

# Standard Engineering Ltd.

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**EC DECLARATION OF CONFORMITY OF  
MACHINERY / ELECTRICAL APPARATUS TO THE  
SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008 AND THE  
ELECTROMAGNETIC COMPATIBILITY (EMC) REGULATIONS 2006**

- 1 Standard Engineering Ltd. of 10 Garrard Way, Telford Way Industrial Estate South, Kettering, NN16 8TD is the manufacturer of the following machine: -
  
- 2 Model - Aortha Bench Top Grinder
  
- 3 This machine complies with the requirements of "The Supply of Machinery (Safety) Regulations 2008" and the Machinery Directive 2006/42/EC.
- 4 This apparatus conforms with the requirements of EN 50081-2 in respect of Electromagnetic Emission.
- 5 This machine complies with the relevant essential Health & Safety requirements
- 6 The person authorised to sign the declaration on behalf of the Company is the Managing Director

Date of Issue: 6.4.18

Keith Malyon  
Managing Director

**Machine**

**Aortha Bench Top Grinder**

**Markings**

The machine is marked with the following: -

Name and contact details of supplier  
Machine series  
Serial number  
Sate of manufacture  
CE Mark

Markings on the front of the machine: -

“Danger - Disconnect the mains supply before removing the cover.”

Eye Protection emblem

**Electrical data**

Electrical Information: -

Phase	1
Volts	230
Amps	3
Load	0.75kw
Hz	50

## Machine

## Aortha Bench Top Grinder

### Dimensions

Mass of machine - 20 kilos

Dimensions: -

600mm W x 55mm D x 850mm H

### Commission

The machine shall stand firm and level on a work surface. Use suitable packing material as necessary to level, balance and secure the machine.

The filter bag should be fitted to the rear of the device. The opening from the filter bag onto the extraction spigot should be secured with the supplied ratchet belt.



Position machine at least 10mm - 20mm from any rear wall to enable the filter bag to remain clear of the wall when inflated.

The machine is supplied with a 13amp, 3-pin plug to fit a standard, domestic power supply.

### Machine Data

The machine is designed for use in the manufacture and adaption of materials associated with the orthopaedic and shoe repair trades.

**The machine shall only be used with all safety devices and guards in place and functioning.**

**Aortha Bench Top Grinder**



Filter Bag Hanging bracket  
(removable for transport - 2  
small nuts)

Filter Bag

Motor

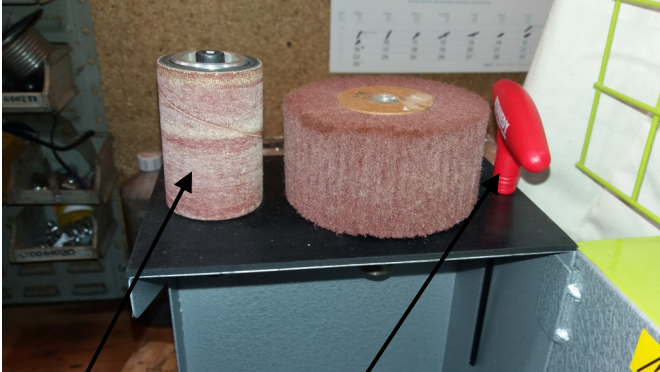
On / Off Switch

Detachable dust shield  
& tool storage area

Lamella Scouring  
Roll

Optional Ortho Scouring Roll

Tommy Bar



## Machine Data

Noise measurements carried out in accordance with ISO 3744, in an essentially free field over a reflecting plane, with all tools operating and the dust extraction system operating. Without an operator. Following noise value: -

At a point 1 metre from the centre line of the machine - 68 - 72 dbA.

The dust extraction system provides an air flow velocity at the face of the dust capturing port of 8-10 metres per second.

The machine has been electrically tested for: -

- (A) Continuity of protective bonding circuit
- (B) Insulation resistance
- (C) Function

## Manual Controls

Mechanical adjustments which can be made when mechanism is running.



NVR Switch  
(Non Voltage Return)

If there is a power loss, the BTG will not start-up again when the power is restored until the on button is pressed again.

## Machine Usage

The following mechanical adjustments must **ONLY BE MADE WHEN THE MECHANISM HAS BEEN SWITCHED OFF AND IS AT REST.**



Tommy Bar to be inserted into hole on motor shaft to hold mechanism still. A short clockwise turn will loose the tool from the machine.

Reverse this operation to install required tooling.



To empty the filter bag the bag needs to be unhooked at the top of the bag holder frame. The ratchet strap should then be loosened.

The bag can carefully be removed at this point and the scoured material emptied into a suitable waste receptacle.

The bag can be vacuumed out at this point to extend the operational life and refitted by reversing the above operation, ensuring the ratchet strap is tight.



To remove the bag frame, loosen both the nuts holding the frame on.

The two struts will come loose.

Be careful of storage during transport.

Re-assemble by same method.

## **Aortha Bench Top Grinder - Common Consumables and Parts**

### **Scouring**

51.01.7005.0	Ortho 80Grit Scouring Roll
GOT86381104	Ortho Lamella wheel

### **Filter Bag**

WA09166	Dustbag
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### **Bag Clamp**

Aortha Bag Clamp - 27-HGR070-115ZN bag clamp