

9903 Belt Sander

New Product

- Variable Speed (210 - 440m/min.) With Electronic Speed Control.
- Quietest sander in its class (85dB).
- Powerful 1,010W motor.
- Unique design allows flush sanding to the corner of the wall with nose and side of sander.
- Auto-tracking belt system tracks belt without adjustment.
- Dust bag for a cleaner work environment.
- Front grip design for comfortable operation.
- Sands wood or metal and removes paint and rust.
- Optional sanding shoe available for precise sanding depth control.
- Long 5.0m power cord for easy maneuverability.
- Double insulated.



Specifications

- Belt Size: 76x533mm
- Belt Speed: 210-440m/min
- Power Rating: 1,010W
- Overall Length: 296mm
- Net Weight: 4.3kg
- Power Supply Cord: 5.0m

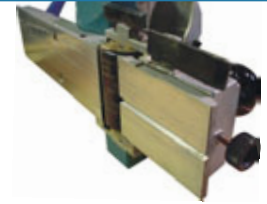
What should you do to work safely with belt sanders?

- Wear safety glasses or a face shield.
- Wear a dust respirator for dusty operations.
- Make sure the sander is switched "OFF" before connecting the power supply.
- Disconnect power supply before changing a sanding belt, making adjustments, or emptying dust collector.
- Inspect sanding belts before using them. Replace those belts worn or frayed.
- Install sanding belts that are the same widths as the pulley drum.
- Adjust sanding belt tension to keep the belt running true and at the same speed as pulley drum. Some belt sanders such as the Makita 9903 have an auto-tracking belt system that tracks belt without adjustment.
- Secure the sanding belt in the direction shown on the belt and the machine.
- Keep hands away from a sanding belt.
- Use two hands to operate sanders - one on a trigger switch and the other on a front handle knob.
- Keep all cords clear of sanding area during use.
- Clean dust from a motor and vents with a blower, such as the Makita UB1100, at regular intervals. An air compressor that is used too close to the belt sander to remove dust from the vents will cause damage to the tool.

What should you avoid while working with belt sanders?

- Do not use a sander without an exhaust system or a dust collector present that is in good working order. Empty the collector when 1/4 full. The dust created when sanding can be a fire and explosion hazard. Proper ventilation is essential.
- Do not exert excessive pressure on a moving sander. The weight of the sander supplies adequate pressure for the job.
- Do not work on unsecured stock unless it is heavy enough to stay in place. Clamp the stock into place or use a "stop block" to prevent movement.
- Do not overreach. Always keep proper footing and balance.
- Do not cover the air vents of the sander.

Tool Sharpening Tips



Sharpening with a belt sander.

Larger tools like axes, shovels and other gardening tools are easy to sharpen on a belt sander. To keep the belt sander stationary when you press the tool against the belt, clamp the sander in a vise or to worktable. Remove the dust bag. Check the angle of the cutting edge and hold the tool on the belt so it preserves this angle while you're sharpening. Make light side-to-side passes, pausing to check the edge every couple of passes, and be sure to hold the tool so the belt rotates away from the cutting edge. Battered cutting edges can be reshaped with a 60-grit sanding belt and finished up with a 100-grit belt. Remember to remove the imbedded sawdust from your belt with an abrasive cleaning stick or similar device before sharpening to prevent the heat build-up from setting the sawdust on fire.

Make-it-yourself Round Slipstone.

A piece of 600-grit silicon carbide, wet-dry sandpaper wrapped (or glued) around an ordinary wooden dowel makes an excellent slipstone for sharpening curved-edge tools.

Getting a grip on flat plane irons during sharpening.

Flattening the backsides of plane irons or jointer/planer blades can be difficult since they're seldom thick enough for you to get a good grip on them during sharpening. Try using a discarded speaker magnet (or "Rare Earth" magnet from an old computer hard drive). Either should give you enough of a grip to move the blade back and forth while flattening their backsides.

A flat, fast-cutting sharpening surface

Few surfaces are flatter than a sheet of glass. Cut two pieces of thick glass to about 22cm x 30cm. Use spray adhesive to attach a sheet of 150-grit aluminum oxide or silicon carbide sandpaper to one piece and a sheet of 320 grit to the other.

Using a wheeled honing guide, set to the proper angle, start with the 150-grit sheet and spray a fine mist of water onto the sandpaper for lubrication. Roll your edged tool back and forth to "grind" the edge to the proper angle very quickly...without fear of overheating or ruining the temper of the edge.

Inexpensive cabinet scraper edge burnisher

To achieve a correct, "hooked" edge on a cabinet scraper, it should be burnished prior to use. Most burnishers that are designed for this job are fairly expensive. However, ordinary kitchen knife sharpening steels will do just as good a job and can usually be bought "for a song" at flea markets and garage sales.

Cleaning sharpening oil stones.

Believe it or not, the oil stones you use to sharpen your tools can get clogged to the point where they won't work properly. To solve this problem, soak them in a container of paraffin ... or rub their surfaces firmly with your fingers.

When a wire wheel loses its cutting abilities

After a lot of use, a wire wheel can get dull and ineffective. The first and most obvious approach to getting more work out of it is to reverse it's direction of rotation. Usually, this will extend its life for a while. However, it will eventually become dull while running in this direction, as well. When this happens, reverse its rotation once again and run it against a coarse grit sharpening stone or grindstone to create sharp, new tips on the bristles.

Flattening Waterstones

Sharpening stones that are not flat are also not particularly useful. Waterstones, in particular must be flat to work properly. There are several ways to ensure this flatness. Here are two:

1: Rub the faces of two waterstones (of the same approximate grit) against one another each time you use one of them. When they're flat, you'll be able to "feel" the increased resistance.

2: Lay a piece of Silicon Carbide, wet/dry sandpaper (fine grit) on top of a piece of glass or laminate (countertop or similar) surface. Glass is ALWAYS flat and countertop surfaces are perfectly flat in most cases. Flatten your stone's surface by running it back and forth across this sandpaper.

Protect the temper of tools you're sharpening

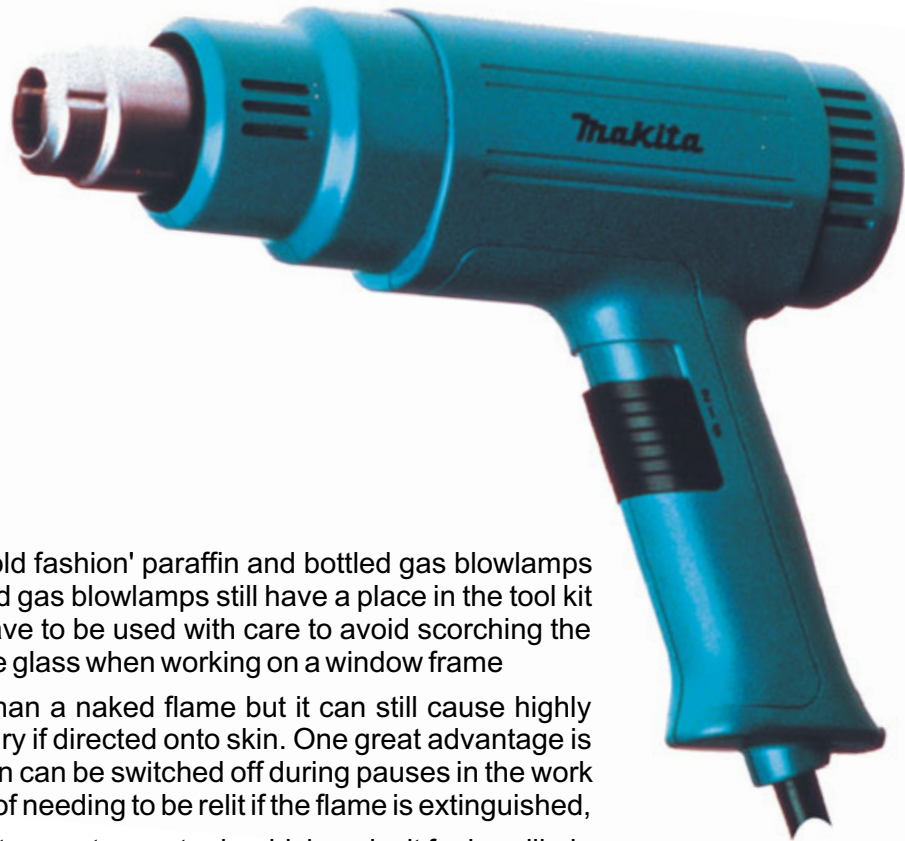
If you're planning to grind your edged tools using a belt sander, strip sander, disc sander or abrasive wheel, chill them first in a can of ice water to help protect the temper of the edge.

Im Back and Hotter than Ever

HG1100 Heat Gun

Strips paint and varnish, thaws frozen metal pipes, loosens tile and putty, remelts adhesives and more

- Variable temperature control (100°C - 1,100°F) for a wide variety of applications.
- 2-speed blower setting (8 or 14 cfm).
- Thermocouple control maintains precise temperature.
- Ceramic core protects the heating element for longer tool life.



Electric heat guns have now largely replaced the 'old fashion' paraffin and bottled gas blowlamps for stripping paint on timber. The paraffin and bottled gas blowlamps still have a place in the tool kit where electricity is not readily available but they have to be used with care to avoid scorching the wood, setting fire to the stripped paint or cracking the glass when working on a window frame

The hot air flow of a heat gun is less dangerous than a naked flame but it can still cause highly inflammable items to catch fire, crack glass and injury if directed onto skin. One great advantage is that the heat is almost instantaneous so the heat gun can be switched off during pauses in the work while the flame blowlamps have the inconvenience of needing to be relit if the flame is extinguished,

The electric heat guns now available are lightweight, easy-to-use tools which make it far less likely to scorch wood or crack glass when used correctly to strip paint.

How heat guns work

Heat guns look a lot like hair dryers - but, as many instructions thoughtfully point out, should never be used for drying hair! The method of operation of a hot air gun is similar to a hair dryer: a fan pulls air into the body of the tool and drives it across an electric heating element and out through a nozzle.

For stripping paint, the heated air is directed onto the painted surface, causing it to soften so that it can be easily stripped off, either by using a stripping knife or hook. For best results it is best to work up the surface with the heat gun above the stripping tool, softening the paint just before the stripping tool reaches it. The tool is used one-handed, with the other hand to hold the stripping tool.

Some heat guns can be used sitting on a bench so that two hands are free to use the hot air for other applications.

Heat Gun

HG1100



Specifications

Continuous Rating Input	- 2,000W
Air Temperature	- 100°C - 600°C
Air Volume	- Hi 500L/min - Lo 300L/min
Amps	- 8.5
Overall Length	- 254mm
Net Weight	- 0.6kg

Killarney hosts Makita

The photos to the right and below were taken on Saturday 4 November, at the Killarney Race Track, Cape Town, during the Wesbank National Race Meeting. This was the last National meeting to be held in C.T. for the year, and resulted in an almost record crowd attendance. Makita C.T., are the Series Sponsors, for the unique C.T. based Super Car Formula, called the Makita Super Cars. Details of these cars, specifications and the history of Makita involvement can be found in previous editions of the MakTimesSA or on the Makita website.

The technical back up crews of racing and rally teams throughout SA, make use of many varied Makita tools, one popular model being the Makita cordless impact wrench.



The attendance at race meetings provides the Makita Brand with very good exposure, as can be seen from the photos the Makita branded boma being visible to the majority of spectators. Days such as this, give the Makita Sales Team an ideal opportunity to socialise with customers. Makita branding is also very prominently displayed around the track and at the Super Car Pits.

This Makita branding programme, over the past eight years, is just one component of the Marketing "package" of activities that has contributed to Makita today, being the dominant top seller in the industrial power tool market.

Community Chest Twilight

Fun Run Cape Town

The Community Chest Twilight Team Run is one of Cape Town's most anticipated annual events as it brings with it an evening filled with fun, excitement and great entertainment. It is arranged by the Community Chest in the Western Cape and brings together people from all walks of life, all religions and all age groups doing something together for a worthy cause. All proceeds collected from the event are distributed to more than 520 social welfare and development agencies. The Fun Run took place on the 5th of December and included an "After Party" hosted by Good Hope FM DJs. Trophies that were won included the coveted Good Hope FM Trophy for the best dressed team and the Community Chest Floating Trophy for the corporate,



school or club entering the largest number of teams. There were prizes to the value of R6000 up for grabs and all participants who crossed the line received an ice cold Coca-Cola. This event has taken place for many years and runs through the centre of the city, from the gardens behind the Artscape theatre, up Long street, back down through the Gardens and down through the festive season lights of Adderley Street in Cape Town. The roads through the centre are closed for the evening. The **Makita Team** have always put a group together for this function. This year, twenty six were part of the team who came along to participate and have fun. In all, twenty thousand people supported the event this year and Rutherford / Makita were proud to be a part of it. The Makita Team can be seen in the photo above.

Makita Prize for Cosmo City

idea Johannesburg

The popular magazine "Construction World" recently held a competition for the Best Construction Project idea. There were many entries with many different and creative projects, but the winner of the prize was a Mr B. Mulherron, who won a **Makita** sponsored 8444DWAE Cordless Percussion Driver Drill. He is the Technical Manager for the "Cosmo City" project. The project involves a R1,5 billion integrated housing development north of Randburg and once completed, "Cosmo City" will have more than 15 000 housing units with various tenure options including low cost, medium density as well as bonded houses".

The construction of the first houses commenced in March this year, and all housing units are planned to be completed by the end of 2007. "Cosmo City" covers an area of about 1200 hectares, of which about 200 hectares will be for open spaces and conservation. A further 100 hectares have been set aside for commercial and industrial purposes and 15 will be used for schools, clinics and other social services. Commercial and industrial sites, churches and other sites will be sold on the open market.

The picture above shows Peter Schneider (left), Marketing Manager for Makita SA, handing over the Makita prize to Mr Mulherron (middle), with Alastair Currie, the editor for Construction World, on the right. Mr Mulherron is very happy with the cordless percussion driver drill which includes such features as 16 torque settings, Makita built all metal gears for maximum durability, 3-Speed design to produce 25% faster working speed with more efficiency in a wider range of applications, an exclusive refined rare earth magnet to produce maximum power and an ergonomic rubberized grip for comfort and control.



**8444DWAE
Cordless
Percussion
Driver Drill**

Specifications

Capacities	
Steel	13mm
Wood	65mm
Masonry	16mm
Blows per minute	3rd:0 - 25,500 2nd:0 - 9,000 1st:0 - 4,500
No load speed	3rd:0 - 1,700r/min 2nd:0 - 600r/min 1st:0 - 300r/min
Maximum Torque	Hard:80Nm Soft:40Nm
Overall length	259mm
Net weight	2.7kg
Voltage	18V
Includes Driver Drill, 2 x 2.0Ah NiCd Batteries & Charger.	



Editors Notes

We hope you enjoyed reading this month's MaktimesSA and we encourage readers to send photographs and details of the events that you feel would make interesting reading to marketing@rutherford.co.za.

The management and staff of Makita SA would like to thank all our partners for their valued support during 2006. Rutherford will close on 22 December 2006, and will reopen on 2 January 2007.

We wish all our readers a happy festive season and a prosperous and healthy 2007.

For those who are travelling over the festive season please drive safely.

Best Regards
Makita SA Marketing Department

To unsubscribe from this monthly newsletter click here>>