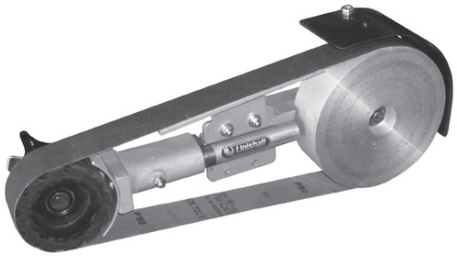
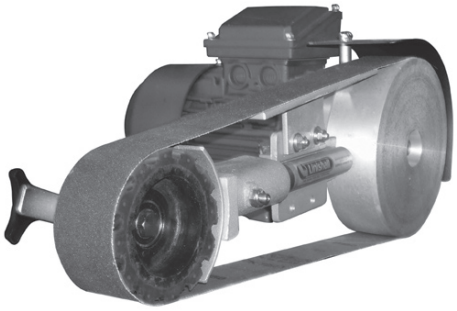
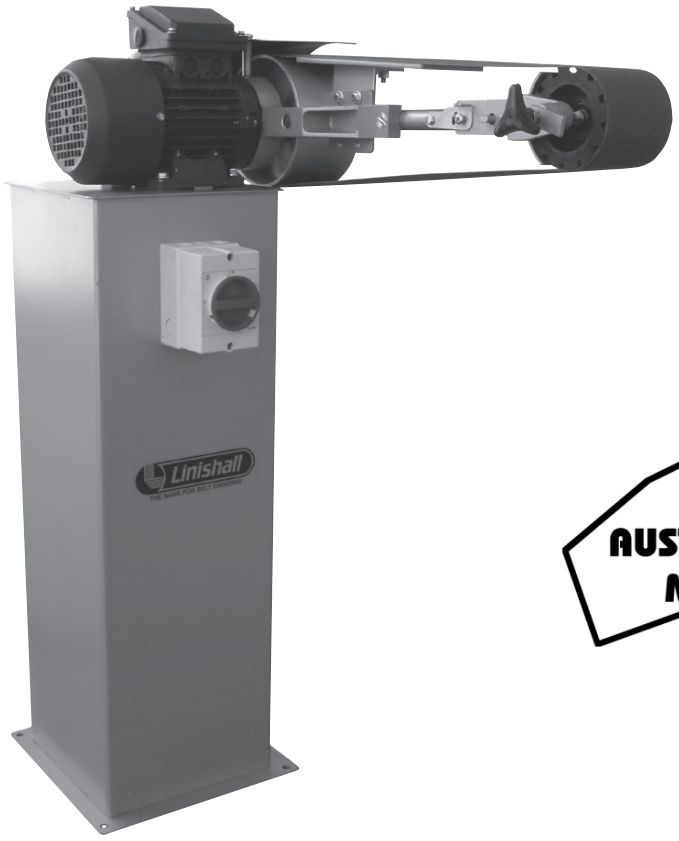
Belt Grinding Equipment

Linishall

THE NAME FOR BELT GRINDING







AUSTRALIAN MADE

Proudly Manufactured in Australia by

GARRICK HERBERT pty. ltd.

'LINISHALL' BELT GRINDERS
OPERATION INSTRUCTIONS

1) BELT TRACKING

IMPORTANT - It is recommended to test the tracking by rotating the belt by hand first. If power is applied when tracking is badly adjusted, either the belt or machine can be damaged if it runs "off" towards the motor/grinder or, more importantly, if the tracking is "out" the other way, the belt can fly off the machine causing a safety hazard.

To track the belt, release the Rubber Contact Wheel Spindle Locking Nut which will allow the Tracking Knob to be rotated. The Spindle is machined out of true (i.e. "bent") and rotation of this causes the Rubber Contact Wheel to move in a manner which achieves belt tracking. Rotating the Tracking Knob (slowly) will move the belt back and forth across the wheels. Find the desired position with the belt central on both wheels and re tighten the Spindle Locking Nut firmly.

2) PLATEN ADJUSTMENT

The Platen should be mounted on the upper position of the Mounting Bracket under the top side of the belt. It should be adjusted to be approx. 0.5 to 1mm under the belt and parallel to the belt so that it does not result in load or wear when not platen grinding.

3) NOTES

- The Rubber Contact Wheel is grooved to allow air flow under the belt resulting in cooler grinding.
- Ideal motor speeds are:- Steel grinding - 2880 rpm
  Wood sanding - 1440 rpm

4) SAFETY CONSIDERATIONS

- Always use approved safety spectacles when using this machine.
- The machine should never be operated without its guards.
- Use an apron or make sure you have no loose fitting clothing which could get entangled in the machine.
- Do not mount the machine in free access areas or walkways.
- Make sure the appropriate safety signs are displayed by the machine.
- Replace the belt when it shows signs of wear.
- Be sure the belt lap is pointing in the right direction.
- Never leave the machine running or with power on whilst not in use.

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5) Fit the Aluminium Drive Wheel.

i) To fit to Grinder

- Replace grinding wheel clamping washer on shaft to create a positive shoulder for the Aluminium Drive Wheel to clamp against.
- Fit the Drive Wheel using reducer bushes to suit grinder shaft diameter if necessary.
- Fit a washer and the original grinder nut to the shaft and tighten securely.

ii) To fit to Motor

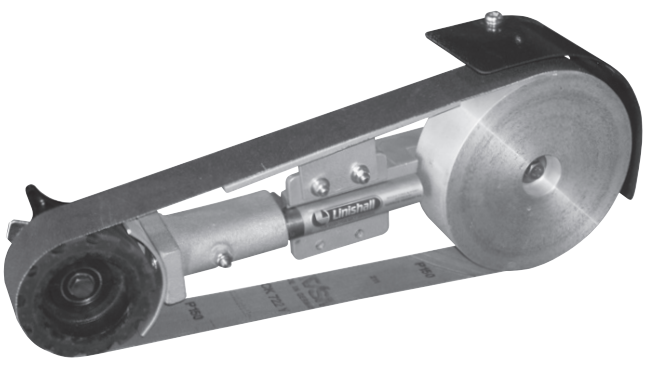
- When the unit is factory fitted to an electric motor we utilise a Stub Shaft to fit the Drive Wheel to the motor shaft. The bore of the Drive Wheel is 1" (25.4mm) and it may be necessary to use such a reducing/extension shaft. If necessary, a Stub Shaft (Part No. P9009) is available on request from the manufacturers (Please specify your motor shaft diameter and length).
- There is a right hand thread in the end of the stub shaft for the Drive Wheel clamping bolt (Please ensure electric motor rotation is the opposite direction to the right hand thread so that the bolt is self tightening and does not undo during operation.
- Apart from these points, fitting is similar to that indicated above for a grinder.

6) Using a straight edge or ruler, align the Rubber Contatct Wheel with the Drive Wheel. Loosen the Mounting Bracket clamping bolt and move the Mounting Bracket towards or away from the grinder / motor until the two wheels are in line. Then re-tighten the clamping bolt securely.

7) Fit the abrasive belt.
On the first occasion this can be done by pushing the Rubber Contact Wheel back towards the Drive Wheel and engaging the locking Catch Plate. On subsequent occasions when there is a belt on the machine, this is achieved more easily by pushing down on the underside of the belt. Please ensure the belt is travelling in the correct direction. The top of the belt should be travelling from the Drive Wheel towards the Rubber Contact Wheel and the arrows on the back of the belt should be going in the correct direction. However, there are rare times when the arrows have been printed incorrectly. The main requirement is that the grinding action does not lift the join in the belt.

SPARE PARTS

i) Belt Specification:- 1520mm x 100mm (60 or 80 grit for general usage).
ii) The Rubber Contact Wheel will wear after continued use. It is not economically viable to re-rubber them. The replacement part no. is RCW440
iii) Other replacement parts, if required, are available either from your usual distributor or the manufacturer.



‘LINISHALL’ BELT GRINDER
MODEL 1520 / 100
INSTALLATION INSTRUCTIONS

We commend you on your choice of a **‘Linishall’** Belt Grinder and are sure it will give you many years of satisfactory service. If you purchased it as an attachment only, to be fitted to your own Bench Grinder or Electric Motor, the following installation procedures should be followed.

1) Although the Linishing Attachment can be driven by a power source of lesser capacity, we recommend that it can be fitted to a grinder or motor of 1½ HP (1.1kW) rating or greater to obtain maximum performance under load.

2) Remove the Mounting Hub from the cast aluminium Mounting Bracket by loosening the clamping bolt. Careful insertion of a screwdriver or similar in the slot of the Mounting Bracket to spread it slightly may assist this operation (and for subsequent reassembly later).

3) Fit the Mounting Hub to the motor or grinder.

i) To fit to Grinder

- Remove guard & grinding wheel etc.
- Bolt Mounting Hub onto grinder using High Tensile bolts through the slots of the hub into the guard mounting holes. The hub is designed to take either 3 or 4 bolts (use as many as will fit the grinder).
- The Mounting Hub can either face in towards the grinder or outwards depending on the grinder end sheild & shaft design.

ii) To fit to Motor

- Fit the Mounting Hub to the end shield of the motor concentric to the motor shaft (concentric by eye is adequate). It may be necessary to remove the end shield from the motor and drill (or drill & tap) holes to take High Tensile bolts.

(**Note:** Garrick Herbert Pty Ltd can accept no responsibility for any damage caused to motors during fitting or negating of motor manufacturer’s warranty. When we supply a unit already fitted to a motor we use a special end shield and carry warranty).

4) Fit the Mounting Bracket (& hence the Linishing attachment) back on the Mounting Hub and tighten the clamping bolt. Please note that the attachment can rotate through 360^0 to permit free strapping, platen grinding or contact wheel grinding. The most common position is horizontal, with the Rubber Contact Wheel facing towards the operator.

contd./P2