

Corner Cabinet Made With Help From Maktec

The June edition of the Home Handyman gave away a Maktec MT920 finishing sander as a prize for a letter sent in by James van Heerden, a semi retired estate agent, who gave advice on how to clean Rhodesian teak floor blocks. James used the Maktec sander when working on another project to build a corner cabinet. He got the basic plan for this project from a very old Popular Mechanics book, but the plans were very sketchy and he had to improvise along the way. He used American Oak which was salvaged from a massive crate that was used to transport some sort of machine. The timber was very rough and came in sizes of about 152mm x 50mm. James doesn't have a band saw, so he had to use his electric hand saw and bench saw to cut and then his electric hand planer to



square the wood. A smoothing plane was then used to smooth up the surfaces. He combined the plans of two

corner cabinets. A full scale drawing was made of the back, the two small sides, the front and the top frame to get the dimensions right. James had to first make and assemble the two back sides with the top frame. To give this more stability, he then made and fitted the three shelves and the front frame for the two doors. The two smaller sides, 965mm x 101mm, were then added with recessed screws. At this stage he had to sand the carcass on the outside and inside and at first, a random orbital sander was used, which gave him a smoother surface to work with. However, James found that the sander could not get right into the corners on the inside of the shelves and was not smooth for varnishing. This was where the Maktec MT920 sander came in very handy. The square sanding surface firstly enabled James to sand right up into the corners and also gave him a very smooth finish, starting with a coarser paper and finishing with the very fine grade. This allowed for varnishing without any further sanding after everything was assembled. The two doors are a simple frame with tongue and groove, with a 1/4" plywood panel fitted into a rebate. The door fitment is a rebate fitting. For the drawer, an upper guide rail was installed, which was accommodated by a slot cut into the top of the back of the drawer.



New Maktec Sander

The Maktec MT922 has been developed as a 125mm random orbit sander featuring a compact housing head for easy gripping. It is one of the best woodworking tools any DIY expert or small business entrepreneur could have in his box of tools. The sander is ideal for stripping paint off furniture,

preparing new molding, or cleaning up between finish coats. Even metal and composite materials such as solid counter tops can be smoothed and cleaned.



Fast and Smooth sanding thanks to random-orbit action.



It uses a quick changing hook & loop abrasive disc. The pad control system maintains sanding pad at controlled speed upon start-up. A conveniently located ON / OFF switch for one hand operation, is also present.

Random Orbit Sander

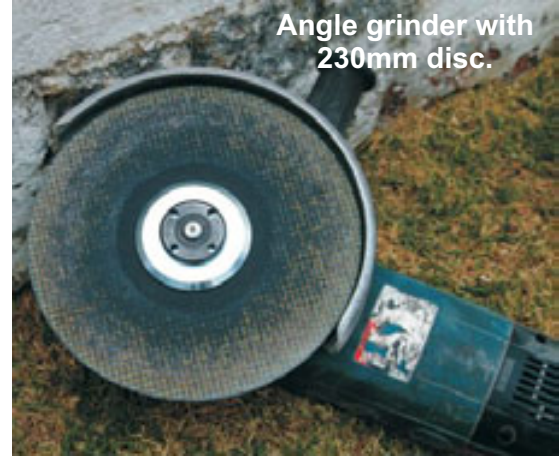
ARRIVING SOON!

With a continuous rating input of 240W, orbits per minute of 12,000 and increased durability of the bearing section (obtained by using larger sized ball bearings), makes the job easier and more pleasurable.

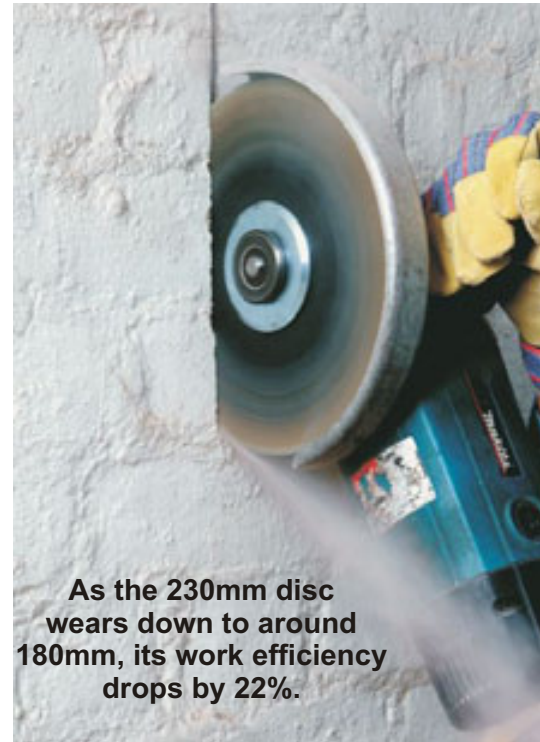


Cost Cutting Benefits of the Makita 180mm Angle Grinder

As you make a cut with a grinder, the abrasive disc is getting smaller, therefore reducing your depth of cut. A 230mm angle grinder's disc is designed to spin with a peripheral speed of 80 meters per second. As the disc gets smaller, the peripheral speed will reduce. When the 230mm disc wears down to approximately 180mm the peripheral speed will be approximately 61 meters per second or in other words it is a 22% drop in efficiency.



Angle grinder with 230mm disc.



As the 230mm disc wears down to around 180mm, its work efficiency drops by 22%.

This results in the operator exerting more pressure on the machine to do the job resulting in machine burn-out or even operator injury. To prevent this from happening it is important to have a 180mm grinder (GA7020) in your stock.

The Makita GA7020 180mm angle grinder has made a quiet but promising entry into the engineering grinding market in South Africa. The "seven inch" machine has been designed especially for the speed requirements of a 180mm grinding disc. A 230mm grinder has a spindle speed of around 6600r/min which with a 230mm grinding disc equates to 80 meters per second and on a 180mm grinder the spindle speed is 8500r/min which equates to 80 meters per second as well.

Therefore once the 230mm disc has significantly reduced in diameter it is better for the machine, quality of work and the safety of the operator to use the 180mm grinder for the remainder of the disc life as the disc will once again be working at its designed speed of around 80 meters per second.

But why the fuss?

In the long run, it will save one more time and money to buy two grinders, than continuously having to buy abrasives every time your 230mm disc has worn down.



Worn down 230mm disc now used with 180mm angle grinder.

The rules for the safe usage are:

- Always use the original size blade guard
- Don't use damaged discs.
- Don't use water spoiled discs.
- Use face-shields or goggles and gloves.
- Only grind with a grinding disc.
- Only cut with a cutting disc.

As shown on the table below when using a standard 230mm grinding disc, as the diameter of the disc wears down, the disc can be used by a smaller spec machine.

Model	New Disc Size mm	Machine Speed R/min	Actual Peripheral Speed m/sec	Minimum Worn Size mm	Actual Peripheral Speed m/sec
GA9020 / 30 / 40S	230	6600	79.89	180	62.845
GA9010C	230	6000	73.002	180	57.132
GA7020	180	8500	80.00	125	56.206
GA5010	125	11000	72.738	95	55.281



The worn down 230mm disc once again will work at its designated speed with the 180mm angle grinder.

New LXT Products

BUC122ZK

Cordless Chain Saw

This model has a powerful motor to increase cutting speed with a chain speed of 300m/min, cutting length of 115mm and chain pitch 1/4".



It has an ergonomic top handle which is convenient for pruning trees and is positioned 50mm closer to the chain blade than any other Makita model enabling more force to be applied to the chain blade and also allowing for a more compact design. A rubberized soft grip ensures a non skid operation.

BJS130ZK

Cordless Metal Shear

Compact and lightweight design for easy handling and high maneuverability. Ergonomically designed handle with rubberized soft grip. 360 degree swivel shear head for increased cutting convenience. Shear head for 16 gauge (1.6mm) cutting ability. No load speed of 2,800.



BDA350ZK

Cordless Angle Drill

High power-to-weight ratio in a compact design obtained by employing 4-pole motor and Li-ion battery.



Ergonomically designed rubberized soft grip provides comfortable grip and more control while minimizing hand fatigue and pain. Durable aluminum gear housing. Capacity in steel - 10mm and in wood - 25mm with a variable no load speed of 0 - 1,800r/min.

New Torque Testing Method

Makita is the first Power Tool Company to adopt a new PTI (Power Tool Institute) Torque procedure to measure torque in cordless drills, including driver-drills and hammer driver-drills in driver-drill mode. Torque is one of the best means to measure the performance of cordless professional drills. Since Makita introduced and commercialized the cordless market nearly 30 years ago, there has been no single standard for measuring torque in cordless drills, and manufacturers have published figures derived from a range of different testing methodologies. A single standard with a consistent methodology will produce more accurate measurements for comparison, and is a true win for dealers and end users of driver drills.



The Power Tool Institute has established itself as the pre-eminent organization for building global understanding of power tools and for maintaining high standards of safety in the industry. Its members represent market-leading brands in the areas of portable and stationary power tools. From table saws to portable drills, from shapers to sanders, the PTI members are committed to industry and to being the premier resource for power tool education.

Power Tool Repairs

Cape Town

Power Tool Repairs was started in 1977 by Joachim Fassman as a one man business repairing power tools. Mr Fassman built the business up and it became very popular with customers wanting good service and expertise. In 2000 Mr Fassman decided that he wanted to retire and would sell the business so that someone else could develop it further.

Kai Hallermann took ownership in December 2000 and has certainly added a new dimension to the company. Kai is ably assisted by his wife Joy, and together they make a formidable team. Their dedication and enthusiasm has seen Power Tool Repairs become a leading supplier and repairer of industrial tools. They believe customer service and satisfaction is of the utmost importance. This is achieved by having dedicated and committed employees who strive to enforce this ethos. Recent developments include "state of the art" workshop



KAI With Wife JOY



facilities and this has set the standard for any power tool workshop! Each of the six workstations is the same and fully equipped with the necessary tools and measuring equipment in order to have the repair completed correctly and timeously. Expertise, dedication, ongoing training, neatness and general layout are unsurpassed. The sales division has also become an integral part and here expertise and training also play a vital part in ably assisting customers and not merely "getting the sale".

All have attended the 3 day Makita Academy training course. There are also training evenings where new products are discussed and demonstrated. The sales force strives to supply the customer with the right tool for the job, taking valuable technical information from the workshop into account. Power Tool Repairs is setting the bench mark in the industrial power tool market. Their dedication in ably assisting the customer with the correct advise and product will surely lead them to be most successful in their future endeavors and Makita is proud to be associated with them!



Mike Lessick Mica

Makita Shop



Mike Lessick Mica, Gauteng, implemented the Makita Shop concept at their premises in November 2006. Whatever your project, Mike Lessick has what you need, from tools to materials, you only need to make one stop. Their well trained staff in each department will ensure that you leave with the right tool or product for the job the first time you visit.

The Makita shop has a prominent position in the store and although the picture shows the shop to be most compact,



once you step into the Makita area you will have no problem finding the tool you need, thanks to the great setup and information that Makita delivers combined with the instore help from the power tool staff. Mike and Dan of Mike Lessick Mica would like to invite you to come and check it out for yourself. Other products on offer in the Mica store include hand tools, paint, electrical appliances, sanitation, gardening equipment, building materials and security products.

Miss Makita 2009



Miss Makita
Casey Trailer



Señorita Makita
Magda Angel



Editors Notes

The Makita 40th Bonanza ValuePac is now available and you can view all the special prices on the Makita website, www.makita.co.za. A newsletter dedicated to accessories only is soon to be launched which will give you the latest offers and information from Makita. The newsletter will be called MakaccessoriesSA, and will be available to all Makita dealers.

Best Regards
Makita SA Marketing Department
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