

FORMAT 4®

plan 51 L
IN THE LENGTH
LIES THE STRENGTH

FORMAT 4®



plan 51 L

In the length lies the strength



plan 51 L

- » Surface planing width: 510 mm
- » Surface planer table length: 3,000 mm
- » Cutterblock: self-aligning planer knives; Silent-Power[®] Spiral Knife Cutterblock (optional)
- » Max. depth of cut: 8 mm
- » Concave - convex joint: Quick adjustment

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 1,650 millimetres 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.

FORMAT4 Premium Machines for Premium Requirements

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

The most important highlights at a glance



FORMAT4 Highlight

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



FORMAT4 Highlight

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.



FORMAT4 Highlight

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



Planer table length 3,000 mm

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 1,650 mm 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 millimetre for maximum ease of use. The ergonomic control panel is always at eye level. Dust extraction and clean work tables.



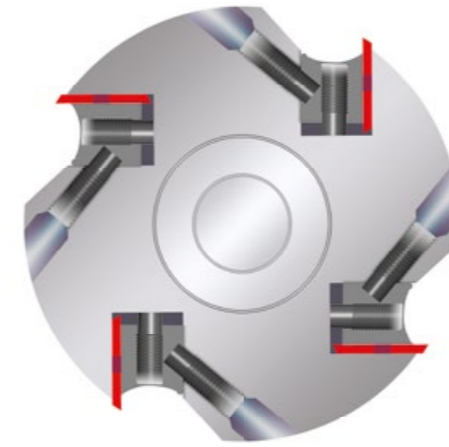
Continuously adjustable to any position

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 planer fence, guarantees a safe and comfortable planing operation.



See and feel the incredible smooth finish!

120 mm 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.



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 planing 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.



SUVA planer guard

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



Excellent extraction results

The perfectly optimised 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% (I1002)	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 2,700 mm, infeed table 1,350 mm	W
32	Professional planer fence with parallelogram adjustment, fence size 1,300 x 170 mm	S
34	Aigner combination planer fence with auxiliary fence and parallelogram adjustment, fence size 1,300 mm	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
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

kappa 590 e-motion/x-motion kappa 550 e-motion/x-motion kappa 550 kappa 450 x-motion kappa 450

Shapers

profil 92 M e-motion profil 45 M/x-motion profil 45 Z/x-motion

Planer

dual 51 plan 51L exact 63 exact 51

Edgebanders

tempora F800 60.12 e-motion tempora F600 60.06L tempora F600 60.06L glueBox tempora F400 45.03/L

Wide Belt Sanding Machines

findustry 1352/1353/1354 finish 1352/1353 modular finebrush 1353/1355

Heated Veneer Presses

HVP heated veneer press
With Elkom® electric heating platens
with warm water heating
with thermal oil heating
connection to an existing heating system

CNC machining centres

c-express 920 classic creator 950 D-Jet profit H350R/H500R profit H200R/H300R

Nesting-CNC Machining Centres

profit H150/100 profit H80I profit H08

Industrial Panel Saws

kappa V60/V80 kappa V60 classic kappa automatic classic kappa automatic 85/100 edition

Vacuum panel lifter Return systems Feeding Units

v-motion/classic u-motion classic u-motion professional l-motion robot-motion

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

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