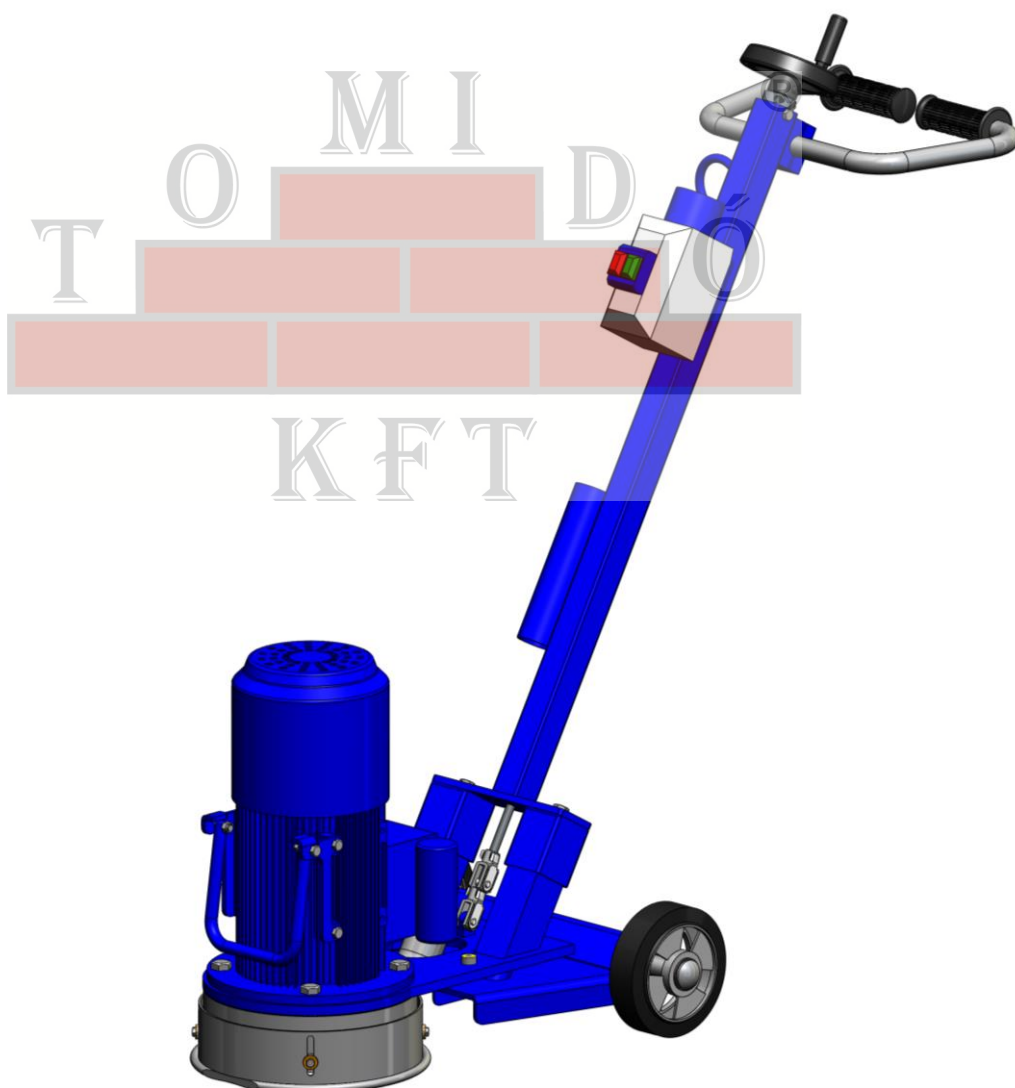




# ***BGS-250***

*Version 1.1*



**info@blastrac.eu**

**EC DECLARATION OF CONFORMITY**

in accordance with Appendix II sub A of Directive 98/37/EC

**BLASTRAC B.V.**

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The Netherlands

Declare under our sole responsibility that the machine as described below  
Conforms with the Health and Safety requirements of the European Directive  
of the machine Safety.

In case of changes to the machine without our written authorization this declaration loses  
its validity.

**Model:**

**BLASTRAC BGS-250/0000**  
**BGS-250/0003**  
**BGS-250/0004**  
**BGS-250/2002**

**Serialnumber: xxxxB**

1. satisfies the conditions set out in the Machine Directive (Directive 98/37/EC); Low voltage directive (73/23/CEE, as last amended; EMC directive 89/336/CEE, as last amended)
2. satisfies the following harmonized standards:  
NEN-EN 349, NEN-EN 418, NEN-EN 294 and NEN-EN 60204

Nieuwegein 11-10-2006

  
Michiel Kalisvaart

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## 1. Introduction

It is important that all persons who are working or maintaining with this machine will read the manual carefully and understand it fully. Keep this manual near to the machine, so it can always be consulted.

Only authorized and trained personnel may operate this machine.

## 2. Machine description

The BGS-250 is an electric driven floor grinding machine for treating horizontal surfaces. The machine has a rotating adapter plate where the diamond or multiflail disc can be fixed on.

The rotating parts are covered by a sliding protection cap with a connection for a dust hose.

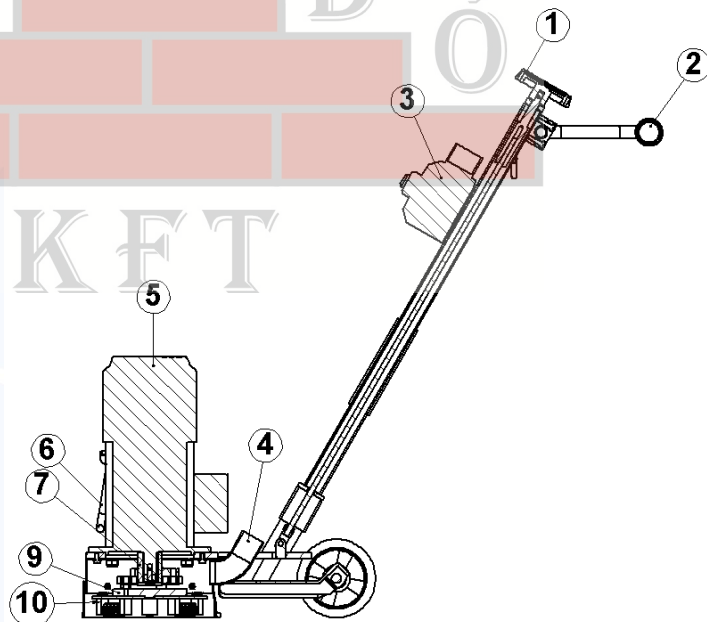
With a suitable Blastrac dust collector you can work without causing dust.

The machine can be leveled by turning the height adjustment handle.

### Application

The BGS-250 can be used on almost any floor to plane, to make ready for coatings, or to remove coatings or glue residues.

- 1 Height adjustment
- 2 Handgrip
- 3 On / Off emergency switch
- 4 Dust hose connection
- 5 Driving motor
- 6 Lifting handle
- 7 Coupling
- 8 Flexible coupling
- 9 Adapter plate
- 10 Cutter plate / Diamond plate



### Accessory's

There are several types of discs that may be used on this machine.

The discs that can be used are:

- |          |                                 |
|----------|---------------------------------|
| BG707101 | Premium Ninja disc hard Blue    |
| BG707102 | Premium Ninja disc middle Green |
| BG707103 | Premium Ninja disc soft red     |

- |          |                                |
|----------|--------------------------------|
| E04045   | Cutter plate                   |
| E04045/1 | Refill set for multiflail disc |

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### **3. Safety**

Before operating the machine, the personnel must be familiar with the safety instructions given in this manual.

Keep this manual near to the machine, so it can always be consulted.

#### **Safety precautions**

- The surface to be treated must be swept clean to remove stones, screws etc.
- Never use the machine when the surface is not clear and if there is a risk of tripping.
- Make sure there is not any water on the surface to be treated.
- Remove any trailing electrical cables and or dust hoses from the surface to be treated
- Always use a dust collector
- Don't get disturbed during the activities.

#### **Safety regulations**

- Persons who are not operating the machine must not be permitted to stay in the surrounding area of the machine.
- Don't change anything on the machine. Use always cables which are approved and safety earthed (extend) cables. The machine is always equipped with an earthed connection, do not change this and use always earthed cables with an earthed plug.
- Connect main power supply cable to an installation with an earth leakage circuit breaker.
- Inspect and test the electrical components regularly. The electrical components have to satisfy to the requirements which apply to these components.
- Always call a skilled electrician or your distributor when you have questions about the safety of the electrical components.
- Work on electrical equipment or operating materials may only be undertaken by a skilled electrician or by trained persons under the guidance and supervision of a skilled electrician as well as in accordance with the electrical engineering regulations.
- Pull out the main plug during inspections and repairs on the machine.
- Never operate the machine when the surface is wet.
- Never use the machine in the rain.
- The machine contains rotating parts which are covered by a sliding protection cap. At times of a rotating motor, the protection cap must be always in contact with the floor.
- The flexible coupling can become obsolete with use, because of this there can be higher vibrations than normal. Check for this reason regularly the flexible coupling.

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The following sticker is placed on the machine.



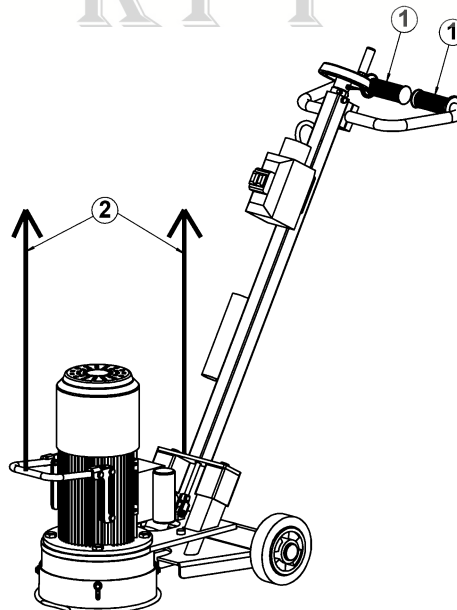
Meanings of these symbols are:

- Ear protection is obliged
- Safety glasses with lateral protection are obliged
- CE-mark on this machine
- Safety shoes obliged
- Consult the manual before operating the machine

Personnel must tie back long hair and not wear loose clothing or jewellery including rings. Wear gloves and dust mask during operating the machine.

#### **Safety instructions**

- Do not stand the machine on the diamond disc or coupling when it is not in use, this will cause deformation to the flexible coupling. Lay down the machine on the handle.
- Make sure the machine is clean and that the handgrips are dry and free of grease and oil.
- Pull out the main plug when changing the disc or flexible coupling.
- The BGS-250 weights 70 kilogram. It is not allowed to lift this machine with 2 persons. Use preferably appropriate appliances as a lift or crane.
- Lift the machine up by the points 1 and 2.



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## **4. Initial operation**

Before using the machine it is committed to inspect the machine.  
It is not permitted to use the machine if the machine safety is not according the checkpoints below.

### **Checkpoints of electrical safety**

- Use only extension cables for extending the main cable that are sized and marked in accordance with the overall power consumption of the machine.
- Electrical cables must be rolled entirely off of the reels.
- Any damage to electric cables is not permitted
- Use an electrical power supply connection with earth connection

### **Checkpoints of machine safety**

Check if:

- The safety functions and operating functions work correct.
- The flexible coupling is not deformed or damaged
- The diamond / multiflail disc is not damaged
- The protection cap is fixed properly and slides well.
- There are no damages on the electrical components.
- There are not any loose nuts or bolts
- There is no damage to the dust hose and if it is connected well.

### **Removing the diamond disc**

- Make sure the power supply plug is out of the machine
- Lay down the machine so it is lying on the handle. Make sure the machine will not fall back down. A second person can stand on the handle to make sure it will not fall back down.
- Loosen the 4 bolts with an appropriate key.
- Remove the diamond or multiflail disc.

### **Mounting the diamond disc**

- Make sure the power supply plug is out of the machine.
- Lay down the machine so it is lying on the handle. Make sure the machine will not fall back down. A second person can stand on the handle to make sure it will not fall back down.
- Fix the diamond or multiflail disc underneath the adapter plate and turn the 4 bolts with an appropriate key tight.

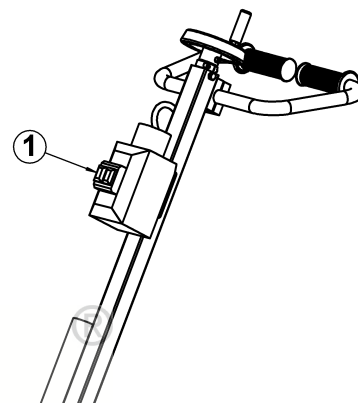
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## 5. Operating

During operating the BGS-250, the following additional safety instructions must be followed closely.

### Switch on the machine

- Level the machine with the height adjustment handle
- Turn on the dust collector before switching on the machine
- Connect the dust hose with the machine
- Stand behind the machine
- Push down the handle of the machine so that the diamond disc is off the ground, but the protection cap stays in contact with the floor
- Push the green button on the electrical box (1)
- Let down the machine till the diamond disc hits the floor
- Start grinding

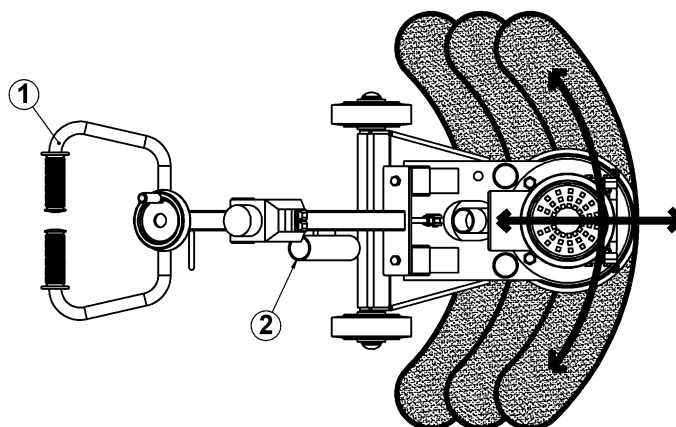


### Switch off the machine

- Push the red button on the electrical box (1)
- Wait until the machine stops rotating before laying down the machine on the handle
- Pull out the power supply
- Shut down the dust collector.

### Operating during grinding

To get an optimum result during grinding, the machine may not stand still. The machine must always be in movement so it does not grind too deep into the floor. Move the machine from left to right and from forward to backwards to get a nice flat result.



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## **6. Maintenance**

Work only with original Blastrac parts.

Check regularly to see if the diamond disc is in good condition. Replace immediately the diamond disc when this is damaged or worn out.

Check if the flexible coupling is stiff enough, after every 2 diamond disc changes. Replace if any deformation or damage is found, replace the coupling after use of 7 diamond discs. Unusual vibrations on the machine check immediately the diamond disc and flexible coupling

### **Replacing the flexible coupling:**

- Pull out the main plug
- Remove the diamond disc
- Remove the protection cap
- Loose the bolts of the adapter plate and the flexible coupling
- Take a new flexible coupling and assemble this together with the adapter plate on the fixed coupling on the motor axle
- Assemble the protection cap

Prevent premature wear by keeping the machine as dust free as possible. Clean the machine for this reason regularly with a dust collector

Clean the machine every day with air and non-aggressive materials. Never use a high pressure water cleaner to clean the machine.

Remove the diamond disc after using the machine

Store the cleaned and dry machine in a dry and humid free room. Protect the electrical motor from moisture, heat, dust and shocks.

All repair work must to be done by qualified Blastrac personnel, this to guarantee a safe and reliable machine.

Any guarantee on the machine is expired when:

- Non original Blastrac parts and diamond discs have been used
- Repair work is not done by qualified Blastrac personnel
- Changes, add on's or conversions are undertaken without written permission of Blastrac BV

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## 7. Technical data

	<b>BGS-250 230V</b>	<b>BGS-250 400V</b>	<b>BGS-250 110V</b>
Power consumption	2,2 kW	3,0 kW	1,2 kW
Electrical connection	230V / 50 Hz	400V	110V / 50 Hz
Amperage	12,9A	6,6A	28,0A
Diameter diamond disc	Ø 250 mm	Ø 250 mm	Ø 250 mm
Working width	250 mm	250 mm	250 mm
Rotation speed	1440 min <sup>-1</sup>	1440 min <sup>-1</sup>	800 min <sup>-1</sup>
Length	1180 mm	1180 mm	1180 mm
Width	520 mm	520 mm	520 mm
Height	1120 mm	1120 mm	1120 mm
Weight	70 kg	70 kg	70 kg
Noise level	80dB(A)	80dB(A)	80dB(A)
Dust hose connection	51 mm Ø	51 mm Ø	51 mm Ø
Suitable filter unit	Contact Blastrac BV We will assist you with a good advice	Contact Blastrac BV We will assist you with a good advice	Contact Blastrac BV We will assist you with a good advice

Design and specifications are subject to change without notice by Blastrac BV

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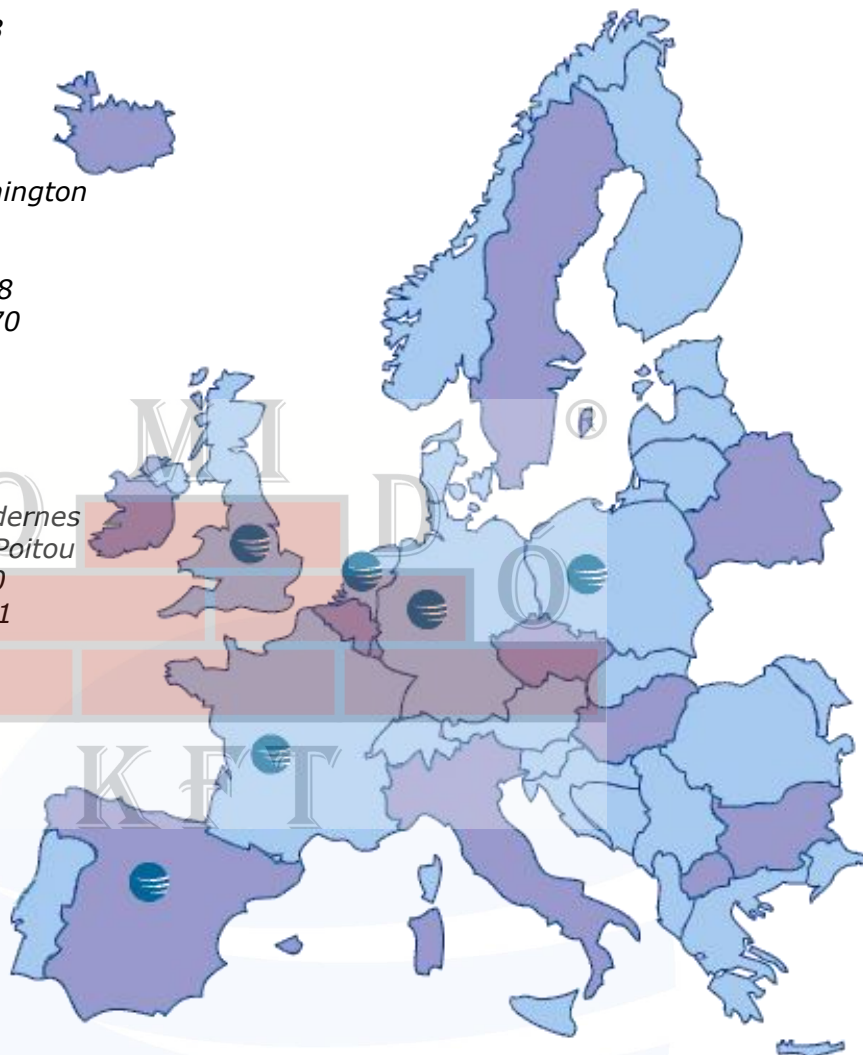
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