

Makita Drills Built Tough **Pretoria**

Home Gas CC is a company owned by Wille Viljoen which has a principle business of certified installations of gas stoves, grillers, braaiers, fireplaces, gas geysers, extractors, electrical stove fitments and yearly maintenance for established clients. Waterproofing is part of Home Gas, which is also a small company, where the best quality of workmanship is delivered regarding waterproofing maintenance on roofs. The company Home Gas has been operating for 5 ½ years and resides in Pretoria, Lyttleton. Wille owns a Makita HP1620 Impact Drill for all his gas installations, but it is also used on



roofs from time to time. This same drill was in operation on a maintenance project, a year ago, on top of a very slippery roof, four stories high. One of the processes of waterproofing a roof, is to drill the zinc corrugated iron and rivet the seams together. Depending on the size of a roof, there can be between 500 and 700 rivets.

During operation, Willie, stopped drilling and put the drill down for a second. The HP1620 started sliding on the slippery roof. As soon as Willie spotted the drill sliding, he quickly grabbed the extension which was in close proximity, but unfortunately, the drill unplugged from the extension and fell from the four story high building, hitting the rock hard ground shortly after. Willie made his way down to inspect the drill, consoling himself to the fact that the drill was most likely in a hundred pieces. To his amazement, the drill was in one piece, looking ready for action as per normal. The HP1620 appeared to have no damage to the outside. He thought that if no outer damage was visible, he would continue working with the drill and see what would happen. Surprisingly enough, the drill carried on doing its normal work, but the noise level had significantly increased. Willie

stripped the tool to find that the casing that holds the bearing in place, was broken at the back. Nonetheless, the drill was still used on projects, for over the course of a year, working very hard and is still used today, but at this stage ceases after a short period of use. Willie has, in the interim, bought for himself the HP1630, basically the same drill as the HP1620, but with a higher powered motor. He says that the new drill is perfect for his business which involves demanding projects

and consists of drilling in tight small areas, where the compact nature of the HP1630 is enjoyed. Willie has tried other competing brands, but favors Makita and has settled on using their products for his business. He says Makita tools are extremely reliable and durable. According to Willie, he reckons that on some days his grinders have been used not only by himself, but also by three teams of two workers per grinder, taking turns to ensure maximum productivity. Willie says that he will recommend the Makita brand to any person needing industrial quality power tools. This story proves that **MAKITA IS BUILT TOUGH!**



www.homegas.co.za



The image above is displaying Willie holding the HP1620 Impact Drill after the fall. As you can see, the drop cracked the rear of the casing. The image on the left shows the Makita tools owned by Willie, including drills, angle grinders, jig saws and chippers. The image on the right shows various projects undertaken by Home Gas, including a complete kitchen, installed using Makita Tools.



HP1620 Impact Drill

Makita Drills referred to on page 1.

HP1630 Impact Drill

650W

Specifications

Drilling capacities	
Concrete	16mm
Steel	13mm
Wood	30mm
No load speed	0 - 2,800r/min
Blows per minute	0 - 44,800
Net weight	1.7kg
Power supply cord	2m

Double Insulation, Variable Speed, Reversing



710W

Specifications

Drilling capacities	
Concrete	16mm
Steel	13mm
Wood	30mm
No load speed	0 - 3,200r/min
Blows per minute	0 - 48,000
Net weight	1.9kg
Power supply cord	2m

Double Insulation, Variable Speed, Reversing



New Products

Makita adds more performance to woodworking range

Makita has introduced two new power tools for woodworkers with improved specification and performance: the BO3710 finishing sander and the RP0900 plunge router. The latest addition to the router range, the compact Makita RP0900 6.35mm plunge router, has increased power to a 900W motor which powers the spindle up to 27,000r/min. An improved cooling system has been designed to take account of this increased performance and to maintain reliability. The RP0900 has a maximum plunge depth of 35mm and the easy-to-use depth lock is comfortably located in one of the ergonomic handgrips.

The new 1/3 sheet orbital finishing sander has power increased to 190W and as a result the maximum speed is increased to 11,000 orbits per minute. The abrasive fixing is by spring loaded clamp with a pad size of 92mm x 185mm. The Makita BO3710 sander has a dust box or can be connected to a dust extraction unit.



Rotary Hammers

HR2475 Rotary Hammer

24mm
780W

(D-Handle)



3 Operation Modes:
Hammering, hammering with rotation and rotation only.

- One-touch sliding chuck allows for quick bit changes.
- Built-in Torque Limiter ensures stable torque control.
- "No Hammering When Idling" function ensures extra-low vibration under no load.
- Extended service life of carbon brushes.
- Recessed Lock-on button for continuous use.
- 40 different bit angle settings for increased convenience.

HR4002 Rotary Hammer 40mm 1,050W



2 Mode Change Lever

- Hammering with Rotation
- Hammering
- Chisel locking at 12 different positions

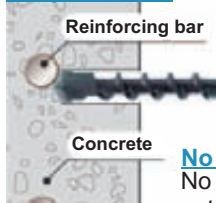
Rubberized Grip

Provides more comfort and control while minimizing hand fatigue and pain.

Auto Cut-Out Carbon Brush

When Carbon Brush wears out, it will automatically stop the motor. It protects commutator and indicates time for maintenance.

Torque Limiter

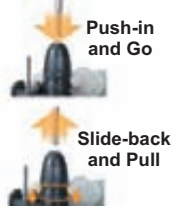


When drill bit hits against reinforcements, Torque Limiter operates to stop the rotation of drill bit, ensuring safety in your work.

No Hammering when idling

No Hammering while idling because air in the cylinder is not compressed unless tool is pressed against ground.

Slide Chuck



Rip Fence Mirror

Woodworking Corner



How many times have you pushed a wide board through your table saw and wondered if it was really tight up against the rip fence? They often look tight, but if the light hits a board just right, there's a slight shadow right between the board and the fence. Sometimes it is this shadow that makes us think if the wood is tight up against the fence or is there a small gap?

Well, here's a table saw tip we are sure will help you in this situation. Installing a strip of mirror on the rip fence.

Glass is a lot stronger than you might think. If it has solid backing, and if you don't hit it with a hammer, it's not likely to break. And a board—even a hardwood board—is a lot softer than a hammer.



- With a mirror on the rip fence, you can SEE the **edge grain** as it nears the fence.
- With a mirror on the rip fence, you can SEE the **top edge of the board** as it nears the fence.



With a mirror on the rip fence, you can actually see that the board is tight against the glass. The extra light reflected by the mirror helps old eyes a lot.



Common Myths about Wood

Wood is Stable at Below Freezing Temperatures.

The moisture in wood is chemically bound in the walls of the wood cells and cannot freeze, and expansion and contraction continues at below freezing temperatures. Wood does acclimate more slowly at lower temperatures.

Wood Will Expand on Warmer Days and Contract on Colder Days.

For all practical purposes, thermal expansion and contraction of wood is not an issue. That said, warmer temperatures speed the exchange of moisture within the wood. Moisture exchange will happen more rapidly at warmer temperatures, but there is no thermal movement of wood worth measuring.

It Doesn't Matter if Lumber is Kiln Dried.

Kiln dried hardwood lumber typically leaves the kiln near 6% MC (Moisture Content). Softwoods at 10-12%. But all kiln dried material will acclimate to the

surrounding EMC (Equilibrium Moisture Content) levels. The significant advantages of kiln dried material is that it is typically heated to at least 130 degrees in the kiln, which will stop any insect activity, and also "set" the sap in resinous softwoods (sap in resinous air dried material can bleed from the board after it's installed, especially when interior temperatures rise in the summer).

They Don't Make Wood Like They Used To.

It's true that most of the old growth timber is gone, but properly dried vertical grain material has highly desirable movement characteristics. If you're seeking material that will move the least, choose one of the more stable species, and specify vertical grain (and be sure to check your wallet before ordering). But most importantly, owning and using a moisture meter and knowing the in-use EMCs is an inexpensive way for carpenters to predict and avoid wood movement problems that could require costly repairs.



* The moisture content of wood is directly related to the humidity and temperature of the surrounding air. The equilibrium moisture content (EMC) occurs when the wood has reached a water content equilibrium with its environment and is no longer gaining or losing moisture. *

Mike Lessick Makita Team

Makita SA, in celebration of the global football event in South Africa, have designed their own football shirt. The shirt consists of two colours. One being red, the colour that identifies the name Makita and the colour black which adds class to the shirt, as it does for the power tool range. Alternating stripes were chosen because, traditionally, it is one of the best representations of a football shirt design. The Makita Power Tools logo is on the right chest and on the left chest is the Maktec badge. The image on the right shows the staff of Mike Lessick, a Makita dealer in Kempton Park, Gauteng, wearing the Makita football shirt. They wear the shirt to work every Saturday and they are enjoying the football spirit that is alive in South Africa at the moment.



City Movers Football Club



BOB C IMPORT EXPORT AGENCIES, a Cape Town Makita dealer, have decided to sponsor a local football club in Du-Noon, Milnerton. In conjunction with Rutherford Makita Cape Town, they have given the soccer club Makita shirts to wear during their games and they have also screenprinted numbers on the back of the shirts. The club plays mostly on a social basis, but as we all know in football, social games can often become very fiery. They are called City Movers Football Club and are actually very dedicated to the game as they train twice a week and play their matches on the weekend. Their main aim is to build and develop the youth of the country. Mr Mqgalelo, the club secretary, thanked BOB C and Rutherford management for the sponsorship and he wished the companies all the best for the future.



Staff Fever

Rutherford Makita staff have all joined in the spirit of the soccer fever in South Africa by wearing the Makita football shirt every Friday. The image on the right shows some of the staff, at Cape Town branch, posing in their shirts.



Competition



WIN!!!

Stand a chance of winning
**ONE of ELEVEN
LIMITED EDITION
Makita Football Shirts,**
numbered 1 to 11
on the back of each shirt,
by answering the following
question:

**Q: What badge is on the left chest of the
Makita Football Shirt?**

Please email your answer to
competition@rutherford.co.za

Competition closes on the 1 July 2010

Editors Notes

The management and staff of Makita SA would like to wish Bafana Bafana all the best in the upcoming global football tournament in South Africa and hopes that the event is a great success.

Best Regards
Makita SA Marketing Department