

Why Carry 4 Tools?

NEW LXT Tool
LITHIUM-ION

The World's First 4 Mode Combi

Makita's BTP140Z is the world's first Cordless Four-Mode-Drill (2 speed), Screwdriver, Impact Drill and Impact Driver. This is a truly versatile quad function tool that has been equipped with Lithium-ion technology to feed the lightweight, compact but powerful four-pole motor. Carrying around four tools is impractical and you can guarantee the right one is not nearby when you need it.

The BTP140Z eliminates the need to take four tools while Lithium-ion provides the power and longevity that the professional needs with this versatile product. Drill, impact, hammer and drive with the Makita quality you know and need as a professional. *Two heads may be better than one, but one tool is better than four!* The latest 4-function combi driver has a two speed drilling mode, 0-700rpm and 0-2,300rpm. With 140Nm of torque available in impact driver mode from the 18V battery these tools will drill 10mm holes in steel and 8mm in masonry. In screwdriver mode the level of power to be used can be selected by the operator from the 16 torque settings adjustable by the finger-tip control ring at the front of the motor body.

In full impact mode the benefit of these machines is that the drive bit is forced into the screw head to avoid stripping and damaging the fixing. This enables the impact driver to install extreme fixing bolts with ease. Up to 3,200 bpm is available for impact driving.

In impact drilling mode 0-27,600bpm can be achieved which enables effortless labour on masonry and masonry derived products.

The new Makita BTP140Z 18V Li-Ion 4-mode tool is the most versatile drill / fastener available.



Complete with Toolbag



Makita has designed the 4-Mode Combi paying close attention to ergonomics. This effort has created a unit that will fit well to the shape of the user's hand providing comfort and enabling the operator to firmly grip the tool so it can function to the best of its capability whilst minimising hand stress.

Specifications

Capacities	
Steel	10mm
Wood	21mm
Masonry	8mm
No load speed	
Impact-driver mode	0-2,300r/min
Drill mode (Hi-Lo)	0-2,300 / 0-700r/min
Screwdriver mode	0-2,300r/min
Impacts per min	
Impact-driver mode	0-3,200
Percussion-drill mode	0-27,600
Maximum fastening torque	
Impact-driver mode	140Nm
Drill mode	10Nm
Dimensions (LxWxH)	186x79x246mm
Net weight	1.8kg
Voltage	18V

Wall Chasing - Ins and Outs



Diamond Wall Chasing is the process of forming a neat channel in masonry or concrete for the purpose of electrical conduit installation or plumbing applications.

The Makita SG1250 Wall Chaser uses diamond cutting technology to produce a uniform parallel channel from 0 to 30mm deep and from 6 to 30mm wide. The first step in the actual process is to change the settings on the wall chaser to produce a cut of your choice. The depth is changed via a plunge setting adjustment on the machine.

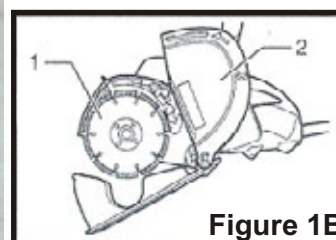
The width of the grooving in the workpiece can be adjusted by changing the number of space rings (See Table 1A and Figure 1B). The next step is to mark the area you want to cut with chalk. Then, before the cut is done, attach the machine to the dust collector (the Makita M440 in this instance) and make certain that the M440 is plugged in and switched on. This is to be sure that the machine switches on automatically when the SG1250 is in operation. This method ensures that 96% of the dust is removed during the cut resulting in longer tool life, better quality of work and safe working conditions.

Groove width: 30 mm	Groove width: 27 mm	Groove width: 24 mm

Table 1A

The table to the left shows how to adjust the groove width:

- 1) Lock Nut
- 2) Diamond Wheel
- 3) Space Ring 6 (6mm thick)
- 4) Space Ring 3 (3mm thick)
- 5) Diamond Wheel



1. Diamond wheel
2. Cover

Figure 1B

Once you have determined the distance of the two blades according to Table 1A then comes time to install the diamond wheel. To do this, mount it carefully onto the spindle, making sure the direction of the arrow on the surface of the diamond wheel matches the direction of the arrow on the tool. Install space ring and lock nut.

Tighten the lock nut securely clockwise with the lock nut wrench while pushing down the shaft lock.

Return the cover and the base to the original position and tighten the bolt to secure them. The cut is ready to be made.

Plunge the machine fully into the wall. Hold the machine in its full cut position and slowly cut down towards the floor. Once you have reached the bottom of your cut, release the machine from its cut and switch it off. Wait for the machine to come to a complete stop before resting the machine safely on the floor. Once the cut has been done, then it is time for the operator to channel out the chase with a light chipper such as the Makita HM0860C as pictured in the image above.

BENEFITS:

- Consistent cutting depth ensures electrical regulations are met for conduit depth (30mm)
- Electrical installations more efficient due to the precision of the channel and depth
- Dust Extraction ensures work can be carried out in close proximity to others reducing health & safety risks.



NEW HR5211C Rotary Hammer

Makita's Anti Vibration Technology (AVT) is the answer to power tool vibrations. The new Makita HR5211C AVT SDS max rotary hammer is Best-in-Class with more impact power and less vibration than any other power tool in the category.

Powered by a 1500watt motor and weighing 11.6kgs, the HR5211C AVT has an ultra low vibration rating of just 12.5m/s² in drilling mode and an extremely low 11m/s² in hammer mode with the D-side handle in use. Even when the HSE advisory factor of 1.5m/s² is added to the hammer rating, this new Makita is firmly ahead of the competition.

The Makita AVT system of active dynamic vibration dampers has proved the most effective method of protecting operators from HAV risks. Since the introduction of the initial AVT machines range customers, especially those with extensive hire fleets of heavy-duty tools, have switched to Makita products to provide the safest and best tools for their operators.

The new Makita HR5211C AVT 11.6kg rotary hammer provides all the power needed for the majority of drilling and demolition tasks to be found even on the most extensive construction project. With a no-load rotary speed of up to 260rpm, drilling capacity of 52mm into concrete and 19.7 joules of impact power with up to 2,150 blows per minute available, the Makita HR5211C is a powerful, tough and very safe machine.

The AVT vibration absorbers are in fact powered by the built in electro pneumatic system. The hammer piston is driven forward by the motor crank and conrod to hit the striking bolt, which in turn hits the chisel. The movement of the piston in the barrel displaces considerable amounts of air, as does the crankcase area. The clever Makita AVT system uses the air pressure generated to move a dynamic balancer in the opposite direction to negate the vibration transmission through the machine. The Makita HR5211C also features the 2-Mass rear handle system where the grip area is effectively disconnected from the main machine body by hinge and spring fixings thus isolating the operator from any HAV risk.

The Makita HR5211C AVT is an SDS Max rotary hammer with 18mm shank diameter to take the widest variety of drill bits and chisels. This machine has an impressive list of control features. A torque limiter is standard should the drill bit snag and the operator is also protected by the automatic soft-start system which makes the motor accelerate up to speed rather than risk a high torque kick of instant motor speed. There is a constant speed feature and a variable speed control facility and effectively three mode selection, rotary, rotary-hammer and hammer only. Another feature is the position selector to place the chisel in the ideal blade position when using the hammer mode.



Model: HR5211C

Ask the Expert



Robert Cameron-Smith has been working with Rutherford Makita for a total of 8 years. He left South Africa in 2004 to work for Makita directly in one of their International Subsidiaries, but returned 3 years later to join Rutherford Makita again. He has been trained in Makita Australia and in Makita England.

Ask the Expert - Please email a power tool question through to Robert who will answer your questions in the next edition of the MaktimesSA. The best question of the month, sent through via email, will win a Makita hamper consisting of a few items such as those pictured to the right.

Email: robert@rutherford.co.za Closing Dates: 23 May 2008

WIN

Makita Hamper

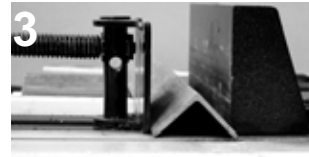
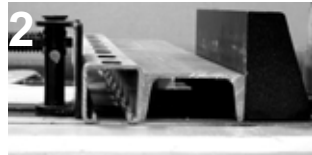


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Cutting Corner

Metal Cutting Process

With Makita LC1230



- 1) Square & Rectangle Tubing Use Block Spacer
- 2) Channels & UNISTRUT™ Use Block Spacer
- 3) Angle Use Block Spacer
- 4) Round Pipe See Chart For Block Spacer Requirements
- 5) Threaded Rod See Chart For Block Spacer Requirements

Block Spacer Reference Chart

With Makita LC1230 continued...

Applications	Square & Rectangle Tubing				Round Pipe		Square & Rectangle Tubing		Round Pipe			
	Up to 75 mm		Up to 100 mm		—		Up to 85 mm		—			
<p>Block Spacer Material</p> <p>(mm)</p>	A	B	A	B	A	B	A	B	A	B		
	90 Degree Cutting	25	125	25	75	25	90	45 Degree Cutting	25	60	25	65
		50	100	50	50	50	65		50	35	50	40
		75	75	75	25	75	40		75	10	75	15
		100	50	100	0	100	15		85	0	90	0
		125	25	—	—	115	0		—	—	—	—
		* 150	0	—	—	—	—		—	—	—	—

NEW - Maktec Compound Mitre Saw

The MT230 1500W model is economical but durable. It bevel cuts to 45° left and has positive stops at 9 settings, namely 15, 22.5, 31.6 and 45° right or left and 0° (90° cuts). This model can be connected to a Makita vacuum cleaner, adding to productivity. The added tip-resistance with the stay plate on the rear of the base increases the stability of the tool. It has a no load speed of 4,200r/min, weighs 14.7kg and has a 2.5m power supply cord.



Benoni Sand's Display Johannesburg



Benoni Sand & Buildware are due to open their new premises to the public very soon and the new shop will display a Makita Lithium-Ion stand which will enable the customer to get a look and feel of this range and let them have a chance to test them out first hand, if there is a salesman around to supervise, of course.

The image shows the LXT stand with Donovan Van Wyk on the left (Makita Sales Rep) and Ray on the right who is a salesman for the power tool section at Benoni Sand & Buildware. The stand contains plenty of information for the consumer, including posters and brochures which will give you all the information you need on the product.

Please visit www.makita.co.za to download the current LXT Specials PDF which is valid until 25 April 2008 or while stocks last.

Industrial Exhibition Eastern Cape

The Eastern Cape Industrial Technology Exhibition was held recently from 20-22 February 2008. This exhibition is held every second year, which Makita regularly attend. This year Makita exhibited and promoted their products with Strand Hardware, of Port Elizabeth. Products that were highlighted were the new Lithium Ion range, TW1000 and 6906 impact wrenches and the MM32 magnetic base drill press amongst others. Good branding exposure was once again achieved. The photo on the right shows part of the Makita exhibit. Eddie Van Wyk on the left (Makita Sales Rep) and Neil Black (Makita Cape Town Branch Manager) on the right were kept busy throughout the exhibition.



Editors Notes

In the previous edition of the MakTimesSA we showed an article on the new AF505 Pneumatic Brad Nailer. We would like to stress that this Makita Brad Nailer is not a staple gun and cannot be used as one.

The Makita Valuepac 13 is now available and all these specials and more can be downloaded from the Makita website, www.makita.co.za.

Best Regards

Makita SA Marketing Department

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