

Finishing Sander Competition

WIN

maktec
by Makita

WIN



WIN

Stand a chance to win the new Maktec Finishing Sander with a value of R495.00 in our Maktec MaktimesSA competition. Competition ends 7 September 2007



Specifications

Continuous Rating Input	180W
Orbits per minute	14,000 opm
Pad Size	112x102mm
Pad Fastening System	Clamper
Net Weight	0.9kg
Power Supply Cord	2.0m

MT920 Finishing Sander

The MT920 is an extremely versatile, compact and lightweight sander, with a small, but powerful motor. The ergonomically contoured tool head makes for easy one-hand operation. Paper installation is quick and easy and the rigid aluminium foot is protected from dust by a sponge sleeve, thereby ensuring longer tool life.



Question: At how many orbits per minute does the MT920 operate?

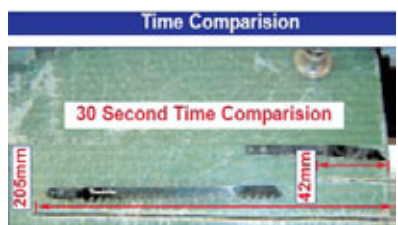
Email: Please email your answer to august@rutherford.co.za

The Ultimate Jig Saw Blade


For Hard Materials

The secret to this blade is the Tungsten Carbide Teeth, which are positioned at the perfect angle. The blade comes in 2 lengths, 75mm and 105mm working length. This gives you more than enough cutting capacity for any job you throw at it. The blade has 6 teeth per inch. There is a huge market where people need to cut **Fibreglass**, **Perspex** and even **Cement** based products for example roof tiles. Makita realised that this market is increasing and developed and introduced two new jigsaw blades to their current range. Various tests were done with these blades and the results were amazing. In the first test a large piece of fibreglass was made especially for this task, measuring in at 500mm wide and 54mm thick, reinforced with 18mm marine quality ply wood. This was the exact requirements of a local boat builder in Dubai. The same blade that this builder had been using was put up against the new blade. A 15cm cut was made with a Makita No. 3 blade (designed for wood) and as a result the teeth had worn off the blade and the marine ply wood was starting to smoke. Then the new blade was used and after 5 metres of cutting it was still cutting well. The only visible wear was that the paint had come off the blade. A second, time test was done which saw two different blades used and the results showed the new blade to cut 205mm in 30 seconds compared to a cut of 42mm in 30 seconds of the old blade. Not only was this almost 5 times faster, but the amount of heat generated was far less. After 5 metres of cutting, the test was done again and showed that the P-38766 could still cut 205mm in 30 seconds indicating a long blade life.

Part No.	Part No.
P-38766	P-38772
Working Length 75mm	Working Length 105mm
3 Pcs. Packed	
Price R367 Incl. VAT	Price R476 Incl. VAT



BJV180ZK Cordless Jig Saw



Lock-off button
Prevents accidental starting

Ergonomically rubberized handle
Provides comfortable gripping and more control, while minimizing hand fatigue

Large variable speed trigger switch
Easy to operate with 2-fingers, even with gloved hand

Extreme battery stamina
High power density allows compact and lightweight tool design without power reduction. Can be charged at any time because Li-ion battery is free from memory effect.

Powerful DC motor
Long life with replaceable carbon brushes

Sawdust blowing feature
For cleaning line of cut

3 orbital settings and straight cut

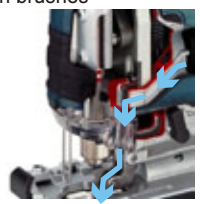



LED job light
Excellent efficiency in dimly lit areas

High dust-proof construction
Rubber dust seal at rod and retainer shuts out the dust and protects the machine from damage

18V 3.0Ah LITHIUM-ION

Cover plate
Protects workpiece from scratches

Toolless blade change (push-in lock system)
Enables extremely fast blade changes

MAKITA ADVANTAGE

- Compact and lightweight design.
- Same great mechanism as used for model 4340FCT offering low vibration, low noise level and blower function.

SPECIFICATIONS:

Capacities	
In wood at 90°	135mm when cutting with optional blade B-16L
In steel at 90°	10mm
Length of stroke	26mm
Strokes per minute	0 - 2,600 spm
Overall dimensions (LxWxH)	257 x 73 x 208mm
Net weight	2.8kg
Voltage	18V

FEATURES:
Variable speed, electric brake, dust collection, orbital cutting, bayonet fitting blade, built-in job light & carry case.

STANDARD EQUIPMENT:
Jig saw blade set, cover plate, anti-splintering device & hex wrench

OPTIONAL ACCESSORIES:

Description	Part No.
Makita B1830 3.0AH Lithium Ion Battery	194204-5
Makita DC18SC 3.0Ah fast charger	194218-4
Makita DC18RA 3.0Ah 22 minute fast charger	194337-6
B-16L Bayonet fitting blade	792726-5



Best on Test **BJV180ZK Cordless Jig Saw**

Recently, several different cordless jigsaws were tested against each other to distinguish the best all round machine and whether cordless can compete with mains-powered. The jigsaws taking part in the test were from different top manufacturers. The test was conducted by professionals from the well known British magazine, "The Woodworker". As battery technology has progressed and cells have become smaller, lighter and more powerful, some cordless jigsaws are now comparable in performance to their mains counterparts. When choosing a cordless jigsaw, you can now expect to find very similar features to those on a mains-powered machine.

Features to look for:

The saws need to have powerful motors and good blade support. Variable speed and adjustable pendulum action are also a must. Variable speed means the stroke rate can be reduced - particularly useful when cutting hard materials such as metal, which can overheat the blade. The stroke rate should also be reduced when making intricate cuts, to allow a slower feed speed without risking burning the workpiece. The pendulum action gives the blade an orbital motion that greatly increases the cutting speed, though often at the expense of a fine finish. For intricate cuts, it should be set to zero. The sole plate should be adjustable and should tilt to 45° on either side. On many machines you need to use a screwdriver or a hex key to do this. Some machines, however, have a locking lever for ease of use. Dust extraction is another important consideration.

The **Makita BJV180ZK** was the most expensive jigsaw in the group, but it does incorporate all the latest technology. It's powered by a compact lithium ion battery with the highest output of all machines that took part in the test. Being Li-ion, the battery can be topped up at any time with no adverse effects, and a sophisticated charger with integrated cooling system is supplied. The machine itself is strikingly styled with extensive rubber inserts and a large two-finger trigger. Like the others it has a tool-less blade changing system. An unusual feature is an integrated headlight that shines directly down at the cutting point. It has a blower that keeps the cutting line clear and is supplied with a tiny dust extraction spout. It has a solid alloy baseplate with a steel insert and this is adjusted with the supplied hex key. According to the professional testers, the Makita was a serious performer, and powered through timber at a considerable speed. The pendulum action was particularly good, and the headlight was considered a real bonus. The whole machine felt smooth and comfortable and was a real pleasure to use.



The Verdict

A battery powered jigsaw is an enormously versatile machine, and several of the tested cordless machines really were as good as their mains-powered equivalents. The best of the bunch was chosen to be the Makita. Some of its winning features included its power, good balance, eye catching and robust design and its faultless performance.

Men And Their Tools

“Makita is lekker”

In our previous edition we introduced you to the steel frame housing project in Blackheath, Johannesburg. The team working on the project made use of **Makita Power Tools** to erect one of the first steel frame houses in South Africa. In this edition we discuss how they favoured the Makita tools performance. Pictured to the right, are the two men responsible for the building and managing of the project. Daan Dyzel (left) and Johan Venter (right) have their own company called Steel Frame Projects and specialize in this field. According to these professional tradesmen, the power tool of choice on the site was the **4157KB Diamond Cutter**, (pictured with them). The 4157KB is a 1,400watt, 180mm diameter, cutter that will cut 57mm deep and has an integrated dust collector that virtually eliminates dust exhaust from the diamond blade making the machine ideal for all internal work. Optimum for cutting bricks and refractory fiber-cement boards, it bevel cuts from 0-45° and is capable of cutting five stacked side boards in a single pass.



Johan Venter said that he found the cordless Makita tools to be extremely good onsite, although he preferred the Lithium-Ion over the Ni-cd due to the fact that when it came to charging the Ni-cd batteries, the process was too time consuming (**6337DWAE Cordless Driver Drill** seen in picture below). With Lithium-Ion, there was an optimum charging system that charged the battery in just 22 minutes. Another advantage is that the battery itself has a 280% life time work volume in comparison with Makita Ni-cd 2.0Ah batteries. For these reasons and more they enjoyed the Lithium-ion models, **BDF451ZK Cordless Driver Drill** and the **BTD140ZK Cordless Impact Driver**. Other tools also using these batteries onsite were the **BTW251ZK Cordless Impact Wrench** and the **BSS610ZK Cordless Circular Saw** which has the distinct advantage over its mains powered counterpart in that it can be taken anywhere and be used at difficult angles and situations where extension cords would be difficult to accommodate.



Pictured above is the **9554NB Angle Grinder** which was another favourite of the tradesmen mainly because of the fact that it is the lightest model in its class at only 1.4kg, and has a small circumference body grip which makes it very easy to use. Other Makita tools that were used included the **3612C Electronic Router** which has electronic constant speed control for constant bit speed. The **LS1214L Double Slide Compound Mitre Saw** with a 305mm blade diameter was used many times on the project mainly because of its outstanding features including a laser marker which allows easy and accurate alignment with ink line even in bevel cutting. Below you can see the house approaching completion, which took a total of about three months to complete due to the fact that they had to wait for various materials from different suppliers for long periods of time. The time spent onsite was enjoyed by the tradesmen and a common phrase that was heard on a daily basis was, “Makita is lekker”.



Makita Motors Ahead

Gauteng

On the 14th of July 2007, the Ice-Block, all boats race, was held at the Emerald Casino Resort at Vanderbijlpark on the Vaal River. The Makita sponsored boat took part in the event and raced under the 200 - 225HP 3.0Lt Class. The boat, driven by Ernest Tope, raced to the front in this class and maintained its lead until the end, taking the victory. The overall classification saw the boat come in second, just a few metres behind the winner as you can see in the picture below. The day was enjoyed by all and Makita invited many people to attend and they were treated to food, drink and entertaining company at the venue. Makita is involved in sponsoring racing events of all forms national and internationally and believes it is a wonderful way to promote the name Makita.



Prize Winners

Cape Town

Pictured to the right is the presentation to the winner of the best exhibit at the annual congress of the South African Wood Turners Association, which was held for the second year running in Cape Town. Johan Wessels (left) was presented with a Makita DA3010F angle drill by Bert Parker (right) of the WCWTA. This year it was held at the Jan van Riebeeck High School, and was attended by delegates from around the country, and overseas visitors. Demonstrations were done by various experts. The Makita angle drill is highly regarded by wood turners for sanding internal surfaces of bowls etc. The physical dimension and speed of this tool make it the ideal tool for this application, when using small spindle mounted sanding and buffing tools.



SPECIFICATIONS

Drilling capacity	10mm
Steel	25mm
Wood	450W
Continuous rating input	0 - 2,400r/min
No load speed	270mm
Overall length	1.4kg
Net weight	2.5m
Power supply cord	

Editors Notes

Included in this edition of our MaktimesSA you will find the Maktec competition with the new MT920 finishing sander as a prize for the lucky winner. The month of August also sees the launch of the 12th Makita Valuepac which includes great new value added items. The Valuepac will run until 30 November 2007 while stock lasts and all these specials can be found on the Makita website at www.makita.co.za.

Best Regards
Makita SA Marketing Department

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