



TIMBERWOLF TOOLS

YOUR BEST SOURCE FOR SPECIALTY POWER TOOLS

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SEE INSIDE

New Yeti Tool SmartBench!

TOLL-FREE ORDER LINE 1-800-869-4169

2021 — 2022



We are the timber framing and fine woodworking industries' best source for specialty power tools, supplying the broadest selection of big timber power tools available anywhere.

At TIMBERWOLF TOOLS, we are committed to the highest level of customer service, and our knowledgeable and friendly associates are experienced in the use of the tools listed in this catalog. We welcome you to place

your order online on our secure website, or call and talk to one of our knowledgeable tool experts. We look forward to working with you.

Our power tools are ready for immediate delivery. With accessories, bits, chains, blades and replacement parts fully stocked to keep your tools operating at peak performance, we are confident you will enjoy your power tools from TIMBERWOLF TOOLS for many years to come.

Dimensions expressed in inches are approximate only.

Note: 1/8" = .125" = 3.175 mm. Prices on tools are subject to change without notice.

MAKITA 7104L



120V

Chain Mortiser

Able to cut mortises both quickly and accurately, the durable Makita Chain Mortiser makes fast work of mortising with a head that pivots to three plunge positions. This is the ideal tool for small to medium size timber frame companies, while being simple enough to operate for the "do-it-yourself" home builders.

PRICE MATCH!!

If you can find the 7104L at a lower price, where the supplier has it in stock and can ship it immediately, call us at 1-800-869-4169. We will match that price and ship your 7104L today! Call for details.

Standard Equipment

- Chain
- Wrench
- Chain Bar Oil
- 15.3 ft Cord

Accessory Chains

- 15mm (~9/16")
- 16.5mm (~5/8")
- 18mm (~11/16")
- 18mm Hardwood
- 21mm (~13/16")
- 24mm (~15/16")

SPECIFICATIONS

Mortising depth	7-1/8"	Clamp capacity	3-1/8" to 12-1/8"
Mortising width	1-15/16" by 9/16" to 15/16"	Nominal speed - no load	3,200 rpm
		Current	10.5 A
		Weight .....	.38 lbs



Step 1



Step 2



Step 3



Step 4



Step 5

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAKITA KP312



120V

12-1/4" Planer

Wide 12-1/4" capacity allows for full width planing of your large 12" beams and timbers. Features like the front roller, large cushioned front handle and adjustable guides help make this power planer very easy to use. Now with more power and reversible blades for quicker change-out, this is an excellent planer for your shop.

Standard Equipment

- Pair of Reversible Blades
- Socket Wrench
- Triangular Rule
- 33 ft Cord



SPECIFICATIONS

	Nominal speed - no load.....	12,000 rpm
Planing width.....	12-1/4"	Current.....
		15 A
Planing depth.....	1/8" (3mm)	Weight.....
		40.6 lbs

MAKITA 1806B



120V

6-3/4" Planer

Perfect for planing your medium sized timbers. Both powerful and accurate, this workhorse will readily create beautifully planed surfaces on even the hardest of woods.

Standard Equipment

- Pair of Blades
- Sharpening Holder Assembly
- Guide Rule
- Triangular Rule
- Allen Key
- 16.4 ft Cord
- Wooden Carrying Case



SPECIFICATIONS

	Nominal speed - no load.....	15,000 rpm
Planing width.....	6-3/4"	Current.....
		10.9 A
Planing depth.....	1/16"	Weight.....
		19.8 lbs



MAKITA 9741



120V

Wheel Brush Sander

Unmatched finishes are produced by this unique sander. The wheel brush spins at 3500 RPM, beautifully highlighting the natural textures and wood grain. Ideal for the clean up of re-claimed timbers, logs, and rough-sawn beams, and for giving planed surfaces a more rustic look.



Standard Equipment

- 100 Grit Nylon Brush
- Two Allen Keys
- Hose Coupling
- 16.4 ft Cord

Accessories

- 80 Grit Nylon Brush (coarser than the standard 100 Grit)
- Wire Metal Brush (for metal and aggressive wood cleaning)

Go to our website to see the Mafell UVA 115E Orbital Sander!

SPECIFICATIONS

Wheel width.....	4-3/4"	Nominal speed - no load.....	3,500 rpm
Wheel diameter.....	4"	Current.....	7.8 A
		Weight.....	9.3 lbs

MAKITA 1002BA



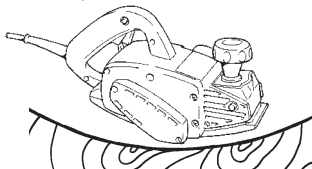
120V

Curved Base Planer

From creating arches and arcs in timbers to working on scarfs in logs, this planer's prowess is well known. With radius blades, this tool is frequently used to create the "hand hewn" look in timbers and logs.



concave min.
radius 11-7/8"



Standard Equipment

- Pair of Straight Planer Blades
- Sharpening Holder Assembly
- Blade Gauge
- Socket Wrench
- 16.4 ft Cord

Accessories

- Radius Blades (for the "hand hewn" look)

SPECIFICATIONS

Planing width.....	4-3/8"	Nominal speed - no load.....	15,000 rpm
Planing depth.....	3/16"	Current.....	9.6 A
		Weight.....	11.4 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAKITA 5104



120V

Circular Saw

This saw is an improved model of an old favorite! The big improvements over past models include its sturdy cast aluminum base and the cutting accuracy, due to better blade visibility from both sides. With its deep cuts and steady control, it will quickly become an indispensable tool in your shop.

Standard Equipment

- 24T Cross-Cutting Carbide Blade
- Rip Fence
- Allen Key
- 16.4 ft Cord



SPECIFICATIONS

Cutting depth at 0°.....	.0 to 3-3/4"	Saw blade diameter.....	10-1/4"
Cutting depth at 45°.....	.0 to 2-3/4"	Nominal speed - no load.....	3,800 rpm
Tilt range.....	.0 to 45°	Current.....	14 A
		Weight.....	20.3 lbs

MAKITA 6302H



120V

1/2" Drill

- Precision cut steel gears
- Magnesium front housing for increased durability
- Ergonomic handle with soft grip for increased comfort
- Extra long 8' rubber cord with 3-prong grounded plug
- Variable speed reversible control
- Double geared for high torque

Standard Equipment

- Side Handle
- Chuck Key
- 8 ft Cord

Compatible with the Mafell drilling stations on page 7



SPECIFICATIONS

Collar diameter.....	1-11/16"	Maximum drilling diameter in steel.....	1/2"
Chuck size.....	1/2"	Nominal speed - no load.....	.0 to 550 rpm
Maximum drilling diameter in wood.....	1-3/8"	Current.....	6.5 A
		Weight.....	4.8 lbs



TRI-CUT AUGERS



7-1/2" & 18" LENGTHS

Ultra Smooth Tri-Cut Augers

Ultra smooth cutting for perfect finished holes without "blowout"

- Tri-cut design.
- Unique "ultra-smooth" cutting spurs.
- Teflon coated to resist heat and friction.
- Carbon steel construction.
- Perfectly concentric shape.
- Lighter weight than standard augers.

Accessories

- Feather-Type Resharpener File
- 5-1/2" Bit Extender
- 12" Bit Extender



Cut with normal bit



Cut with WoodOwl bit

SPECIFICATIONS FOR 7-1/2"

Diameter	(Approx) Metric
3/8"	.95mm
7/16"	.11mm
1/2"	.13mm
9/16"	.14mm
5/8"	.16mm
11/16"	.175mm
3/4"	.19mm
13/16"	.21mm
7/8"	.22mm
15/16"	.24mm
1"	.25mm
—	
1-1/8"	.29mm
1-1/4"	.32mm
1-3/8"	.35mm
1-1/2"	.38mm

SPECIFICATIONS FOR 18"

Diameter	(Approx) Metric
3/8"	.95mm
7/16"	.11mm
1/2"	.13mm
9/16"	.14mm
5/8"	.16mm
11/16"	.175mm
3/4"	.19mm
13/16"	.21mm
7/8"	.22mm
15/16"	.24mm
1"	.25mm
1-1/16"	.27mm
1-1/8"	.29mm
1-1/4"	.32mm
1-3/8"	.35mm
1-1/2"	.38mm

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL BST



DRILLING STATIONS

Drilling Stations

Mafell's line of drilling stations is brilliantly engineered and constructed with the highest quality materials for a superior drilling experience. Using a lightweight but rigid single aluminum column and continually adjustable iris-like guide rollers, these drill guides offer unprecedented accuracy. The "S" versions can be precisely set to +/- 45°, and an innovative template system enables the user to produce highly accurate series of patterned holes. Notches in the base plate provide easy alignment to a marked location, and a parallel fence is available for end grain drilling or to reference drill from the edge of a timber. Mafell drilling stations include top and bottom stops, as well as an adjustable tensioning cable, which effortlessly returns the drill to its starting position.

Accessories

- Parallel Fence
- Copying Insert
- Special Drill Bit for Copying Insert

SPECIFICATIONS

Drilling depth using WoodOwl bit
 Maximum drill bit length
 Drill bit diameter range
 Drill collar diameter
 Tilt range
 Weight

BST 460

9-15/16"
 18-1/16"
 5/16" to 1-1/8"
 1-11/16"
 n/a
 11.3 lbs

BST 460 S

9-1/2"
 18-1/16"
 5/16" to 1-1/8"
 1-11/16"
 -45 to 45°
 12.3 lbs

BST 650 S

15-1/2"
 25-9/16"
 5/16" to 1-1/8"
 1-11/16"
 -45 to 45°
 13.3 lbs

MAFELL A 18M bi



18V BATTERY

Cordless Drill Driver

This is the ideal cordless drill for Mafell BST Drilling Stations thanks to its 1-11/16" (43mm) diameter clamping collar. With eleven different torque settings, 1st & 2nd gear options, and a variable-speed trigger – this drill/driver produces just the right amount of torque for a host of applications. A smart button on top of the tool allows the user to quickly convert between drilling, screw-driving, and the innovative "impulse" function (to remove stripped screws, or drill on smooth surfaces such as tile). The A 18M bi works perfectly with smaller lightweight batteries (total weight is 3.8 lbs without chuck) due to the highly-efficient 18V brushless and processor-controlled technology. See our website for the heavier ASB 18M bi Cordless Hammer Drill Driver.

Standard Equipment

- Quick-Release Chuck
- Quick-Release Bit Holder
- Belt Clip
- Auxiliary Handle
- PZ 2 Bit
- T-MAX Carrying Case

Accessories

- Angle Head
- 3x Torque Head

SPECIFICATIONS

Collar diameter 1-11/16"
 Chuck size 1/2"
 Maximum drilling diameter in wood 1-15/16"
 Maximum drilling diameter in steel 1/2"
 Maximum torque – soft 389 in-lbs (44 Nm)

Impulse torque – soft 433 in-lbs (49 Nm)
 Maximum torque – hard 796 in-lbs (90 Nm)
 Torque settings 11
 Nominal speed - no load 0 to 2,050 rpm
 Charger 120V
 Weight with battery 3.8 lbs



ABOUT MAFELL

Mafell is headquartered in Oberndorf a.N., Germany, about an hour south of Stuttgart.

Formed in 1899, Mafell has been designing and producing the world's finest and most complete line of portable timber framing tools since 1928. In more recent years, Mafell's innovations have extended into solutions for conventional carpentry applications as well, including leading products like the DD-40 Duo-Dowler, P1cc Jigsaw, MT 55 Plunge saw and KSS track-mounted circular saws.

In 1990, Mafell moved into the world's most advanced tool manufacturing facility in Oberndorf a.N. This factory is set apart from others since Mafell manufactures nearly every component for their tools in-house to the highest quality standards. Using state-of-the-art CNC machines, advanced plastic injection molding equipment, and the most advanced electric motor manufacturing systems, Mafell has a fully integrated manufacturing plant and over 400 long-term employees who produce truly great tools.

For over a century, Mafell has been a reliable partner of the woodworking trade. The company is known worldwide for both its close relations with woodworkers and their determination in implementing the special

needs and wishes of professional carpenters. Customers' feedback makes a critical contribution to the development and design of technically innovative Mafell products.

Mafell tools are built for heavy-duty continuous operation under extreme conditions. This toughness, combined with lightweight alloys and advanced technical innovations, result in long term precision and performance. And best of all, there's a Mafell tool for nearly every carpentry application and a tradition of innovation which will continue to produce the finest carpentry tools for generations to come.

Beginning in January 2007, TIMBERWOLF TOOLS became a Distributor of this premium line of tools in the United States and Canada. We carry a full line of Mafell accessories and parts to provide the very best support to our valued customers, as well as providing service if your tool ever needs repair. With a long term contract in place, TIMBERWOLF TOOLS has invested heavily in selling and supporting the Mafell line of tools for many years to come.

120V vs. 240V?

Nearly all Mafell tools are available with 120V and 240V motors. On most models, we stock 120V configurations but we can quickly get 240V versions if you prefer.



QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL PORTABLE BAND SAWS

MAFELL Z5Ec



120V

240V

12" Portable Band Saw

The Mafell Z5Ec takes the backbreaking work out of portable band sawing. Weighing only 30 lbs due to its magnesium die-cast components, this powerful and precise tool can cut a full 12" timber with perfectly square edges. Whether you are making elaborate curved designs, lap joints or tenons in large timbers, the Z5Ec does the job. Blades are precisely guided with a dual ball bearing guidance system, which ensures the blade will run smoothly and guarantees true vertical cutting. The angling blade feature allows you to cut far deeper into timbers than is possible with any other portable band saw. This is the finest 120V and 240V portable band saw in the world, featuring a powerful variable speed motor that even blows the saw dust off the line as you cut.

Standard Equipment

- Front & Rear-Cutting Blade
- Softwood-Cutting Blade
- Tight Radius-Cutting Blade
- Handle for Two-Man Operation
- Parallel Guide Fence
- DuPont Teflon Spray
- 32.8 ft Cord

Accessories

- Trolley
- Hardwood-Cutting Blade

Go to our website to see our Mafell tool combination specials!



SPECIFICATIONS

- Cutting depth 12"
- One band side swivel 0 to 30°
- Nominal speed - no load..... 650 to 1,550 rpm
- Current 15 A
- Weight 30 lbs



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MAFELL LS 103Ec


120V
240V

Chain Mortiser

The Mafell LS 103Ec is a truly impressive mortiser. Available with a 1.5" or 2.0" chain/bar/sprocket, it mounts on the stable FG 150 mortising stand to rapidly and accurately produce timber frame mortises. Or combine the LS 103Ec with the SG 230 slotting stand and chain/bar/sprockets, and you can precisely plunge up to 11-3/16" and create slots with a thickness range of 1/4" – 13/16". This extraordinary mortiser features chain bars which do not require lubrication, a powerful 120V motor, and chrome-hardened chains for long life. And the LS 103Ec is legendary for its reliability and accuracy. If you are thinking long-term, this is the right investment.

Standard Equipment

- Stop Plate
- Two Allen Keys
- LU202 Chain Lubricant
- 32.8 ft Cord



LS 103Ec, Chain Set-up and FG 150

1-1/2" width with 120V or 240V

2" width with 120V or 240V

LS 103Ec, Chain Set-up and SG 230

8mm width with 120V or 240V

11mm width with 120V or 240V

14mm width with 120V or 240V

*For other chain sizes 6mm–21mm please call.

MAFELL FG 150



MORTISE STAND

FG 150 Mortise Stand

This guide support stand for the LS 103Ec Chain Mortiser provides the stability needed for cutting perpendicular mortises to a depth of 5-7/8". The adjustable fence abuts against the beam for rapid plunges across the grain.

SG 230 Slotting Stand

This stand is intended for slotting in beam up to a depth of 11-3/16", either vertically or horizontally, supported by a sturdy fence with a handle.

MAFELL SG 230



SLOTTING STAND

*See website for SG 400 and SG 500 horizontal deep slot mortisers.

FG 150 WITH LS 103Ec

Mortising depth	5-7/8"
Mortising width	1-1/16" by 1.5" or 2.0"
Nominal speed - no load.....	4,050 rpm
Current	20 A
Weight with stand	29.7 lbs

SG 230 WITH LS 103Ec

Mortising depth	11-3/16"
Mortising width	1-15/16" by 8mm, 11mm or 14mm
Nominal speed - no load.....	4,050 rpm
Current	20 A
Weight with stand	37 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL ZSX Ec/400



120V

230V

Chain Beam Saw

The Mafell ZSX Ec/400 HM and ZSX Ec/400 Q are magnificent machines that cut precisely through large beams up to 15-11/16", rivaling the quality of a circular saw. This is partly due to a patented anti-splintering plate which prevents chipping along the cutting edge. And the HM model features razor sharp carbide teeth that cut remarkably cleanly. This saw can be easily and accurately swiveled up to 60 degrees in both directions, and coupled with the universal guide support, makes accurate and deep compound-angle cuts. This 31 lb tool is the best cross-cutting saw on the market.

[See website for dual motor ZSX-TWIN](#)

Standard Equipment

- Two Steel or Carbide Fine-Sawing Chains
- Chain Bar and Sprocket
- Parallel Guide Fence
- Combination Screw Driver
- Quart of Premium Chain Bar Oil
- 32.8 ft Cord

Accessories

- Trolley
- Universal Guide Support
- Anti-Splintering Plate

Optional Configurations

- ⁽¹⁾ 120V w/Carbide Chain
- ⁽²⁾ 120V w/Steel Chain
- ⁽³⁾ 230V w/Carbide Chain
- ⁽⁴⁾ 230V w/Steel Chain

SPECIFICATIONS

Cutting depth at 0°.....	15-11/16"	Tilt range both directions	-60 to 60°
Cutting depth at 45°.....	11-1/16"	Nominal speed - no load.....	3,000 to 3,600 rpm
Cutting depth at 60°.....	7-13/16"	Current	20 A
		Weight.....	31 lbs

MAFELL ZH 320Ec



120V

230V

12-9/16" Planer

The Mafell ZH 320Ec is considered by most timber framers to be the finest wide format planer in the world. This 12-9/16" planer is very lightweight at only 31 lbs, and extremely powerful. It has excellent gliding properties, even on moist timbers, and delivers a flat, smooth planed surface. An enhanced air duct provides excellent chip removal while the intelligent control electronics ensure smooth start-ups and constant speed under load. After switching off, the highly efficient tool brake stops the cutter head in seconds for added safety. The ZH 320Ec features guide rollers for maximum utilization of the planing width, and easy-to-change reversible knives for high productivity planing. All this with a powerful and reliable 120V motor! **Narrower ZH 205Ec and ZH 245Ec models also available, with all the benefits of the ZH 320Ec!**

Standard Equipment

- One Pair of Reversible Blades
- Single-End Spanner
- 32.8 ft Cord

Accessories

- Reversible 12-9/16" Blades

SPECIFICATIONS

Planing width.....	12-9/16"	Cutting head diameter.....	2-7/8"
Planing depth.....	.0 to 1/8" (3mm)	Nominal speed - no load.....	8,500 rpm
		Current	20 A
		Weight.....	31 lbs



MAFELL MKS 185Ec



240V

Circular Saw

The Mafell MKS 185Ec carpenter's portable circular saw uses ultra-modern die-cast magnesium alloys to achieve an extraordinary weight/performance ratio. Weighing only 42 lbs, the MKS 185Ec accurately and powerfully makes 7-1/4" cuts without bogging down. The cutting depth on the MKS 185Ec can be adjusted quickly via a precise hand wheel and an easy to read scale. It cuts to 60 degree angles and then returns to the 90 degree position without fine-tuning or re-squaring. This high quality saw is equipped with intelligent control electronics, ensuring a smooth start up and constant speed under load via a powerful 240V motor. For accurate long cross cuts, the MKS 185Ec also fits onto the Mafell guide rail system.

Standard Equipment

- 20T Cross-Cutting Carbide Blade
- Parallel Guide Fence
- Allen Key
- 32.8 ft Cord

Accessories

- 12T Ripping Carbide Blade
- 34T Fine-Cutting Carbide Blade
- 86T SIP-Cutting Carbide Blade
- Guide Rails
- Universal Guide

SPECIFICATIONS

Cutting depth at 0° off track	4-1/8" to 7-1/4"
Cutting depth at 45° off track	2-7/8" to 5-1/8"
Cutting depth at 60° off track	2-1/16" to 3-5/8"
Cutting depth at 0° on track	3-7/8" to 7"

Tilt range	0 to 60°
Saw blade diameter	17-11/16"
Nominal speed - no load	1,400 to 1,700 rpm
Current	15.9 A
Weight	42 lbs

MAFELL MKS 165Ec



230V

Circular Saw

This Mafell carpenter's portable circular saw has an extraordinary weight/performance ratio made possible due to the use of ultra-modern die-cast magnesium alloys. Weighing only 39 lbs, the MKS 165Ec accurately and powerfully makes 6-7/16" cuts like no other saws in its class. The MKS 165Ec cuts to 60 degree angles and then returns to the 90 degree position without fine-tuning or re-squaring. The cutting depth can be adjusted quickly via a precise hand wheel and an easy to read scale. And this high quality saw is equipped with intelligent control electronics, ensuring a smooth start up and constant speed under load. Like all Mafell portable circular saws, the MKS 165Ec also fits onto the Mafell guide rail system.

Standard Equipment

- 28T Cross-Cutting Carbide Blade
- Parallel Guide Fence
- Allen Key
- 32.8 ft Cord

Accessories

- 20T Ripping Carbide Blade
- Guide Rails
- Universal Guide

SPECIFICATIONS

Cutting depth at 0° off track	3-5/16" to 6-7/16"
Cutting depth at 45° off track	2-5/16" to 4-9/16"
Cutting depth at 60° off track	1-5/8" to 3-3/16"
Cutting depth at 0° on track	3-1/16" to 6-1/4"

Tilt range	0 to 60°
Saw blade diameter	16-1/8"
Nominal speed - no load	1,500 to 1,800 rpm
Current	15.2 A
Weight	39 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL MKS 130Ec



120V

240V

Circular Saw

The MKS 130Ec is an impressive saw, packed with performance features which set it apart from similarly sized saws. Sheer power and high torque take on a whole new meaning with the high-output CUPrex motor, offering digital electronics and intelligent control technology. Its speed is continuously variable according to the nature of the material and application. Nothing is left to chance as far as safety is concerned: the MKS 130Ec features a motor brake, self-closing saw guard and a riving knife. The MKS 130Ec cuts to 60 degree angles and then returns to the 90 degree position without fine-tuning or re-squaring. Mafell saws are lightweight due to their sturdy magnesium bases, and combine a superior blade guard and dust removal system. Everyone's favorite saw!

Standard Equipment

- 24T Ripping Carbide Blade
- Parallel Guide Fence
- Allen Key
- 32.8 ft Cord

Accessories

- 40T Fine-Cutting Carbide Blade
- Guide Rails
- Universal Guide

SPECIFICATIONS

Cutting depth at 0° off track 1-15/16" to 5-1/16"
 Cutting depth at 45° off track 1-7/16" to 3-11/16"
 Cutting depth at 60° off track 15/16" to 2-1/2"
 Cutting depth at 0° on track 1-11/16" to 4-7/8"

Tilt range. 0 to 60°
 Saw blade diameter. 12-15/16"
 Nominal speed - no load. 1,000 to 2,000 rpm
 Current 20.5 A
 Weight. 31 lbs

MAFELL K85Ec



120V

Circular Saw

The K85Ec is packed with features that make this lightweight saw safe and easy-to-use in so many applications. Its unique FLIPPKEIL plunge cut system sets this Mafell saw apart from others in its size range, with a riving knife which disappears into the protective cover during plunges. Cutting depth and angle can be set exactly with the precise scales, and the dual rail fence allows accurate reference cuts and ripping. The CUPrex motor enables variable cutting speeds according to the nature of the material and application. Like all Mafell portable circular saws, the K85Ec also fits onto the Mafell F-guide rail system. It cuts to 60° angles and then returns to the 90° position without fine-tuning or re-squaring. Lightweight and precise!

Standard Equipment

- 12T Ripping Carbide Blade
- Parallel Guide Fence
- Hose Connector
- Allen Key
- 13.1 ft Cord
- LMAX Carrying Case

Accessories

- 24T Cross-Cutting Carbide Blade
- 56T Fine-Cutting Carbide Blade
- Guide Rails
- Roller Edge Guide

SPECIFICATIONS

Cutting depth at 0° off track 0 to 3-7/16"
 Cutting depth at 45° off track 0 to 2-3/8"
 Cutting depth at 60° off track 0 to 1-3/4"
 Cutting depth at 0° on track 0 to 3-3/16"

Tilt range. 0 to 60°
 Saw blade diameter. 9-5/16"
 Nominal speed - no load. 2,250 to 4,400 rpm
 Current 17 A
 Weight. 16 lbs



MAFELL KSS 80Ec/370



120V

Cross-Cutting System

All the features and performance of the K85Ec, combined with all of the advantages of a cross-cutting system — the KSS 80Ec/370 is an extraordinary package. This powerful and innovative circular saw is connected to a sturdy aluminum guide track composed of a friction pad on the bottom side of the guide and an adjustable “smart” stop for either perfectly square cuts or precise miter cuts, up to a 60° angle. The KSS 80Ec/370 boasts a cutting depth up to 3-7/16" and a powerful CUprex motor capable of both cross-cutting and ripping. Simply place the guide track up against the leading edge of the stock and push the saw through the wood, without needing to guide the saw or follow the line by eye. Precision and power in a lightweight design!

Standard Equipment

- GuideTrack 370 (14-9/16")
- 12T Ripping Carbide Blade
- Parallel Guide Fence
- Hose Connector
- Allen Key
- 13.1 ft Cord

Accessories

- 24T Cross-Cutting Carbide Blade
- 56T Fine-Cutting Carbide Blade
- Guide Rails
- Roller Edge Guide

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 3-3/16"
Cutting depth at 45° on track	.0 to 2-3/16"
Cutting depth at 60° on track	.0 to 1-1/2"
Cutting depth at 0° off track	.0 to 3-7/16"

Tilt range	.0 to 60°
Saw blade diameter	9-5/16"
Nominal speed - no load	2,250 to 4,400 rpm
Current	17 A
Weight with track	19.8 lbs

MAFELL KSS 60cc



120V

Cross-Cutting System

Armed with a powerful 14 amp CUprex Compact 120v motor and performance-optimized digital electronics, the KSS 60cc makes quick work of even the hardest woods up to 2-3/8" deep. The built-in 16" track, with its adjustable smart stop, creates the fastest, cleanest cross cuts at any angle up to 45 degrees. Detach the cross-cutting track with the press of a button to virtually acquire the best skill saw in its class:

Mafell's K65cc! When off the track, the saw gains 1/4" of cutting depth and sheds 3 lbs of weight while maintaining accuracy for long rip cuts using the parallel guide fence or Mafell F-Guide tracks. Exceptional features include: Variable speed motor, fast and safe blade change, easy depth and tilting adjustment, exceptional dust removal, precise depth stop settings, and superior riving knife/splitter technology.

Standard Equipment

- GuideTrack 400 (16")
- 32T Cross-Cutting Carbide Blade
- Parallel Guide Fence
- Allen Key
- 13.1 ft Cord

Accessories

- Various guide rails, saw blades, carrying case, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 2-3/8"
Cutting depth at 45° on track	.0 to 1-13/16"
Cutting depth at 0° off track	.0 to 2-5/8"
Cutting depth at 45° off track	.0 to 2-1/16"

Tilt range	.0 to 45°
Saw blade diameter	7-1/4"
Nominal speed - no load	2,700 to 4,700 rpm
Current	14 A
Weight with track	13.4 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL KSS 50cc



120V

Cross-Cutting System

Now with a deeper cut, more power, and bright LEDs to highlight your cutting line, the KSS 50cc will forever change the way you think about cutting large or small timbers. It can take the place of a chop saw using its cross cutting system, emulates a table saw for making long cuts using the F Guide Rail System, and functions as a powerful circular saw since the quick-release catch easily detaches the saw from the guide track. **Three saws in one!** This enables a carpenter to make accurate and clean cuts at the work location without having to walk back and forth to stationary saws, saving energy and time. And thanks to magnesium die-cast components, the entire KSS 50cc system weighs only 12 lbs.

Standard Equipment

- GuideTrack 400 (16")
- 32T Cross-Cutting Carbide Blade
- Allen Key
- 13.1 ft Cord

Accessories

- Various guide rails, saw blades, carrying case, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 2"	Tilt range	.0 to 45°
Cutting depth at 45° on track	.0 to 1-5/8"	Saw blade diameter	6-5/8"
Cutting depth at 0° off track	.0 to 2-1/4"	Nominal speed - no load	5,700 rpm
Cutting depth at 45° off track	.0 to 1-7/8"	Current	11.6 A
		Weight with track	12 lbs

MAFELL KSS 300



120V

Cross-Cutting System

The Mafell KSS 300 cross-cutting system offers finish carpenters, floor-layers and cabinet makers a whole new way to make fast and highly accurate cuts. This lightweight and innovative circular saw is connected to a unique aluminum guide track, containing adjustable stops for either perfectly square cuts or precise miter cuts up to a 45° angle. **Stop carrying those heavy tools to your worksite!** The KSS 300 can take the place of a chop saw and table saw, enabling the finish carpenter to make accurate and clean cuts at the work location.

Standard Equipment

- GuideTrack 300 (11-13/16")
- 40T Fine-Cutting Carbide Blade
- Parallel Guide Fence
- Flexi-Guide FX140 (4.5')
- Hose Connector
- Allen Key
- 13.1 ft Cord
- T-MAX Carrying Case

Accessories

- Various saw blades, guide rails, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 1-9/16"	Tilt range	.0 to 45°
Cutting depth at 45° on track	.0 to 1-1/16"	Saw blade diameter	4-11/16"
Cutting depth at 0° off track	.0 to 1-5/8"	Nominal speed - no load	8,800 rpm
Cutting depth at 45° off track	.0 to 1-1/8"	Current	9.1 A
		Weight with track	6.6 lbs



MAFELL KSS 60 18M bl



18V BATTERY

Cordless Cross-Cutting System

All the benefits of the Mafell KSS 50 18M bl Cordless Cross-Cutting System with a deeper cut and a rip fence that comes standard! Features include side-by-side scales indicating the cutting depth on or off a track, a red pointer marking the exact cutting line when off the track (even during a bevel cut) and bright LEDs highlighting a sizeable work area when the switch trigger is pulled. The KSS 60 18M bl maintains an excellent cutting depth of 2-3/8" deep at 0° and 1-13/16" deep at 45° on the lightweight Mafell Guide Rail System (the rails, connecting pieces and clamps are themselves quite transportable in the Guide Pocket bag accessory). There are two versions to choose from: with or without batteries and charger.

Standard Equipment

- GuideTrack 400 (16")
- 32T Cross-Cutting Carbide Blade
- Parallel Guide Fence
- Dust Bag
- Allen Key
- Metal Carrying Case

Accessories

- Various guide rails, saw blades, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 2-3/8"	Tilt range	.0 to 45°
Cutting depth at 45° on track	.0 to 1-13/16"	Saw blade diameter	7-1/4"
Cutting depth at 0° off track	.0 to 2-5/8"	Nominal speed - no load	4,450 rpm
Cutting depth at 45° off track	.0 to 2-1/16"	Charger	120V
		Weight with battery and track	13.2 lbs

MAFELL KSS 50 18M bl



18V BATTERY

Cordless Cross-Cutting System

Perfectly-sized blades and a unique tilting system help this cordless saw tackle two key thresholds when cutting on a track: 2" material at 0° and Two-by material at a 45°. Lengthwise the KSS 50 18M bl is able to cross-cut a full 16" on its world-class track, with adjustable smart stops allowing for diagonal cuts up to 60° in either direction. Even with its track, this cordless saw weighs only 12.9 pounds, making it a safe and easy joy to use. Mafell's popular dust bag comes standard to capture an impressive amount of sawdust – even during bevel cuts due to its clever design. Also included is the handy metal carrying case measuring 31" x 12" x 11" that fits the saw, cross-cutting track, charger and Li-HD batteries perfectly. There are two versions to choose from: with or without batteries and charger.

Standard Equipment

- GuideTrack 400 (16")
- 32T Cross-Cutting Carbide Blade
- Dust Bag
- Allen Key
- Metal Carrying Case

Accessories

- Various guide rails, saw blades, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 2"	Tilt range	.0 to 45°
Cutting depth at 45° on track	.0 to 1-5/8"	Saw blade diameter	6-5/8"
Cutting depth at 0° off track	.0 to 2-1/4"	Nominal speed - no load	4,450 rpm
Cutting depth at 45° off track	.0 to 1-7/8"	Charger	120V
		Weight with battery and track	12.9 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL KSS 40 18M bl



18V BATTERY

Cordless Cross-Cutting System

Mafell's cordless KSS 40 18M bl is the ultimate saw for difficult-to-reach rooftops, walk-up apartment buildings, and moving around outdoors where extension cords simply aren't practical. The special aluminum 11-13/16" cross-cutting track is second to none: allowing for fast and perfect cross-cuts at any diagonal from -45° to 60° with smart stops at important markers such as 0 degrees for square cuts. Mobility is further enhanced by Mafell's award-winning Flexi-Guide FX140, which unrolls into a 4.5' track-on-the-go, and easily rolls back up to fit in the 16" x 12" x 13" T-MAX carrying case. The batteries, charger and dust bag also fit in this compact sustainer—no problem! There are two versions to choose from: with or without batteries and charger.

Standard Equipment

- GuideTrack 300 (11-13/16")
- 24T Cross-Cutting Carbide Blade
- Parallel Guide Fence
- Hose Connector
- Dust Bag
- Allen Key
- T-MAX Carrying Case

Accessories

- Various saw blades, guide rails, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 1-9/16"
Cutting depth at 45° on track	.0 to 1-1/16"
Cutting depth at 0° off track	.0 to 1-5/8"
Cutting depth at 45° off track	.0 to 1-1/8"

Tilt range	.0 to 45°
Saw blade diameter	.4-11/16"
Nominal speed - no load	6,700 rpm
Charger	120V
Weight with battery and track	.8 lbs

MAFELL MT55 18M bl



18V BATTERY

Cordless Plunge/Track Saw

Fine woodworkers can now enjoy key MT55cc benefits such as the world's fastest/safest blade change, 2" cutting depth on a track, thin efficient blade kerf, and the industry's best scoring function—all in a cord-free environment! The MT55 18M bl comes standard with Mafell's popular dust bag, Parallel Guide Fence and Position Indicator, with everything fitting nicely in the lightweight "T-Loc" sustainer including the 120V charger and maximum-runtime Li-HD batteries. Ultimately a track saw is only as good as its tracks, portable tracks are only as good as their connecting pieces, and connections are virtually seamless in the case of Mafell's Guide Rail System. There are two versions to choose from: with or without batteries and charger.

Standard Equipment

- 48T Fine-Cutting Carbide Blade
- Position Indicator MT-PA
- Parallel Guide Fence
- Dust Bag
- Allen Key
- T-MAX Carrying Case

Accessories

- Various guide rails, saw blades, and other accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	.0 to 2"
Cutting depth at 45° on track	.0 to 1-3/8"
Cutting depth at 0° off track	.0 to 2-3/16"
Cutting depth at 45° off track	.0 to 1-9/16"

Tilt range	-1 to 48°
Saw blade diameter	.6-1/4" to 6-3/8"
Nominal speed - no load	4,850 rpm
Charger	120V
Weight with battery	10.4 lbs



MAFELL MT55cc



120V

Plunge/Track Saw

Circular sawing reaches its apex with the MT55cc Plunge Cut saw. As a plunge cut saw, the saw blade is contained in the body of the saw. This makes it safer and easier to use on a track system. With or without an extraction vacuum, it also creates a cleaner workspace because the dust is contained in the guard. Cutting depth adjustments can be made precisely using the pointer on the scale. The angle adjusts from 0–45 degrees, but can be overridden to +48 or -1 when a little more is needed in either direction. A scoring system to 3mm depth is available for cutting laminates splinter-free. Many other features described in the MT55cc Catalog Sheet on our website make the MT55cc a cut above the rest.

Standard Equipment

- 48T Fine-Cutting Carbide Blade
- Allen Key
- 13.1 ft Cord
- T-MAX Carrying Case

Accessories

- Guide Rails
- Position Indicator
- Various saw blades, roller edge guide, and dust collection accessories are available

SPECIFICATIONS

Cutting depth at 0° on track	0 to 2"
Cutting depth at 45° on track	0 to 1-3/8"
Cutting depth at 0° off track	0 to 2-3/16"
Cutting depth at 45° off track	0 to 1-9/16"

Tilt range	-1 to 48°
Saw blade diameter	6-1/4" to 6-3/8"
Nominal speed - no load	3,600 to 6,250 rpm
Current	13.5 A
Weight	10 lbs

MAFELL P1cc



120V

Jigsaw

From time to time, even proven solutions need to be reexamined in the interest of progress. That's exactly what Mafell did in this case and the outcome is the innovative P1cc. The design of the Mafell precision saw blade CUnex W1, in particular, facilitates extremely precise sawing. With an assortment of 11 different saw blades, the P1cc is suitable for cutting wood laminates, plastic, metal, timber containing metal, gypsum, melamine resin panels and fiber-center board. The splinter guard eliminates chipping on both top and bottom surfaces, and the P1cc is equipped with a CUprex compact motor that delivers 900 Watts of power. The P1cc compatibility with the Mafell F guide rail system makes for even greater precision, and a separate tilting plate is available for angled cuts up to +/- 45°.

Standard Equipment

- Three Jigsaw Blades CUnex W1, W2, W+P2
- Parallel Guide Fence
- Base Plate for 90° Cuts
- Hose Connector
- Chip Deflector
- Splinter Guard
- Glider
- 13.1 ft Cord
- T-MAX Carrying Case

Accessories

- Various splinter guards, tilting base, jigsaw blades, guide rails and other accessories are available

SPECIFICATIONS

Cutting depth with W3 blade off track	4-7/16"
Tilt range with Tilting Base P1-SP	-45 to 45°

Stroke length	1"
Nominal speed - no load	800 to 3,000 rpm
Current	7 A
Weight	5.4 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL DDF 40



120V

Duo Dowel System

The new Mafell DDF 40 Duo Dowel System introduces greater ease and efficiency to the task of drilling accurate dowel holes. Its hallmarks include a broad range of applications, an ergonomic design, and a flat base plate for easy handling. When producing corner joints, partitions, or rows of holes, the DDF 40 offers the precision of a stationary machine along with the cost savings of wooden dowels. In most cases you do not need to use a template or mark out the work, thanks to the variety of stops and fences. Mafell has put together a host of online videos showing the many different uses of the DDF 40.

Standard Equipment

- Two 6mm (~1/4") and two 8mm (~5/16") Carbide Drill Bits
- 6 x 30mm Dowels (350 Pieces) and 8 x 30mm Dowels (200 Pieces)
- Two Anti-Slip Mats
- 8.4 fl oz Empty Glue Bottle
- 5/16" Dowel Nozzle
- Hose Connector
- Allen Key
- ZA Auxiliary Rest
- ZAG Additional Stop Set
- PAZ Position Indicator
- SA 320 Side Fence Set
- LA Stop Pin Insert for Battens
- 13.1 ft Cord
- T-MAX Carrying Case

SPECIFICATIONS

Drilling depth .....	.0 to 1-9/16"
Drill bit spacing	1-1/4"
Tilt range .....	.0 to 90°
Chuck diameter .....	.5/16"

Maximum bit diameter	1/2"
Minimum bit diameter	1/8"
Nominal speed - no load	8,000 rpm
Current	7.8 A
Weight	6.4 lbs

MAFELL DD40P



120V

230V

Duo Dowel System

Mafell's DD40P Duo Dowel System has triggered a revolution in portable joining. Never has it been easier to make strong joints when fastening pieces of wood together no matter whether the joints are butted, mitered or beveled together. Each plunge of the DD40P makes a pair of holes into which conventional dowels fit. The stop system allows for accurate placement of the holes so that the companion piece is perfectly aligned. Assembly is easy and can be pre-fitted prior to gluing. No clamping is necessary. The DD40P system is faster, more precise and less expensive than any of its rival joining systems.

Standard Equipment

- Two 8mm (~5/16"), 10mm (~3/8"), and 12mm (~1/2") Carbide Drill Bits
- Two hundred 8 x 30mm Dowels, one hundred 10 x 40mm Dowels, and forty 12 x 60mm Dowels
- Two Anti-Slip Mats
- 8.4 fl oz Empty Glue Bottle
- 5/16" Dowel Nozzle
- Allen Key
- Auxiliary Stops
- 13.1 ft Cord
- T-MAX Carrying Case

Accessories

- Various template guides, drill bits, and other accessories are available

SPECIFICATIONS

Drilling depth .....	.0 to 1-9/16"
Drill bit spacing	1-1/4"
Tilt range .....	.0 to 90°
Chuck diameter .....	.5/16"

Maximum bit diameter	5/8"
Minimum bit diameter	3/16"
Nominal speed - no load	13,500 rpm
Current	8.3 A
Weight	6.2 lbs



MAFELL PSS 3100 SE



120V

Portable Panel Saw

The PSS 3100 SE is the world's first self-driven, rail-guided and mobile panel saw. Unique design features ensure that hardly any dust escapes during operation. In conjunction with the integrated suction channel and the S 35 HEPA vacuum system, it eliminates practically all of the dust particles that occur. With Mafell's diamond saw blade, the PSS 3100 SE is well equipped for use with mineral containing materials including cement fiber panels. Full-wave electronics, with speed adjustment and smooth starting, improve safety and allow the speed to be adjusted for various materials, including plastics. The electronics also ensure constant speed under load and protect the machine against overloading.

Standard Equipment

- 24T Cross-Cutting Carbide Blade
- Allen Key
- 13.1 ft Cord

Accessories

- 4T Diamond Blade with Riving Knife
- Cross Fence (4.1 ft)

SPECIFICATIONS

Cutting depth . . . . .	.0 to 1-3/4"	Saw blade diameter.	6-1/4"
Cutting length	10.2 ft	Nominal speed - no load.	2,600 to 5,200 rpm
Feed rate speed	0.2 to 1.1 ft/s	Current	13 A
		Weight with track.	37 lbs

MAFELL ERIKA 85



230V

Pull-Push Saw

The ERIKA 85 Pull-Push saw combines the strengths of a table saw and miter saw, while eliminating their weaknesses. It comes standard with the multi-purpose guide fence – allowing two miter cuts without changing or adjusting the fence, resulting in perfect 90° connections. With a powerful 230V motor and four accessory blade options, the ERIKA 85 is able to process solid wood, board materials, parquet and laminate flooring, aluminum profiles and plastics. Despite being a “big sister,” the ERIKA 85 is the lightest pull-push saw in its class: enabling quick and easy transportation to save precious time on the job site.

Standard Equipment

- 40T Cross-Cutting Carbide Blade
- Multi-Purpose MFA Guide Fence
- Clamping Piece
- Extension Kit with Wheels
- Push Stick
- Allen Key
- Extraction Set with Two Connectors
- Fold-Away Support /Quickstand
- 13.1 ft Cord

Accessories

- Various blades, guides, tables and other accessories are available

SPECIFICATIONS

Cutting height . . . . .	.0 to 3-5/16"	Table top dimensions.	1.7 by 3 ft
Cutting height at 45° . . . . .	.0 to 2-5/16"	Working height with stand	2.9 ft
Tilt range.	-3 to 48°	Saw blade diameter.	9-13/16"
Pull-cutting length	16-7/8"	Nominal speed - no load.	2,050 to 4,300 rpm
		Current	12.6 A
		Weight with fence	39 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



ARUNDA



DOVETAIL SYSTEM

Dovetail System

What usually comes to mind when you think of dovetails in wood is quality craftsmanship and superior joinery strength. That kind of woodworking is costly because it takes time and skill to achieve. But that's where the ARUNDA Dovetail System can help. The ARUNDA System uses a male jig to make the dovetail tenon and a female jig to create the dovetail mortise. The cutting is done with the powerful Mafell LO 65Ec router coupled with the ARUNDA Dovetail Router Bit. Imagine how solid a floor system with dovetailed floor joists would be. It's not hard to fabricate with the ARUNDA Jigs. In fact, the ARUNDA Dovetail system is a faster way to make strong timber frame systems. Don't let the simplicity fool you, though. The ARUNDA design has been carefully studied from an engineering standpoint to maximize workloads. The jigs are available with either a fixed fence for 90° cuts, or with an adjustable tilting fence for angled cuts. In addition, the fixtures have both metric and inch measurements.

Standard Equipment

- Jigs for Male and Female Dovetails
- Dovetail Bit with Two Reversible Carbide Blades
- Guide Ring for Router
- Expansion Plate for Router
- Positioning Gauge for Setting Dovetail Depth
- One Additional Pair of Reversible Carbide Blades for the Dovetail Bit

Accessories

- Clamps (15.7" x 5.5")

SPECIFICATIONS

Intended timber width
Max bearing load
Tilt range

50N

1-3/4" to 4"
1,672 lbs
-50 to 50°

80N

3-1/8" to 5-1/2"
2,178 lbs
-50 to 50°

120N

4-3/4" to 8"
3,630 lbs
-50 to 50°

160B

6" to 12"
4,620 lbs
n/a

MAFELL LO 65Ec



230V

Hand Router

The Mafell LO 65Ec is the optimum router for the ARUNDA dovetail fixture system. With a 2600 W (3.5 HP) 230V motor, capable of operating between 10,000–22,000 rpm, this router has all of the power necessary to drive the custom ARUNDA dovetail bit at the highest productivity rates. This is the most precise and powerful router available for demanding applications, and has been extensively tested and recommended

by the ARUNDA company for optimum performance with their fixtures. Non-ARUNDA users of the LO 65Ec prefer the version with the Parallel Guide Fence, which also comes with a Revolving Depth Control Turret and 8mm Collet (~5/16").

Standard Equipment

- Adapter for M12x1 ARUNDA Bit
- 1-1/8" Template Guide
- Chip Collector
- Single-End Spanner
- 13.1 ft Cord
- T-MAX Carrying Case

Accessories

- 1/2" Collet
- 1/4" Collet
- Adapter for M10 Router Bits

SPECIFICATIONS

Cutting depth	0 to 2-1/2"	Current	13.8 A
Nominal speed - no load	10,000 to 22,000 rpm	Weight	12.5 lbs



MAFELL NFU 50



230V

Groove Cutter

The NEW Mafell NFU 50 is the all-in-one grooving machine for tenons, knee braces, dados, birdsmouths, lap joints and more. The powerful 230V CUprex motor has no problem making 2-5/16" wide grooves up to 1-15/16" deep with the standard cutter head. If thinner dados are needed: an accessory Expanding Groove Cutter Head is available for purchase, which is adjustable to produce grooves between 7/8" and 1-9/16" wide. The NFU 50 also comes with a 14-9/16" cross-cutting track, and detaches from this track with the press of a button to be used with the Mafell Guide Rail System or Universal Guide accessory. Learn about the groove cutter's many applications with Mafell's online tutorial videos.

Standard Equipment

- GuideTrack 370 (14-9/16")
- 6-3/8" x 2-5/16" Groove Cutter Head
- Parallel Guide Fence
- Position Indicator NFU-PA
- Side Fence SA 625
- Two Repeat Stops
- Two Allen Keys
- 32.8 ft Cord

Accessories

- Expanding Groove Cutter Head
- Universal Guide Support
- Guide Rails

SPECIFICATIONS

Cutting depth on track.....	.0 to 1-11/16"
Cutting depth off track.....	.0 to 1-15/16"
Cutting width.....	2-5/16"

Tilt range.....	.0 to 45°
Cutting head diameter.....	6-3/8"
Nominal speed - no load.....	5,900 rpm
Current.....	10.8 A
Weight with track.....	20.8 lbs

MAFELL ZK 115Ec



230V

Notch Cutter

Until now, making skew notches or birdsmouth cuts was a trial-and-error process. The ZK 115Ec makes it easy to accurately cut birdsmouths: simply mark the center line of the cut across the beams, align the guide track and push! Precision cuts can be made in a single operation across a whole series of beams or rafters, increasing your productivity. Three aluminum heads are available, with reversible carbide teeth, for dadoing to a depth of 2-3/4", or even deeper birdsmouths.

Standard Equipment

- Skew Notch Cutter Head or Lap Joint Cutter Head
- Parallel Guide Fence
- Allen Key
- Screw Driver
- 32.8 ft Cord

Accessories

- 14 x 14 x 2mm Carbide Knife
- Screw for Knives
- Guide Rails
- Parallel Guide Fence Adapters

SPECIFICATIONS

Cutting depth of Skew notch.....	.0 to 3-1/16"
Cutting depth of Lap joint.....	.0 to 2-3/4"
Cutting width of Lap joint.....	1-15/16"

Tilt range.....	.0 to 60°
Cutting head diameter.....	5-7/8" or 9-1/4"
Nominal speed - no load.....	4,050 rpm
Current.....	15.9 A
Weight.....	40 lbs

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



MAFELL MF 26cc/400



120V

Multi-Cutter

Imagine 5 tools in 1: Mafell's MF 26cc/400 can groove-cut, cross-cut, plunge-cut, and chamfer wood/ laminates, plus its routing capabilities allow curving, bending, and folding a variety of challenging materials such as aluminum and wallboard. This cutting tool is extremely precise thanks to its fine depth adjuster, and has best-in-class dust collection systems due to its enclosed cover and vertical removal of chips. Switching between the five applications is fast and easy: the housing opens with the press of a button and lever, which automatically engages the starting switch lockout for added safety. Carpenters, electricians, drywall pros, and architects should all review the MF 26cc/400's many uses and accessories in the Mafell online catalog and online videos.

Standard Equipment

- GuideTrack 400 (15-3/4")
- Groove Cutter Head MF-VN 25
- 24T Cross-Cutting Carbide Blade
- Parallel Guide Fence
- 13.1 ft Cord
- Metal Carrying Case

Accessories

- Drywall Cutter Head
- Aluminum Cutter Head
- Tri-Slotting Head
- Various guide rails, saw blades, and dust collection accessories are available

SPECIFICATIONS

Cutting depth on track . . . . .	.0 to 1"	Saw blade diameter	4-11/16"
Cutting depth off track . . . . .	.0 to 1-3/16"	Nominal speed - no load	3,600 to 6,250 rpm
Groove cutter width	5/8" to 15/16"	Current	10 A
		Weight with track	14.4 lbs

MAFELL FM 1000



120V

Milling Motor

Mafell milling motors for portal milling machines, cutting tables, grinding rigs, and flexible shafts are made in Germany with the highest quality standards, boasting a maximum concentricity of less than 0.05mm at a distance of 25mm (or less than 0.01mm in the cone). Each FM 1000 is "broken in" under lab conditions before shipping in order to maximize service life. An enclosed ball bearing absorbs thrust as effectively as possible, and the labyrinth seal protects the spindle and bearings permanently from tiny particles, dust and chips. The speed can be infinitely adjusted to any application, and the digital electronics are equipped with soft start, idle speed reduction, constant speed under load, and overload protection.

Standard Equipment

- 1/4" Collet
- Collet Nut
- Open-Ended Spanner
- 13.1 ft Cord

Accessories

- 1/8" Collet
- 1/4" Collet

SPECIFICATIONS

Clamping collar diameter	1-11/16"	Noise level	71 dB(A)
Dimensions	2.9" x 10" x 3.2"	Nominal speed - no load	10,000 to 25,000 rpm
		Current	9.4 A
		Weight	3.7 lbs



ABOUT YETI TOOL SMARTBENCH

Yeti Tool based in Bristol, England specializes in engineering and producing innovative digital tools. Their SmartBench is a large format CNC router at an affordable price with a space-friendly footprint. It drills, pockets, mills, mortises, carves, or dados your projects, allowing you to manufacture complex products in your shop, or take precise machining to your jobsite.

Timberwolf Tools has recently become the exclusive USA Distributor for the Yeti Tool SmartBench, stocking SmartBench products, accessories, and parts at our Chicago

distribution center. We believe SmartBench offers tremendous potential value to our customers as a highly productive state-of-the-art, industrial-grade, portable, large format, cost effective 3D CNC router.

CNC machines offer an entirely different approach to machining products, particularly when the product you need to make is full of irregular X, Y or Z-axis shapes, or you need to make several of the same products. You teach the machine what you need through programming, set it up, step away and let it do its work.



KEY BENEFITS

- Full Sheet 4' x 8' portable 3D CNC Router
- Cutting height of nearly 6" (cutter length dependent) with quick and accurate Z-axis calibration for each tool
- Easily transportable with a van, truck or SUV
- Set up and breakdown SmartBench in 3 to 5 minutes, and < 1 minute tool change outs
- Brilliant, easy to read color interface with programming functions
- Fast and easy Wi-Fi or USB drive file transfer
- High efficiency dust collection and removal with an attached vacuum (accessory)
- Finished part accuracy +/- 0.02" or better, depending on feed rates and number of passes
- Autonomous cutting (set it up and let it run while you prepare the next project)
- Compatible with many materials including: wood, composites, hard & soft plastics, and non-ferrous metals

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



SPECIFICATIONS

Movement

X axis travel:	4.1 ft
Y axis travel:	8.2 ft
X & Y max speed:	19.7 ft per minute
Z axis travel:	5.9"
Z max speed:	6.5 ft per minute
X & Y axis:	Rack and pinion
Z axis:	Lead screw (dual lead screws on PrecisionPRO)

Data Input

Software:	SketchUp, Vectric Aspire, Vectric VCarve, Fusion 360 and others
File type:	GRBL (known as "G codes")

Accuracy

Machine:	+/- 0.005" (0.125mm)
Finished part:	+/- 0.02" (0.5mm) or better

Physical Dimensions

Length:	9 ft
Width:	5.5 ft
Height:	4.5 ft
Weight:	167 lbs



Spindle	Standard	Precision and PrecisionPRO
Nominal speed - no load:	10,000 to 29,000 rpm	10,000 to 25,000 rpm
Motor:	120 V / 60 Hz	120 V / 60 Hz
(Power) Current:	(800 W) 6.7 A	(1000 W) 9.4 A
Standard collet:	1/4" OZ	1/4" ER16
Max shank:	3/8" (10mm)	3/8" (10mm)
Manufacturer:	AMB Elektrik	YetiTool Ltd / Mafell AG





Advantages

Take CNC routing out of the factory and into your workshop with SmartBench, the patented large format, CNC router from Yeti Tool.

With its touch screen assistant, lightweight compactable frame, and 3-axis cutting capability, everything has been imagined in designing this industrial grade, user-friendly smart router.

SmartBench assembles in 3 to 5 minutes or less and can be stored in even the tightest of workshops/industrial spaces.

CAD/CAM Software

In order to start cutting, you will output files from your own CAD/CAM software to design and create your projects. We recommend you consider using Vectric VCarve Pro, Vectric Aspire, SketchUp, or Fusion 360. However any CAM processor that produces GRBL output data will work fine! Easily output design files from a PC or App via Wi-Fi or USB, or use the new "Shape Cutter" functionality that is now built into the control console for standard shapes.



Router Bits

Standard 1/4" shank carbide CNC router bits can be used to fit the SmartBench spindle head. Bits can be changed out and Z-axis calibrated in less than a minute. We do not currently offer router bits but we may in the near future. Bits by CMT or TREND produce superior results based on vendor recommendations, as well as AmanaTool bits available in the USA from multiple sources.

Dust Extraction

SmartBench requires a dust extraction unit for superior dust removal. Many HEPA shop vacuums will automatically turn ON and OFF when SmartBench is operated. The SmartBench hose port fits a 1-3/8" (35mm) male OD flexible extraction hose.



Spindles

The most recent models of SmartBench incorporate a new Z-head design and the latest Yeti SC1 digital spindle, developed in partnership with Mafell AG, for increased performance, accuracy, digital control and reliability. The Precision model offers Digital speed control, Tool auto stop under excessive load, and an ER16 collet. The high end PrecisionPRO model adds dual Z-Head lead screws, Real time spindle load display, and a Laser X/Y projected datum location.

ADVANCED FEATURES OF THE YETI SC1 SPINDLE:

- Digital speed control
- Spindle feedback giving auto tool stop on spindle overload
- ER16 precision collet system
- Single piece balanced spindle and armature giving best-in-class concentricity of 0.01mm
- Quiet running (71db) makes it truly user-friendly
- 7% Increase in output power
- Visual status light
- Spindle lock for easy and quick tool changes

QUESTIONS? CALL TODAY, TOLL-FREE 1-800-869-4169



Our next generation Yeti spindle and ZHead V2 takes SmartBench to the next level



- Job pause on spindle overload*
- New 1000W Yeti High Performance spindle*
- Digital speed control*
- Twin Lead screw to improve Z Axis rigidity*
- Real time spindle overload display*
- Ready to accept our upcoming shop dust shoe for larger volume extraction systems

All SmartBench versions come with the following great features:




Transport or packaway
Packaway and claim your valuable floor space when not in use. Three minutes is all it takes to get cutting



Accurate & repeatable
Intelligent software works with precision components to reliably deliver accurate finished parts



Control in your hands
Control in your hands with large 7" (175mm) touch screen console



3 axis CNC routing
With x, y and z axis control, bring your ideas to life with 3D routing



Multiple materials
Process a wide range of materials, from timber based to composites to non ferrous metals



Easy to use
Fast accurate setting, in-built dust extraction for a clean work environment

Which SmartBench is for you?

	Standard	Precision	PrecisionPro
• ZHead V2	✓	✓	✓
• Dual lead screw to improve rigidity			✓
• AMB Spindle	✓		
• Yeti SC1 Spindle		✓	✓
• Manual speed control	✓		
• Digital speed control		✓	✓
• OZ collet	✓		
• ER16 collet		✓	✓
• Auto tool stop if spindle under too much load		✓	✓
• Real time spindle load display			✓
• Laser X/Y Datum setting system			✓

*Model Dependant

TIMBERWOLF TOOLS

2 Wilderness Drive
P.O. Box 25
Newry, Maine 04261

DISTRIBUTION CENTER:

3927 N Central Park Ave
P.O. Box 18144
Chicago, IL 60618

CALL 800-869-4169

if you would like to make an
appointment to visit us in Chicago.

VISIT WWW.TIMBERWOLFTOOLS.COM
to see videos of these tools in action.

