adjustments needed and no unnecessary expensive adjusting tools are required. Changing the planer knives has never been easier. In just a few minutes, the 4-knife cutterblock is ready for use with sharp new Format4 planer blades. Naturally, we can also equip your Format4 with a standard or Tersa cutterblock.



Planer table adjustment at the touch of a button, with "Power-Drive"

The high-precision planing table adjustment system provides excellent planing quality. By simply pressing a button and as part of the standard equipment, the long, solid planing tables of cast iron can be adjusted with the electromotive "Power-Drive" control to a tenth of a millimeter for maximum ease of use. The ergonomic control panel is always at eye level. Dust extraction and clean work tables.



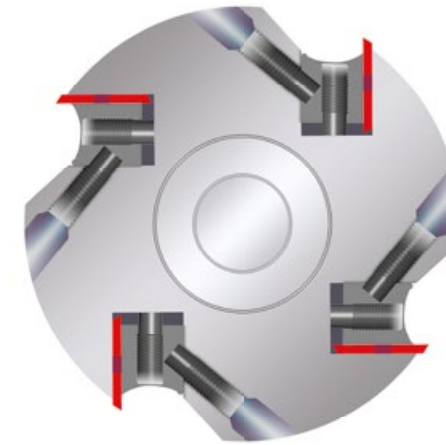
Continuously adjustable to any position

The planer fence can be tilted to any position up to 45 degrees. There is an end stop at both the 90° and 45° positions.



The tiltable Format4 auxiliary fence

When processing thin or narrow workpieces the new tiltable auxiliary fence attached to the jointer fence, guarantees a safe and comfortable planing operation.



See and feel the incredible smooth finish!

4 $\frac{23}{32}$ " cutting circle and unique Format4 planer knife system with reversible blades – for many decades a guarantee for excellent planing results. Maximum blade life and minimum cost of the blades ensure considerable savings.



SUVA planer guard

The SUVA planer guard covers the entire planing area and lifts automatically when planing.



Format4 planer guard

Maximum operational safety and an unprecedented ease of use. The space saving jointer guard integrated into the machine chassis also stabilizes the workpiece when jointing and beveling the narrow edge.



Complete freedom of movement when planing

The EURO comfort planing fence folds down in one place to provide maximum safety and convenience for all planing operations.



Excellent extraction results

The perfectly optimized construction of the large dimensioned chip extraction hood always guarantees the best extraction results.

Technical specifications

Electrics		plan 51 L
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	W
004	50 Hz motor frequency	S
005	60 Hz motor frequency	W
007	7.5 HP (5.5 kW) S6/40% (I002)	S
008	10 HP (7.35 kW) S6/40%	O
10	STAR-delta-START	S
12	Switch contact for the control of an extractor	O
13	Operating hour meter	O
14	3-phase CEE coupling for additional equipment with time-delayed connection and emergency stop (essential for the use of a power feeder)	O

Planing unit and cutterblock

30	Planing width in mm	510
31	Total planing table length 106 19/64", infeed table 53 5/32"	W
32	Professional planer fence with parallelogram adjustment, fence size 51 3/16 x 6 11/16"	S
34	Aigner combination planer fence with auxiliary fence and parallelogram adjustment, fence size 51 3/16"	O
36	Standard EURO planer guard	S
37	Comfort EURO planer guard	O
38	SUVA planer guard	O
39	4-knife Format-4 system cutterblock	S
40	4 knife Standard cutter-block using traditional single sided planer knives	O
41	4 knife TERSA cutter-block	O
44	Silent+Power spiral cutterblock	O
50	Electric height adjustment for infeed planer table with a Power-Drive digital display	S
-	Overall planer table length in mm	3.000
-	Concave and convex joint setting	S
-	Number of knives - Silent+POWER spiral cutterblock	77
-	Maximum depth of cut in mm	8
-	Infeed planer table length in mm	1.650

Important accessories

212	Socket for feeder mount	O
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General

-	Extraction connection Ø in mm	140
-	Working height in mm	890
-	Weight kg (with standard configuration)	800

Packaging

221	Preparation for container transport dual 51, plan 51	O
223	IPPC packaging	O

Product range

Sliding Table Panel Saws



Shapers



Planer



Edgebanders



Wide Belt Sanding Machines



Heated Veneer Presses



CNC machining centers



Nesting-CNC Machining centers



Industrial Panel Saws



Vacuum panel lifter Return systems Feeding Units



FORMAT 4®

FORMAT4 Uncompromising expertise for the highest of requirements

The Felder Group premium brand has met the highest standards of professional users since 2001.

The customized high-performance solutions are uncompromisingly innovative, offer maximum operating comfort and complete productivity.

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