

mafelli

powerful precise convenient versatile flexible



New: **CUnex** W1 precision sawblade

P1 cc



The new P1 cc jig saw: the new yardstick for precision and power.

The innovative design of the MAFELL precision sawblade **CUnex** W1 facilitates extremely precise sawing.

One accessory, the parallel fence, opens up a multitude of applications and ensures straight cuts with next to no effort. When working with a guide rail, simply turn over the fence ...

... and use it to locate the F-type guide rail system. It's a clever solution that keeps the number of accessories to a minimum.



When sawing close to the edge, the parallel fence provides additional stability for guiding the P1 cc.

Thanks to its excellent ergonomic design, the P1 cc is easy to hold and control even in awkward situations.

The absence of guide jaws gives the P1 cc, with any sawblade, around 10 mm more cutting depth than other jig saws.



The P1 cc: exactly the right saw for you.

The concept

From time to time, even proven solutions need to be reexamined in the interests of progress. That's exactly what we did in this case. We set out to build a jig saw that operated much more precisely than was previously conceivable. The outcome is the innovative P1 cc. It is a jig saw that heralds in a new era as regards precision, power and ease of use. It is exactly the right tool for all those who seek to achieve uncompromising quality in their work.

The motor

Precision is also a question of power. That's why the P1 cc is equipped with a **CUprex** compact motor that delivers 900 Watt of power and consistently high speeds thanks to intelligent digital electronics. Even when executing long cuts. In addition, when fitted with MAFELL sawblades, the P1 cc offers cutting depths in the range from 64 to 114 millimeters (2 1/2 to 4 1/2 in.)

Technical solution

At the heart of the P1 cc concept is an entirely new **CUmax** sawblade clamping system. In conjunction with the power of the **CUprex** compact motor, strong sole plate and MAFELL **CUnex** precision sawblade, it ensures perfectly square cuts even when working with a rail over long distances. A further benefit is provided by the absence of guide jaws: the lack of friction and associated high temperatures eliminates the risk of blade deformation. Friction-induced heat, which can cause deformation of the sawblade, cannot arise because the clamping system is designed entirely without guiding elements.

Uninterrupted view

The P1 cc is a compelling proposition in view of its outstanding user-friendliness. Among the features offering enhanced user benefits is dust extraction directly alongside the sawblade. In addition, sophisticated self-extraction and a clever integrated blower that conveys chips to the rear of the machine keep the mark free from chips at all times. The workplace therefore remains clean and the mark visible, even if a dust extractor is not connected.

Application range

Its intelligent accessories give the P1 cc unprecedented versatility. The innovative design of the new MAFELL precision sawblade **CUnex W1**, in particular, facilitates extremely precise sawing. With an assortment of no fewer than 11 different sawblades, the P1 cc is suitable for cutting wood, laminates, plastic, metal, timber containing metal, gypsum, melamine resin panels (Trespa) and fiber-cement board (Eternit). Its compatibility with the MAFELL F guide rail system makes certain of even greater precision. A further advantage lies in a single accessory that offers the functionality of a circular cutter, parallel fence and guide rail adapter.

The P1 cc:

In every respect the perfect jig saw.



Reverse sawing / sawing with reversed blade

For simpler sawing close
to the edge.

It couldn't be simpler:

Release and remove the
sawblade, turn it round and
reinsert. That's all there is to it.
The P1 cc is always very easy
to use, irrespective of the feed
direction.

Bevel cuts

For executing bevel cuts up
to +/- 45°.

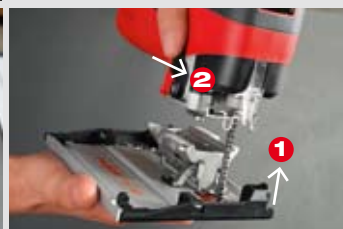
It couldn't be simpler:

- Unlock the quick-release
system and take off the base
plate.
- Insert and lock the tilting
plate.
- Select the angle setting and
make fast.
- Make the cut – that's all there
is to it.

If you need to cut the opposite
angle, simply turn the base plate
through 180° without resetting
the angle of tilt.



a.



b.



c.



d.



a.



b.



c.

Sawing with the guide rail

For the precise execution of straight cuts.

It couldn't be simpler:

The P1 cc can be operated
 a. alongside the guide rail,
 b. with the groove located on the rail (to protect the work surface), or
 c. together with the adapter, on the rail. This allows recesses to be cut in worktops, for example, with just a single saw.



Hole sawing

Simple solution for accommodating dry lining boxes in cavity walls.

It couldn't be simpler:

For 68 mm round dry lining boxes, simply drill two 8 mm holes 34 mm apart, insert the pin in the sole plate, locate the sawblade and pin in the two holes and cut out the circle.



The P1 cc is a winner on every count. The five main reasons are...

1. More power



Continuously variable speed

For exact adjustment to suit the material, the speed can be varied in the range 800 to 3000 strokes/min.

CUprex motor

The high-performance 900 W CUprex compact motor delivers consistent speeds, even when executing deep cuts.

2. More flexibility



Rail compatibility

For exactly straight cuts, the P1 cc, complete with base plate, can be used on the MAFELL F guide rail.



Separate tilting plate

In the interests of a standard base plate capable of ensuring absolutely square cuts, a separate tilting plate was developed for making angled cuts. It is used for sawing bevel cuts up to +/- 45°.



Multi-purpose parallel fence

Versatile use:

1. Parallel fence
2. Compasses
3. Auxiliary rest
4. Rail adapter



3. More precision



New CUMAX sawblade clamping system

A vertically acting spring forces the wedge (red) against the blade (yellow) to ensure a positive fit. The wedge is self-locking and can be released only by means of the lever. The sawblade cannot be displaced.



MAFELL CUnex W1 precision sawblade

The CUnex W1 consists of two sawblades that are soldered together. The blade's strength and wedge shape ensure precise and square sawing, even when cutting curves. (Suitable for use only with the P1 cc.)



Enhanced precision

Since the P1 cc dispenses with guide jaws, there is no friction capable of heating the blade to a high temperature. Deformed sawblades and blistered fingers after changing the blade are a thing of the past.



Strong base plate

The base plate of the P1 cc is as sturdy as it looks. By way of a quick-release mechanism, it remains reliably fastened to the saw at an exact right angle. The large surface area makes it easier to work close to corners and edges.

4. More options



Enhanced tear protection

The transparent splinter guard with marking pointer protects surfaces and gives exact guidance when cutting.



F-type guide rails

In combination with the CUnex W1 sawblade and F-type guide rails, the P1 cc allows exact cuts to be executed with unprecedented quality.



Sawblades

The broad range of MAFELL sawblades makes the P1 cc compatible with a vast array of materials. Turn the page for more information.

5. More user-friendly



Tool-less blade changes

To change the sawblade, simply release the locking lever. With just one hand, effortlessly remove the blade and insert the replacement.



Ideal handle positioning

Owing to its ergonomic design, with low center of pressure and soft pads, the P1 cc is comfortable to hold in every situation.



Innovative dust extraction

Thanks to the venturi effect, the vacuum channel integrated in the base plate guarantees outstanding dust extraction directly alongside the sawblade. The mark is kept free by blowing from one side and extracting the dust on the other.



Oscillating stroke adjustment

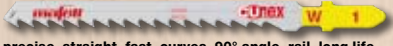
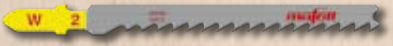


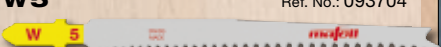
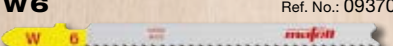

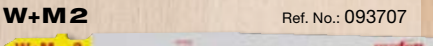
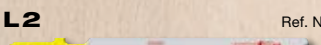
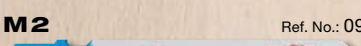
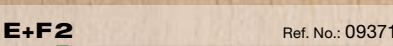
The P1 cc offers four oscillating stroke settings and one zero setting. It can be perfectly adjusted, therefore, to suit any material and blade. Smooth starting ensures clean cuts, so that the oscillating motion does not begin until the blade makes contact with the material.

Ready for every occasion: The range of blades for the P1 cc.

For joiners, interior finishers and carpenters alike, every project presents special challenges. It's as well to be prepared for

every eventuality and type of material. With the MAFELL sawblades for the P1 cc, you are sure to remain a cut above the rest,

whether you're working in wood, plastic, metal or fiber-cement board.

Description and technical data						Material compatibility													
	Body thickness [mm]	Cutting blade length [mm]	Pitch [mm]	Cutting depth [mm]	Qty. in pack	Solid wood	Board materials plain (e.g. particle board, battenboard)	Board materials laminated/veneered	Timber containing metal	Laminate panels	Gypsum/cement fiberboard soft (e.g. Fermacell)	Melamine resin panels (e.g. Trespa, Resopal)	Fiber-cement board (e.g. Eternit)	Plastics soft	Acrylic (e.g. Plexiglas)	Fiber-reinforced plastics	Non-ferrous metals (FRP)	Aluminum composite panels (e.g. Alucobond, Dibond)	Aluminum
CUnex W1* Ref. No.: 093676  precise · straight · fast · curves · 90° angle · rail · long life	3,0	75	4,0	≤64	2	•	•												
W2 Ref. No.: 093701  coarse · straight · fast · plunge · 90° angle	1,7	75	4,0	≤64	5	•	•												
W3 Ref. No.: 093702  coarse · straight · fast	1,7	125	4,0	≤114	5	•	•												
W4 Ref. No.: 093703  coarse · fast · plunge · curves	1,3	75	4-5,2	≤64	5	•	•	•											
W5 Ref. No.: 093704  clean · straight · fast · plunge	1,5	90	2-3	79	5	•	•	•											
W6 Ref. No.: 093706  fine · clean · straight · plunge	1,5	75	2,5	≤64	5	•	•	•											
W+P2 Ref. No.: 093705  fine · clean · straight · plunge · reverse	1,5	75	2,7	≤64	5	•	•	•		•			•	•					
W+M2 Ref. No.: 093707  straight · fast · plunge · long life	1,3	105	2,4-5	≤94	5	•			•										
L2 Ref. No.: 093708  fine · clean · straight · plunge · long life	1,3	60	1,7	≤15	5					•									
M2 Ref. No.: 093709  fine · straight · long life	1,0	55	1,1-1,2	≤3	5												•	•	•
E+F2 Ref. No.: 093710  coarse · long life	1,2	75	4,3	≤4	1						•	•							

* For use only with the MAFELL P1 cc.



MAFELL AG · P.O. Box 11 80 · D-78720 Oberndorf a. N. · Phone +49 7423 812-114 · Fax 812-102 · E-Mail export@mafell.de · www.mafell.com

Technical data

Nominal power input	900 W (1.2 hp)
Universal motor	230 V/50 Hz
No-load strokes/minute	800–3000 1/min
Weight	2.5 kg (5.5 lbs)
Length of stroke	26 mm

P1 cc

Delivery scope

Jig saw P1 cc in MaxiMAX	917103
3 jig saw blades CUnex W1; W2; W+P2	
1 base plate P1-GP	204350
1 hose connector P1-AS	203917
1 chip deflector P1-SA	204353
1 splinter guard P1-SS	205447
1 glider P1-G	205464
1 parallel fence P1-PA	205448
1 mains cable 4 m	087609

Ref. No.

Special accessories/tools

	Ref. No.		Ref. No.
Tilting plate P1-SP, tilting range +/- 45°	205446	Guide rail F 80	204380
Parallel fence P1-PA incl. circular cutter	205448	Guide rail F 110	204381
Splinter guard P1-SS, 5 pieces	205447	Guide rail F 160	204365
Jig saw blade CUnex W 1	093676	Guide rail F 210	204382
Jig saw blade W2	093701	Guide rail F 310	204383
Jig saw blade W3	093702	Connecting piece F-VS	
Jig saw blade W4	093703	for joining two guide rails	204363
Jig saw blade W5	093704	Angle fence F-WA	205357
Jig saw blade W6	093706	Guide pocket F 160	
Jig saw blade W+P2	093705	for guide rails up to 1,6 m	204626
Jig saw blade W+M2	093707	Guide pocket set:	
Jig saw blade L2	093708	2 x F 160 + F-VS + 2 x F-SZ + 1 guide pocket	204805
Jig saw blade M2	093709	Guide pocket set:	
Jig saw blade E+F2	093710	F 80 + F 160 + F-WA + F-VS + 2 x F-SZ + guide pocket	204749
Assortment 1:		End cap F-EK, 2 pieces	205400
4 x W2, W+P2, W5, W4, 2 x CUnex W 1	093712	Non-slip profile F-HP 6,8M, 6,8 m (22.3 ft.) long	204376
Assortment 2:		Splinter guard F-SS 3,4M, 3,4 m (11.2 ft.) long	204375
4 x M2, W6, L2, W+M2, 2 x CUnex W 1	093713	Screw clamp F-SZ 100MM, for fixing guide rail to workpiece, 2 pieces	205399

Your MAFELL authorized dealer: