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Diamatic

MODEL BMGP-600 Grinder



Grinding & Polishing

OPERATING MANUAL

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- 1.4 Stand-by power supply
- 1.5 Machine type designation

OPERATING MANUAL

1.1 RATING

Unit / Designation: Diamatic Grinding Machine

Machine Type: BMGP-600

Manufacturer:

**Diamatic US**13201 North Santa Fe
Oklahoma City, OK 73114
United States of America
Local: 405-478-3440
toll-free: 800-256-3440**Diamatic BV**Utrechtshaven 12
3433 PN Nieuwegein
THE NETHERLANDS
T +31(0)30 – 601 88 66
F +31(0)30 – 601 83 33

1.2 UNIT SPECIFICATIONS

Technical Data:

Grinding Machine	BMGP-600
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Dimensions:

	BMGP-600
Length (with handle extended)	63 in / 1600 mm
Length (with handle down)	42.5 in / 1080 mm
Width	26 in / 660 mm
Height	47.5 in / 1207 mm
Weight	700 lbs / 318 kg



Motor HP:	7.5 HP
Power Source:	208-230 VAC, single phase, 60 Hz
Current:	29.5 – 32 FLA
Motor RPM:	1725 RPM
Power Cord Length:	55 feet
Vacuum hose port:	3 inch diameter
Weight:	700lbs
Tool RPM:	400 RPM
Tools Available:	Various diamond tools and optional slicer kit with tungsten carbide cutters. See section 10.2 for a listing.
Cleaning path:	23" width
Recommended vacuum:	Model BDC-1324 or Model BDC317P

1.3 OPERATIVE RANGE AND CORRECT USAGE



The BMGP-600 is exclusively designed to process horizontal surfaces. The machine must not be used for other purposes. The manufacturer will not be liable for damage resulting from incorrect usage. In these cases, the user takes responsibility for all risks.

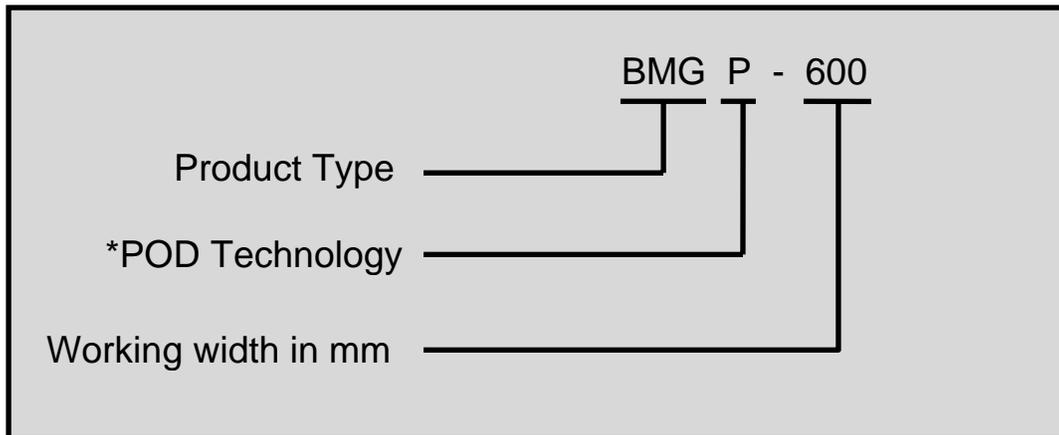
1.4 STAND-BY SUPPLY (GENERATOR)



If the BMGP-600 may be operated using power from a generator, the generator must be operated in accordance with the current **U. S. National Electric Code guidelines** (this applies, but is not limited to, the protective earth conductor in particular) in order to ensure that all safety devices are functioning and to eliminate possible damage to electrical components.



1.5 MACHINE TYPE DESIGNATION



*Note: POD = Point Of Development

CONTENTS – SECTION 2

- 2.1 Warnings and symbols
- 2.2 Organizational measures
- 2.3 Personnel selection and qualification
- 2.4 Safety precautions applicable to some operating sequences
- 2.5 Special work within the scope of use of the equipment and maintenance activities as well as repairs during operation
- 2.6 Definition of the safety off position
- 2.7 General Safety Considerations
- 2.8 Electrical engineering regulations

OPERATING MANUAL



2.1 WARNINGS AND SYMBOLS

The following denominations and symbols are used in the Operating Instructions to highlight areas of particular importance:



Symbol of operational safety.
In these Operating Instructions this symbol will be shown next to all safety precautions that are to be followed to maximize safety and equipment performance. Follow these instructions and take special care in these circumstances. In addition to these instructions, the general safety precautions and accident prevention guidelines are also to be followed.



Particular details regarding the economical use of the equipment.



Information, instructions and restrictions with regard to possible risks to persons, property or equipment.



Warning of dangerous voltages.



Indicates protective devices in electrical appliances.



Indicates where consultation with the manufacturer is required.



Instructions relating to periodic checks.



Reference to important instructions contained in the Operating Instructions.

2.2 ORGANIZATIONAL MEASURES



These Operating Instructions are to be kept with the machine, and must be within reach at all times!

In addition to these Operating Instructions, general and legal regulations regarding accident prevention and environmental protection must be complied with per local regulations.

Such duties may, for example, relate to the handling of hazardous substances, or the provision and wearing of personal protection equipment, as well as compliance with traffic regulations.

The Operating Instructions must be supplemented by other instructions, including the duty to supervise and report incidents relating to particular working practices, for example work organization, work procedures and personnel safety.

Personnel entrusted with working with the machine must read and understand the Operating Instructions before starting work, paying specific attention to the Safety information. To read these instructions after work has commenced is too late. This particularly applies to incidental activities such as setting up the equipment, carrying out maintenance work or training staff to work with the

SECTION 2 SAFETY INSTRUCTIONS

machine. Personnel must also read all supplemental manuals from other manufacturers.

From time to time the working practices of the operators are to be checked by a supervisor, especially regarding awareness of safety and hazards.

Observe all applicable local, state and Federal safety regulations that pertain to the equipment, the products being operated and the substances being removed from the surface.



Use personnel protection equipment as required by OSHA and other local regulations! Take notice of all safety and hazard notices on the machine!

Operators must tie back long hair and avoid wearing loose clothing or jewelry, including rings. There is a risk of injury by items getting caught, or being drawn into moving machinery.

The use of appropriate gloves and non-skid footwear are recommended when working with this machine.

Follow the OSHA and other applicable regulations for approved respiratory protection standards when operating this machine in a dry operation with a dust collector to avoid possible airborne contaminants. Grinding and cutting concrete produces dust that may generate airborne respirable crystalline silica which can lead to silicosis and death.

Do not use in dry operation without an approved dust collector system to reduce or eliminate the escape of potentially hazardous or nuisance dust into the environment.

All safety and hazard notices at or on the machine must be kept complete and legible.

If safety-critical changes occur to the machine or its working method, the machine must be shut down immediately. The cause of the fault must be established and remedied.

This applies in particular to the fitting and adjustment of safety devices.



Changes, additions or conversions to the machine must not be made, without the manufacturer's permission!

Spare parts must comply with the technical requirements specified by the manufacturer. This is always guaranteed if original spare parts are used.



Intervals for recurring checks and inspections specified in these Operating Instructions must be complied with.

To perform maintenance work correctly, it is imperative to be equipped with the proper tools for the task.



The location and the operation of fire extinguishers must be made known on each work site.

Take note of the facilities for reporting and fighting fires.

2.3 PERSONNEL SELECTION AND QUALIFICATION

Fundamental duties:

Work on the machine may only be undertaken by trained personnel.

Only trained personnel may be employed. Note the statutory minimum age. Clearly specify the responsibilities of personnel for operation, setting up, servicing and maintenance work.

Make sure that only authorized personnel operate or work on the machine.

Define responsibilities of the machine operator, with regard to traffic safety regulations, and inform him not to take instructions from third parties who may not be complying with the local safety requirements.

Personnel, who are being trained to operate equipment, may only use the machine under constant supervision of an experienced person.





Work on electrical equipment may only be performed by a skilled electrician or by trained persons under the supervision of a skilled electrician, as well as in accordance with the local electrical engineering regulations.

2.4 SAFETY PRECAUTIONS APPLICABLE TO SOME OPERATING SEQUENCES

Do not allow any method of working that impairs safety.

Recognized official procedures have to be used to ensure the machine is operated in the safest and best conditions.



Only operate the machine when all safety devices, and related safety equipment, are present and operational!

Check the machine visually for any damage and defects at least once a day.

In the event of operational malfunctions the machine must be shut down immediately and secured. Some examples of abnormalities include unusual noise and vibration.



Secure the work area around the machine in public areas providing a safety distance of at least 6.5 feet (2 meters) from the machine.

Faults must be immediately remedied.

Carry out the switch on, and switch off, operations in accordance with the operations manual.

Before turning on the machine verify that no one can be endangered when the machine starts up.

Do not turn off the dust collector while the machine is running.



All persons in the proximity of the machine must wear OSHA approved ear and eye protection, as well as safety shoes. In addition, the machine operator must wear close fitting protective clothing.



Use only extension cables, used for extending the main cable, that are sized and marked in accordance with the overall power consumption of the machine and valid U. S. National Electric Code guidelines. See Section 2.8 for electrical information.

Before starting the machine, survey the work area for hidden obstructions and/or uneven cracks or joints.

Do not expose machine to rain or use in standing water conditions.

Keep work area well lit.

Do not allow machine to cross over the edge of the concrete slab or work surface.

Keep work area clean. Cluttered work areas and debris buildup on floors creates an unsafe work environment.

Avoid flammable liquids or gases. Power tools produce sparks during operation and when starting or stopping electric motors. Never use machinery in dangerous sites containing materials that are combustible or explosive.

Keep children and visitors away from the work area at all times.

Refer to the MSDS of all substances in and around the machine and follow the appropriate safety guidelines associated with the use/exposure of the substance.

Never pull machine by power cord, run over cord with machine or forklift, or pull on cord by extending machine distance from power source too far. Connect power cord to power source and power cable extensions with approved plugs

and with machine power switch turned off. If the cord is damaged, disconnect from power and repair immediately.

Keep proper footing and balance at all times.

Keep machine clean and use sharp cutters or diamond plugs that are in good condition. Keep handles dry, clean and free from oil and grease. Follow instructions for lubricating and changing accessories or tools.

Do not carry or transport machine with finger or hand on the power switch while power cord is connected to power source.

Do not leave the machine running unattended. Turn the power off. Always have full control of the machine until all machine components have come to a complete stop.

Check to see that wrenches and tools, or any other loose objects are removed from machine before turning it on.

Watch what you are doing. Use common sense. Do not operate machine when you are not fully alert.

Do not operate machine while under the influence of drugs, alcohol, or any medication.

Before any use of the machine, check for damaged parts that should be replaced. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting of cutter on diamond tools and any other condition that may affect machine operation. A guard, power switch or other part that is missing or damaged should be properly repaired or replaced by an authorized service center. Do not operate machine if power switch does not turn machine on and off.

Do not remove guards or covers that have been factory mounted. They perform important safety roles. Keep them in the proper positions.

Extra care must be taken to ensure that tools are correctly mounted on the correct holders and that tool holders and mounting brackets are secured in their proper position. Damage to the tools, holders and floor surface and/or injury can occur if not properly tightened and secured.

Always keep the motor cooling fan guard uncovered. Do not block vent openings of the guard over the motor cooling fan. Vent openings are necessary for adequate motor cooling. Do not operate motor with fan guard removed.

Never touch moving parts such as tool holders, cutters, diamond plugs, or motor cooling fan, etc.

Do not modify machine from its original design without written permission of the manufacturer. Non-authorized modifications can lead to serious injury or death.

Refer to this operations and maintenance manual frequently and use it to instruct others who may operate the machine.

Verify that the operator controls are working correctly. Do not operate the machine if the operator controls are not working correctly. Test the stop, start and emergency stop controls each time you start the machine.

If your machine is equipped with a variable speed drive, make sure the speed is set at its lowest speed setting before starting the machine.

2.5 SPECIAL WORK WITHIN THE SCOPE OF USE OF THE EQUIPMENT AND MAINTENANCE ACTIVITIES AS WELL AS REPAIRS DURING OPERATION

Mechanical servicing work:

Put the machine in the Safety off position as described in Section 2.6 before carrying out any service work on the machine.

Follow any special safety instructions in sections on servicing the machine. See Sections 7.1 – 7.9.

Service and maintenance intervals specified in these Operating Instructions, as well as information on the replacement of parts must be undertaken and/or complied with.

These activities may only be undertaken by qualified personnel.

Never attempt to repair machine unless you are completely familiar with proper procedures and techniques required.

The operator must be given information about maintenance and work procedures before starting the cleaning process. This includes, but is not limited to the following:

- Procedures that are related to normal operation
- Methods of tools adjustment on the machine, and its safety devices,
- All “ON and OFF” functions that have to be carried out according to the operation manual
- Methods for maintenance and repair.

If the equipment is switched off in order to carry out maintenance, repair, or adjustment, it must be secured against unintended restart.

Switch OFF and disconnect the machine from the power supply.

See Section 2.6 Safety off position for specific details.

Always dispose of the contents of the dust bin or of a connected dust collector before loading the machine onto a vehicle.

Observe the local waste disposal regulations; in uncertain situations ask the next higher authority.

Do not use any aggressive cleaning materials.

Only use lint-free cleaning cloths.

Always verify that any bolted connections that were loosened during service and maintenance work are properly secure and tight.

If safety devices need to be removed or dismantled during service and repair, these safety devices must be reinstalled, and inspected immediately after completion of the servicing and repair work.

SECTION 2 SAFETY INSTRUCTIONS

Make sure that process materials and replaced parts are disposed of safely and in an environmentally friendly manner.



Work on electrical equipment may only be performed by a skilled electrician or by trained persons under the supervision of a skilled electrician, as well as in accordance with the local electrical engineering regulations.

Make sure that electrical components used for replacement purposes comply with the original parts and are correctly adjusted if necessary.

2.6 DEFINITION OF THE SAFETY OFF POSITION

Definition: The machine is in a safe condition where it cannot be a hazard.

Putting the equipment in the Safety off position involves:

- Switching off the machine.
- Switching off the dust collector (if being used).
- Waiting for all drives to stop.
- Disconnect from power source.
- Securing against unintended restart.

2.7 GENERAL SAFETY CONSIDERATIONS



Any machine, if it is not used according to regulations, may be hazardous during operation, set-up and servicing. The machine owner is responsible for compliance with the safety regulations during operation and maintenance, and for the use of safety devices supplied with the machine, as well as the provision of appropriate additional safety devices!

2.8 ELECTRICAL ENGINEERING REGULATIONS



Work on electrical equipment may only be performed by a skilled electrician or by trained persons under the supervision of a skilled electrician, as well as in accordance with the local electrical engineering regulations.



Use only extension cables, used for extending the main cable, that are sized and marked in accordance with the overall power consumption of the machine and the U. S. National Electric Code guidelines.

The electrical components of the equipment must be inspected regularly. Defects such as loose connections or scorched cables must be replaced immediately. Call a skilled electrician or our Customer Service.

A second person must be in attendance while the electrician is working on the equipment.

The work area must be secured against any third party entering the work area, by means of a red and white safety chain and a danger sign. Use only tools that are insulated against electricity.

Only start work after you are familiar with the electrical engineering regulations that apply to the local area.

Only use multi-meters that complies with the regulations when troubleshooting. From time to time check multi-meters to ensure that they are operating correctly.

Before connecting machine to a power source, be sure the voltage supplied is the same as that specified on the nameplate of the machine or motor. A power source with voltage greater than that specified for the machine can result in serious injury to the user and damage to the machine. If in doubt, do not plug in machine. Using a power source with voltage less than the nameplate rating is harmful to the motor.

SECTION 2 SAFETY INSTRUCTIONS

It is important that the operator understands the electrical requirements for using extension cords. The length of extension cord should be limited to the electric

supply limitations and should never exceed 100ft in length. In addition, you should only use (3) three conductor cords on the single-phase machines. Make sure that any extension cord used is in good condition. Disconnect the power source and replace or repair damaged cords and plugs before starting the machine.

When using an extension cord, be sure to use a cord heavy enough to carry the current the machine will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. See Section 3.0 for the table showing the correct size and type of conductor to use, depending on cord length

and nameplate ampere rating. If in doubt, use the next heavier gauge. As the gauge number decreases, the cord thickness increases.

When a machine is used with any extension cord, be sure to use plugs and receptacles rated for proper voltage and amperage as prescribed by the National Electric Code. Make sure that all extension cords are wired the same, matching wire colors and that the ground wire (green) is secured in its proper position.



CONTENTS – SECTION 3

- 3.1 Range of application
- 3.2 Scope of supply
- 3.3 Description of the machine
- 3.4 Operating elements
- 3.5 Electric components
- 3.6 Driving part
- 3.7 Care and maintenance

OPERATING MANUAL

SECTION 3 GENERAL

3.1 RANGE OF APPLICATION

Typical applications for the BMGP-600 include the removal of thick, horizontal elastomeric floor coatings and adhesives such as tile mastics or carpet glue. In addition, the machine is capable of leveling uneven and undulating floors. This includes the optimization of surfaces, concrete polishing, wood sanding and removing tiger striping after shot blasting.

Depending on the application, the diamond disc holder can be fitted with several different types of diamond-grinding discs.

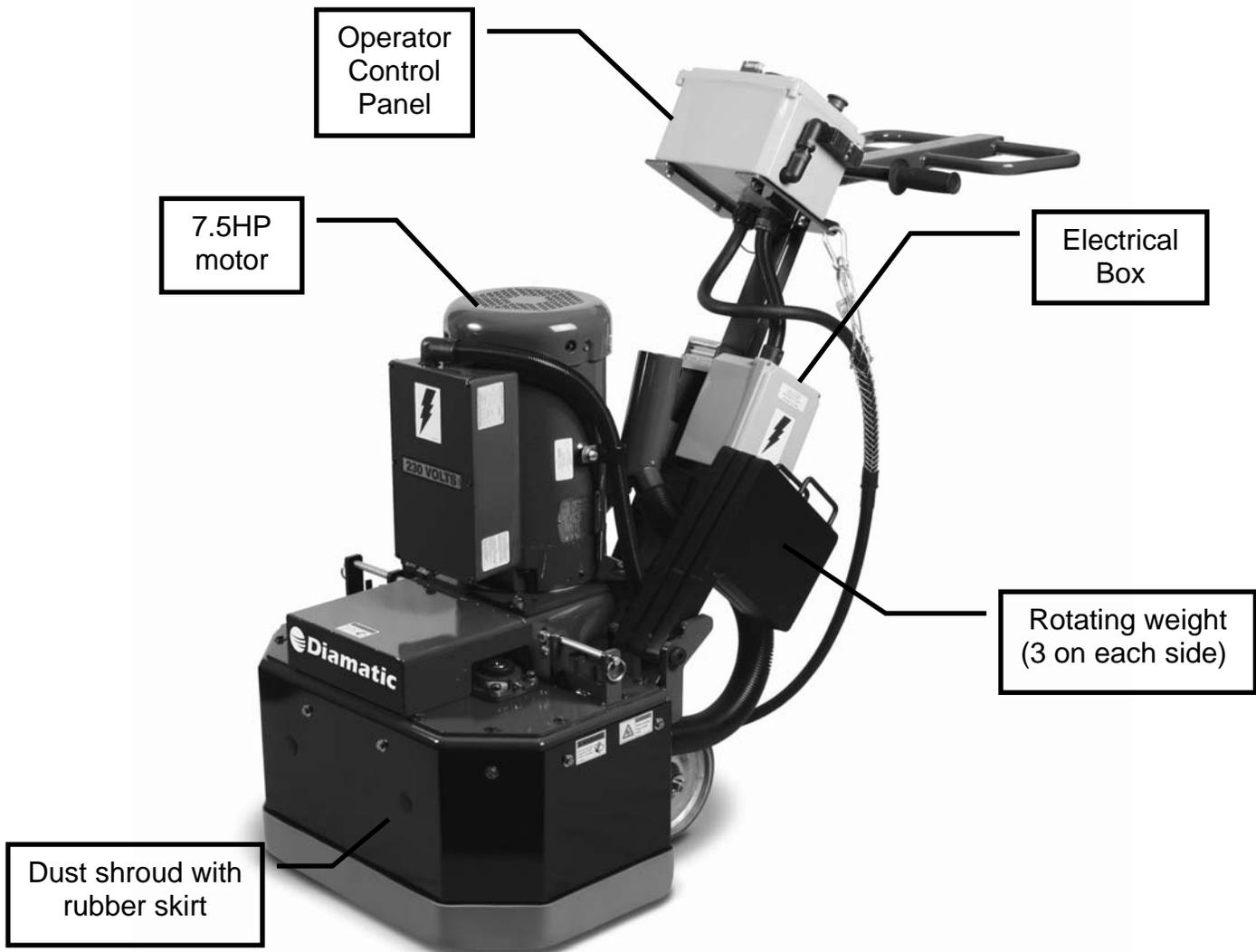
3.2 SCOPE OF SUPPLY

Scope of supply of the machine:

- Grinding machine (BMGP-600)
- Operating manual (1x)



3.3 DESCRIPTION OF THE MACHINE



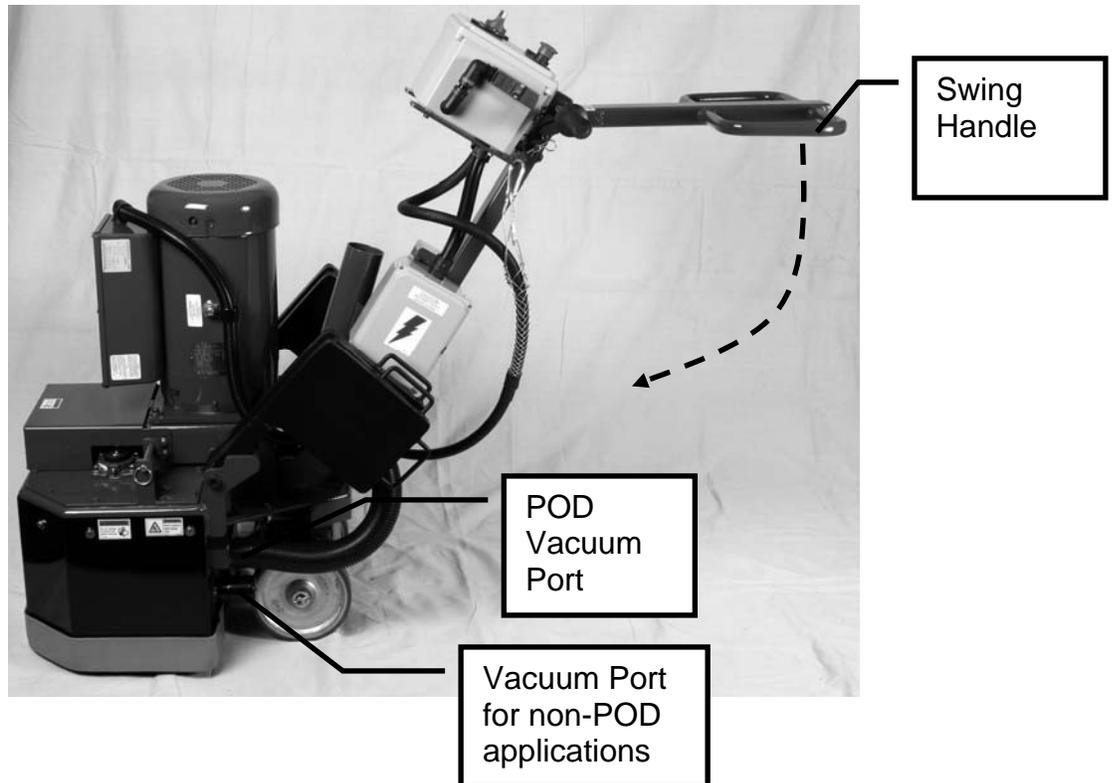
The BMGP-600 is a plug grinding machine with two counter-rotating heads driven by a 7.5HP motor.

The machine is equipped with rotating weights located on both sides of the motor that allow the user to adjust the head pressure by rotating them forward or backward.

An operator control panel is placed within operator reach that is designed to include the basic machine controls, as well as a dead-man lanyard for safety.

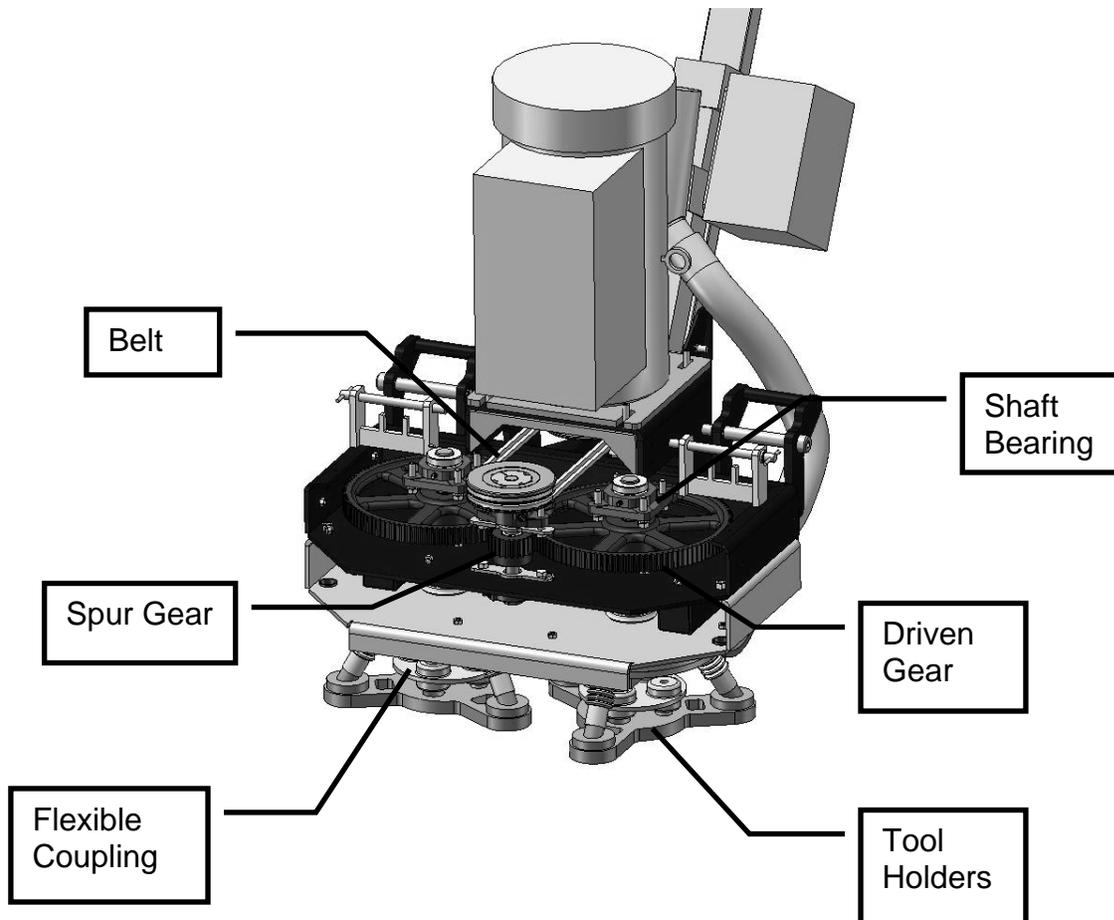
The electrical box is located, out of the way, along the side of the handle.

The dust shroud is provided with a rubber skirt allowing the machine to maintain a seal on uneven surfaces.



The swing handle may be adjusted down for transport and/or tight spaces.

Two sets of vacuum ports are provided so that the machine may be used with or without the POD technology. For example, when using a slicer kit, the lower vacuum port should be used.

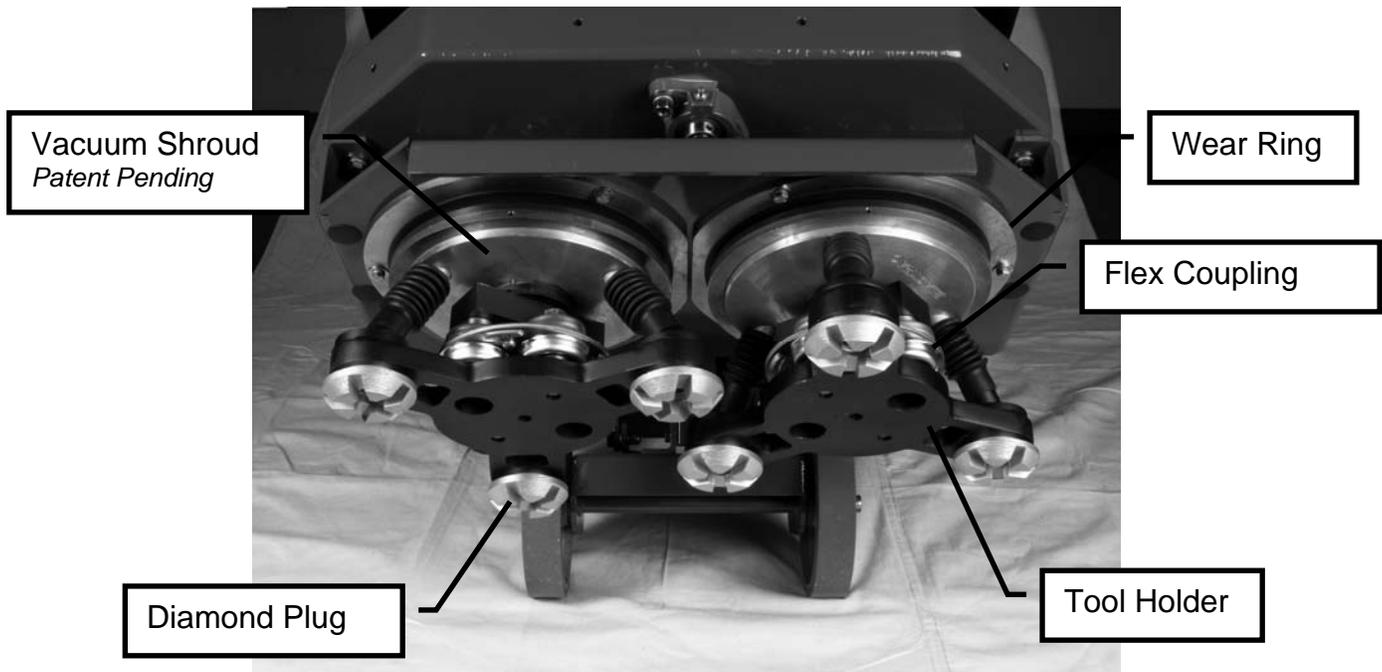


The BMGP-600 counter rotating heads are belt and gear driven. They rotate the shafts that turn the flexible couplings that are attached to the tool holders. The flexible coupling allows the machine to operate on imperfect surfaces.

The gear box is packed with a heavy duty, multipurpose grease for anti-wear protection with no maintenance necessary. Although, care should be taken to keep the gear box sealed to prevent contaminants from entering.

The shafts are designed with shoulders to establish fixed installation locations to help ensure an even grind. However, it is the responsibility of the operator to maintain the equipment and select the appropriate tools for the job.

Bearings are located on the top and bottom of the shaft to hold the shafts in place and provide smooth rotation of the tool holders.



The rotating heads consist of the tooling holder, flexible coupling and the patent pending vacuum shroud which, along with other components, provide the POD (or Point Of Development) dust extraction functionality. An easily replaceable wear ring acts as a barrier to protect the air plenum from abrasive wear caused by dust generated by the process.

The tooling plates rotate at approximately 400 revolutions per minute. They are designed to hold tungsten carbide cutters, as well as specially designed POD diamond plugs. The tungsten carbide cutters are used to slice coatings and adhesives apart and the diamond plugs can be used to clean off any remaining material, to remove hard, brittle coatings and paints, or to prepare concrete surfaces for coating.

Due to the POD functionality, the BMGP-600 does not require a water source for cooling the tooling or reducing dust while grinding. The revolutionary POD technology cools the diamond segments on the tooling as it captures the dust and eliminates dust immediately after the particles are released from the surface of the floor. This minimizes cleanup, allows the user to maintain better visibility of their work surface and greatly reduces airborne dust.

This machine is designed to be used with a Model BDC-1324 or BDC317P dust collection system and appropriate respiratory protection.

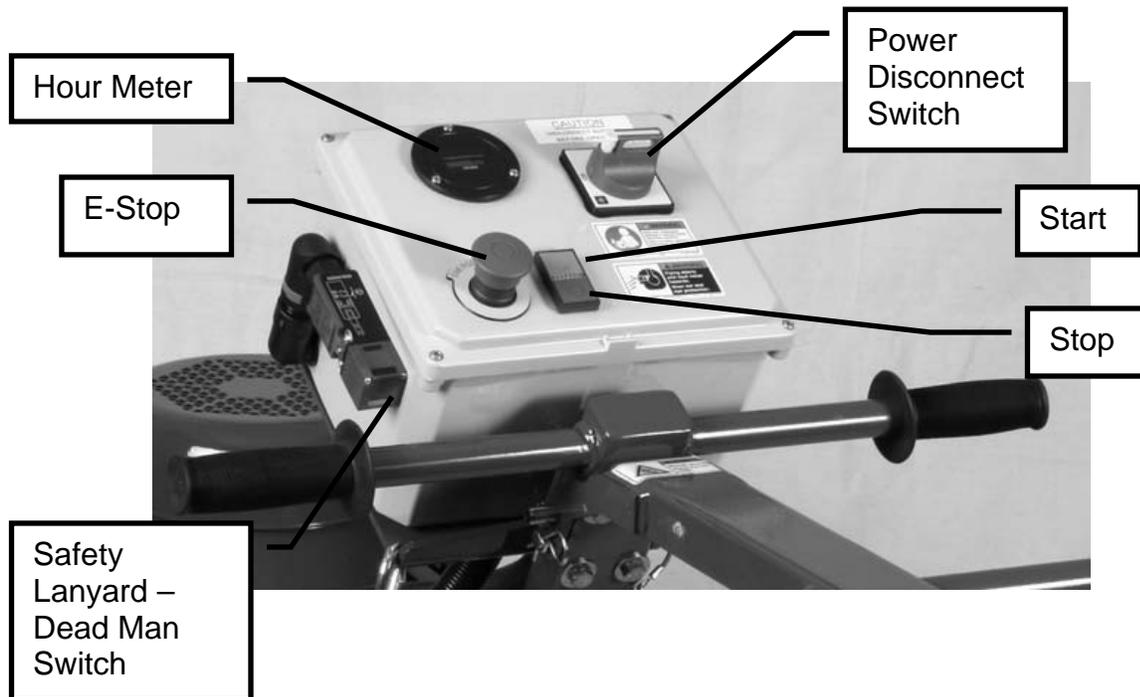
3.4 ELECTRIC COMPONENTS

Branch Circuit Requirements				
Machine	Total Amperage Draw 60Hz	Customer Provided Circuit Protection	Cord Provided with Machine	Extension Cord Requirements
BMGP-600 (7.5HP)	29.5 - 32	50 Amp	55ft*	8/3 Type W
BDC-1324	19	20 Amp	25 ft	12/3
317P	18	30 Amp	25 ft	12/3
BMGP-600 (208V) and BDC-1324 (110V)	32 Amp @ 208V 19 Amp @ 120V	50 Amp @ 208V 20 Amp @ 120V	See Above	See Above
BMGP-600 (230V) and BDC-1324 (110V)	29.5 Amp @ 230V 19 Amp @ 120V	50 Amp @ 220V 20 Amp @ 120V	See Above	See Above
BMGP-600 (208V) and 317P (208V)	50 Amp	60 Amp	See Above	See Above
BMGP-600 (230V) and 317P (230V)	47.5 Amp	60 Amp	See Above	See Above

***Machine is supplied with 55 ft of power cord with no electric plugs. Be sure to use electrical connections that meet the amperage and voltage requirements of the machine.**



The Switch box is equipped with all control elements and instruments needed to operate the grinding machine.



Hour Meter: The hour meter records the “on” time for the machine.

Power Disconnect Switch: When disengaged, the start button will not be able to start the machine. This disconnect is to be used during maintenance or repair to ensure the safety of the personnel working on it.

Stop button: The red button will stop the machine.

Start button: By pressing the green button, the motor will start.

Emergency Stop (E-Stop): When pressed, the machine will stop. The E-stop must be reset by twisting to restart the machine.

Safety Lanyard: When the lanyard is pulled from the switch, it will stop the machine. The lanyard must be reconnected into the switch in order to operate.



This lanyard is provided as a safety for the operator. It is important that the operator wears the lanyard during operation.

3.5 CARE AND MAINTENANCE



Special care and regular maintenance of the machine are imperative for proper function and safety.

Pay attention to unusual noises or strong vibrations. Check for the cause of every big change. Call a technician if you have doubts about the cause or when a repair without a technician seems not possible without damages. Only use genuine parts.

Verify that any wastes or fiber residues do not remain in the area of the tooling adapters.

See Maintenance Section 7.2 for the recommended maintenance schedule.

Before using the machine you should always verify that all bolted connections are secure and tight.



Use of non-original replacement components or wear parts may void the machine warranty.

Do not clean plastic parts or machine with solvent. Solvents such as gasoline, thinner, benzene, carbon tetrachloride and alcohol may damage and crack plastic parts, handle grips, electric cords, as well as damage painted surfaces of the machine.

Clean plastic parts, electric cords and handle grips with a soft cloth lightly dampened with soapy water. Refer to the MSDS of all substances in and around the machine and follow the appropriate safety guidelines associated with the use/exposure of the substance.

CONTENTS – SECTION 4

- 4.1 Unit specifications
- 4.2 Manual mode of moving the machine
- 4.3 Transport with cranes or lifts
- 4.4 Transport of the machine with vehicle



SECTION 4 TRANSPORT

4.1 UNIT SPECIFICATIONS

	BMGP-600
Length (with handle extended)	63 in / 1600 mm
Length (with handle down)	42.5 in / 1080 mm
Width	26 in / 660 mm
Height	47.5 in / 1207 mm
Weight	700 lbs / 318 kg

4.2 MANUAL MODE OF MOVING THE MACHINE

To move the machine press down the handgrips of the machine until the front part rises approximately 4 inches (10 cm) from the ground. It can now be pushed around on its wheels.

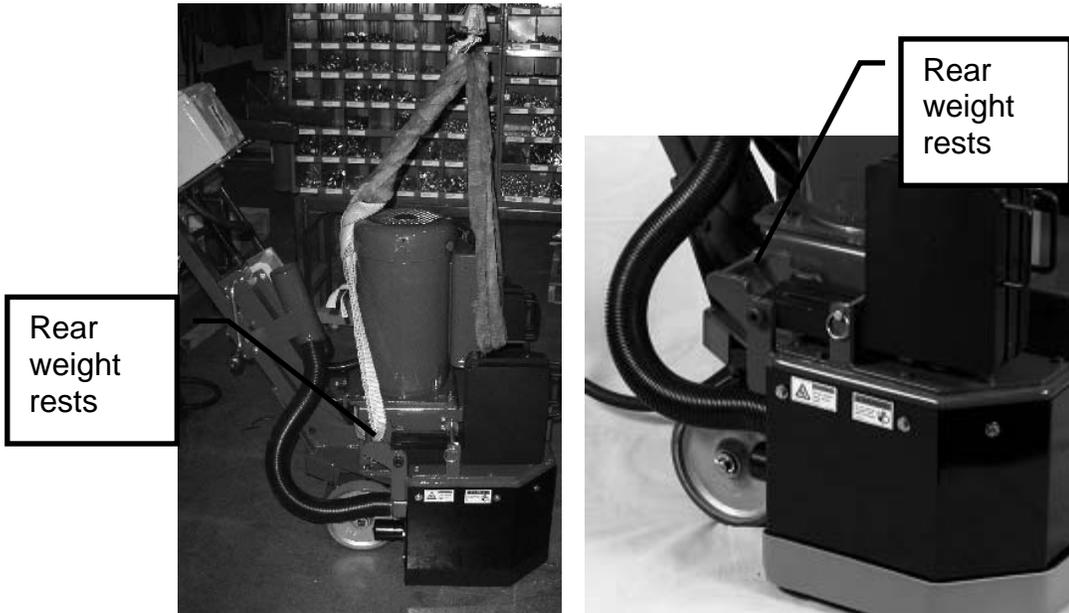
The machine should only be moved around after the attachments are disconnected, such as:

- Generator, (if being used)
- Dust collection unit



4.3 TRANSPORT WITH CRANES OR LIFTS

If the machine is to be transported by a crane or a fork lift, verify that the lifting strap(s) has sufficient capacity to support the weight of the machine (~700 lbs) and that they are in good condition with no cuts or frays.



Feed the lifting slings through the rear weight rests located near the rear side of the motor. Route the strap behind the motor and through the opposite rear weight rest. Make sure that you run the strap under the motor mounting plate so as not to put stress on the motor mounting plate bolts. Ensure that you clear the electrical cables, hoses, etc.



Feed a second strap through the middle weight handle to keep the machine from tipping forward when lifting.

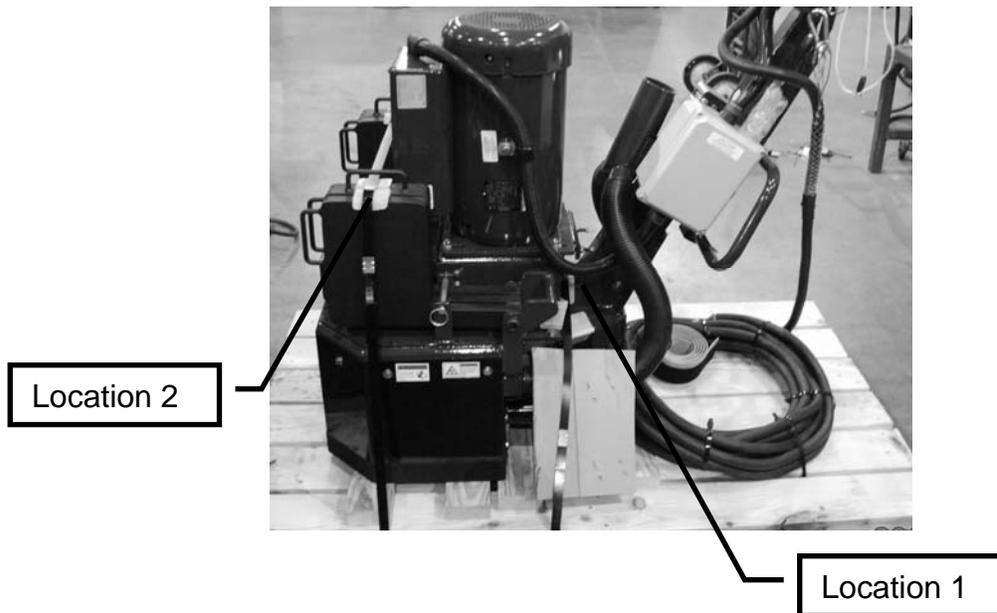
These lifting locations are also suitable as a fixing point for fastenings or tie-downs, during transportation of the machine on a vehicle.

Middle weight handle

4.4 TRANSPORT OF THE MACHINE WITH VEHICLE

When transporting the machine in a vehicle, always drive carefully and in a manner to avoid the machine shifting.

Secure the machine with a tightening load strap over the lower frame (location 1). Place another strap through both middle weight handles and tighten (location 2). Tighten down with the load straps to the body of the vehicle.



CONTENTS – SECTION 5

- 5.1 Preparation for initial operation
- 5.2 Initial operation

OPERATING MANUAL

5.1 PREPARATION FOR INITIAL OPERATION



Before start-up, all operating personnel must be familiar with the safety regulations given in this manual.

- Put the grinding machine and the dust collector onto the surface to be treated.
- Install the appropriate diamond tooling that is required for this particular process. Please read Section 7 Maintenance of this manual.
- Verify the power plug screws are tight and the plug is secure.



- Using the correct cables, connect the machine and the dust collector to the electrical source. These electric supply points should be protected and equipped with a GFI-switch. In case of doubt, ask the local safety officer.
- Check the extension cable for external damage.
- Check the dust hose for damage.
- Connect the grinding machine and the dust collector unit with the flexible dust hose.
- Make sure the dust bin of the dust collector unit is empty.



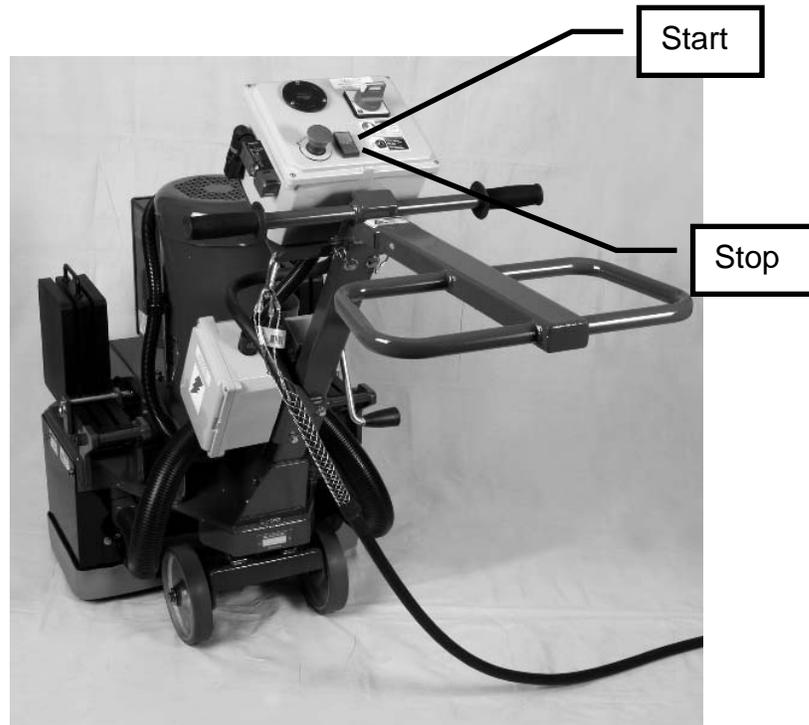
If problems with the BMGP-600 arise during the start-up, call a qualified person for help. Work on electrical equipment may only be undertaken by qualified personnel.



Any machine, if it is not used according to the regulations, may be hazardous to the operating, set-up and service personnel. The equipment owner is responsible for compliance with the safety regulations during operation and maintenance of safety devices supplied with the machine as well as the provision of appropriate additional safety devices.

5.2 INITIAL OPERATION

Select the appropriate tooling for your application. The Diamatic BMGP-600 has the capability to run two types of tools; either diamond/polishing plugs or tungsten carbide cutters. See Section 7 for changeover instructions and Section 10 for available tooling options.



Use the following sequence to start the machine:

Switching on the grinding machine:

- Press down on the handle to raise the tooling off the floor.
- Push the green start button on the operator control panel.
- Move the machine slowly side to side in a sweeping motion or forward and reverse, depending on the work space.

Switching off the grinding machine:

- Push the red off button on the operator control panel.

CONTENTS – SECTION 6

- 6.1 Pre-startup Inspections
- 6.2 Operation
- 6.3 Trouble shooting
- 6.4 Safety shutdown
- 6.5 Restarting after a fault
- 6.6 Proceedings- before and after a stationary period

OPERATING MANUAL

SECTION 6 OPERATION

6.1 PRE-STARTUP INSPECTIONS



These Operating Instructions are to be kept with the machine and must be within reach at all times.

Only trained personnel may be employed. Note the statutory minimum age. Specify clearly the responsibilities of personnel for operation, set up, service and maintenance work.

Make sure that only authorized personnel operate or work on the machine.



Regular inspection is necessary to prevent unplanned down time of your grinding machine. See Section 7.2 Maintenance.

Pay attention to following aspects during operation of the Diamatic BMGP-600.

Before beginning the grinding work, verify that all bolted connections are properly secured and tight.

Before switching the machine on, make sure that all guards are properly secured in place and the dust collector unit is correctly connected.

Handle all plugs, cables, hoses and operating elements carefully. Avoid contact with live wires.

Before grinding, clean the surface to be treated with a broom. There should not be any debris such as stones, cloths or standing liquid on the surface.

Any obstructions in the surface to be treated, like concrete reinforcing steel or other objects, should be removed from the work surface to prevent damage to the machine and tooling.



While using the dust collector unit, observe all local rules and regulations regarding waste disposal.



If there are doubts as to how to start up the machine, read Sections 5 of this operating manual.

Verify that the electric cable and dust hose are clear from vehicle traffic, such as forklifts and other equipment.

OPERATING MANUAL



6.2 OPERATION

Swing weights have been placed on the gear box to provide the user greater flexibility. Head weights can be used to provide pressure on the head, thereby enhancing productivity on hard surfaces. However, on softer surfaces the additional weight on the head is not required to achieve the desired productivity and the weights may be rotated backward to prevent the tooling from digging in to the surface.

Make sure that you have followed all instructions regarding connecting the machine to power and inspecting the floor area you will be working on for hidden dangers. Make sure that the machine is connected to an appropriate dust collection system and that the dust collector operation and connection instructions are followed.

Turn on the dust collector before operating the Diamatic BMGP-600 and ensure the required respiratory protection is being worn. Turn the dust collector on and make sure all of the hose connections are secure.

Make sure the machine is fully contacting the floor and none of the tools are dislodged from their holders. Hold on to the handle of the machine with one hand and with the other hand, press the motor start button.

Start and stop the machine once to check that all of the tools are secure in their holders and the operator controls are working correctly. Make sure the emergency stop button is operating correctly each time the machine is started.

If a tool becomes dislodged, you will hear a “clunk” noise and you must immediately stop the motor and re-install the tool. A smooth sound will result when the tools are properly in their holders. Grasp the handle of the machine with both hands and steady your stance to control the movement of the machine.

The proper method of operating the machine is to swing the machine from side to side in a sweeping motion, while pushing the machine in a forward or reverse direction. With this movement, the most productive pattern can be created allowing for greater production capacity and even coverage of the work area, as shown below.

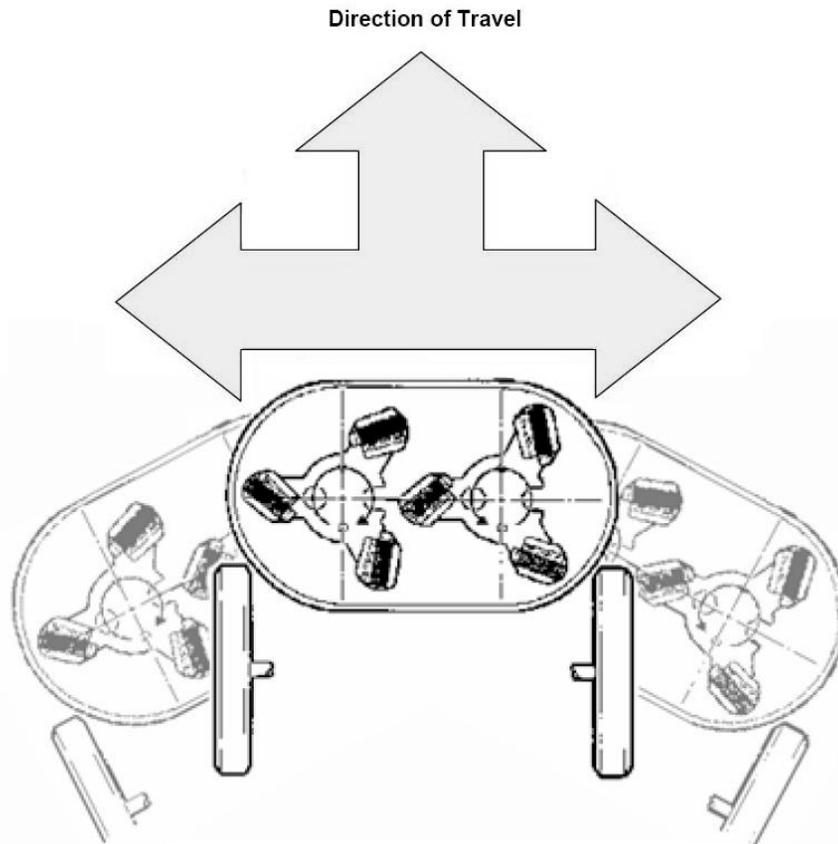


Figure 6.1 – Movement of Machine
Looking down through the top of the machine

If the machine is left running on one area of the floor too long, it will create a depression in the surface. This result is usually not desired and may require corrective repairs to those areas.

The Diamatic BMGP-600 has a unique floating head coupling system that follows the contours of the floor and attacks the high spots first. It is important to recognize that in order for the machine to remove materials from the low spots on

the floor, it must reduce the surrounding higher areas first. The sweeping side-to-side motion of the machine will help even out the floor.

The dust produced while diamond grinding will be collected as it is created using the POD technology equipped on this machine. This process leaves the surface of the floor virtually dust free as the grinder operates. This allows the operator to visually monitor the floor during the grinding process. It also eliminates the need for additional cleaning steps to remove dust after the grinding process is completed.

If the BMGP-600 begins to leave dust on the floor while grinding, **stop the machine** and check the dust collector, POD diamond plugs, and the POD rotating shroud and seals. Blockages or loss of seal in the dust collection path will result in poor removal of dust and an increased exposure to airborne dust.

If an inadequate dust collection system is used with the BMGP-600, the machine will also perform poorly. If non-POD tooling is used with this machine, the POD process will not work correctly and also cause poor dust collection performance. Only use certified © Diamatic N.A. components and consumables when operating this machine.

Do not force the machine. The machine will do a better and safer job when operated at the rate for which it was designed.

Do not force the machine or attachments to do the job of a larger machine. Do not use the machine for a purpose not intended.

See Table 6.1 for information regarding machine performance. It is important to note that these are only estimates and actual performance will depend upon the operator, equipment maintenance and the work surface.

Application	Sq. Ft. Per Hour	Diamond Size	Diamond Life sq.ft.	Surface Profile
New- Penetrating Sealer	600	25/30 or 50/60 B-seg	4000-6000	MEDIUM
Cure and Seal	400	25/30 or 50/60 B-seg	4000-6000	MEDIUM
Light Dirt and Grease	600	25/30 or 50/60 B-seg	4000-6000	MEDIUM
Heavy Dirt and Grease	500	25/30 or 50/60 B-seg	4000-6000	MEDIUM
Old, Worn Surface-Hvy Dt	300	25/30 or 50/60 B-seg	2000-4000	MEDIUM/COARSE
Tile Mastic Removal	300	25/30 or 50/60 B-seg	2000-4000	MEDIUM/COARSE
Urethane-5 Mil	300	25/30 or 50/60 B-seg	2000-4000	MEDIUM
Urethane-5-10 Mil	200	25/30 B-seg	2000-4000	COARSE
Urethane-Exceeds 10 Mil	150	PCD or 25/30 8 seg	1000-3000	MEDIUM/COARSE
Epoxy-Less than 10 Mil	300	25/30 or 50/60 B-seg	1000-4000	MEDIUM
Epoxy- 10-20 Mills	200	PCD or 25/30 8 seg	1000-3000	MEDIUM/COARSE
*Epoxy- 1/8 to 1/4 Top	25-75	PCD or 25/30 8 seg	200-800	COARSE
Grinding epoxy mortar	400	25/30 or 50/60 B-seg	1000-2000	MEDIUM
Carpet mastic	400	PCD or 25/30 8 seg	1000-2000	MEDIUM/COARSE

Table 6. 1 - Performance Chart

The production rates posted may vary due to job site variations. We do not guarantee these rates. They are approximate rates and should be used accordingly.

* Due to geographic differences in concrete composition, tool life will vary accordingly. Certain areas of the country have a higher content of harder materials at the top of the surface.

** Variable grit sizes and matrix hardness available to suit job requirements.

*** Underlayment materials contain high amounts of sand, which will cause shorter diamond plug life.

SECTION 6 OPERATION

6.3 TROUBLE SHUTDOWN



In case of emergency or operating trouble, such as vibrations or loud noises, switch the machine off immediately by pushing the OFF button, E-stop or pull the lanyard on the operator control panel.

6.4 SAFETY SHUTDOWN



Before performing inspection or maintenance work make sure that all moving machine parts are stopped. Observe the Safety off position, Section 2.6.

The local safety regulations are valid in all cases regarding the operation of the machine and will always supersede any instructions provided in this manual.

6.5 RESTARTING AFTER A FAULT



The results of all electrical repair work must be verified using the appropriate measurement techniques per the regulations per the applicable guidelines. See also Section 5.0 Initial operation.

Review Sections 5 and 6 and repeat the necessary startup steps.

6.6 RECOMMENDED STORAGE PROCEDURE

Before a long stationary period:

If the Diamatic grinding machine will be out of action for a long period, prepare the equipment as follows:

- Clean the machine and cover it with a tarp.
- Protect the electric motors from moisture, heat, dust and impacts.
- Remove diamond tooling, if installed.
- Support machine to relieve pressure from tooling plates.
- Store the machine in a dry and secure location.
- Keep machine out of the reach of children or unqualified operators.

After a long stationary period:

- Check all belts for proper tension and re-tension, as necessary. See section 7 for instructions.
- Check bearings for proper rotation and fluid motion. Re-lubricate, if necessary, by adding grease via the grease zert on the bearing housings.
- Verify all safety equipment is still present and operational. Review the Section 2 for Safety reminders and Section 5 for the Initial Operation instructions.



CONTENTS – SECTION 7

- 7.1 Recommendations
- 7.2 Maintenance and inspection list
- 7.3 Repairing
- 7.4 Tooling Changeover
- 7.5 Other maintenance

OPERATING MANUAL

SECTION 7 MAINTENANCE

7.1 RECOMMENDATIONS



Prior to any repair work on the machine and its drives, secure the machine against unintentional activation. Put the machine in its safety off position. Section 2.6

Failures due to inadequate or incorrect maintenance may generate very high repair costs and potentially long periods of down time for the machine. Therefore, regular maintenance is required.

Operational safety and service life of the machine depend, among other things, on proper maintenance.

The table in section 7.2 shows recommended service intervals for normal use of the machine.

The time indications are based on uninterrupted operation. When the indicated number of working hours is not achieved during the corresponding period, the period can be extended. However, a full overhaul must be carried out at least once a year.

Due to different working conditions, inspection and maintenance intervals may vary. Prepare a suitable inspection schedule considering known working conditions and experience.

If you have any questions, please contact your Diamatic Customer Support at **1-800-256-3440**.



Follow additional operating and maintenance procedures of OEM parts, if included, during your service and maintenance work.

Pay attention to special notice given in instructions for electric-motors.

7.2 MAINTENANCE AND INSPECTION LIST

Operating hours/time period	Inspection points, and maintenance instructions
12 hours after repairing	Check the drive belt for proper tension, if removed during repair. Check all accessible screw connections for tightness.
Daily and prior to starting work	Verify all safety devices are present and working correctly. Check the power supply cable for damage. Check the dust collector hose for damage. Check tooling plates and remove any foreign material and debris. Check the tooling for wear. Check the tension of the V-belt, adjust as is required. Check the rubber dust seal.
After each use	Check the V-seal ring for damage Check the wear ring for groove depth. It should be flipped when the groove is 1/8" deep or if there is noticeable vacuum loss during use.
Quarterly	Clean the machine with a damp cloth.
Annually	Full overhaul and cleaning of the complete machine.



7.3 REPAIRING



As previously mentioned in Section 5.1 Initial operation, we recommend conducting initial repair work on the machine with the support of Diamatic personnel, by taking this advice, maintenance personnel get the opportunity to be trained by an expert on the machine.

If parts or components are to be replaced, the following sequence of maintenance must be followed.



It is advisable to stock all spare or wear parts that cannot be obtained quickly. As a rule, production standstill periods are more expensive than the cost for carrying the corresponding spare part.

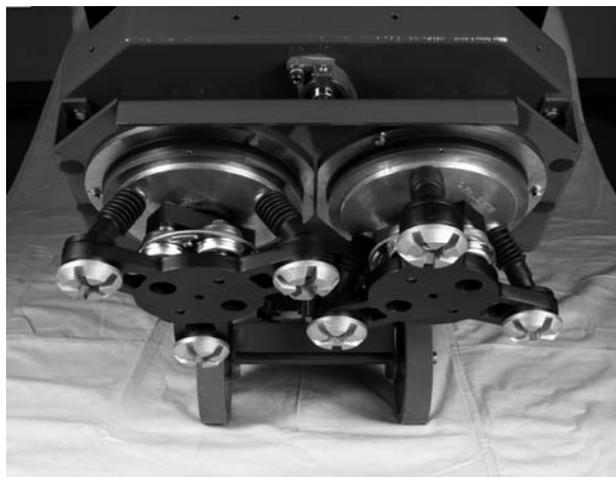
Screws or bolts that have been removed must be replaced with those of the same quality (strength, material) and design.



Prior to any repair work on the machine and its drives, secure the machine against unintentional activation. See Section 2.6.

Use of non-original replacement components or wear parts may void the machine warranty.

7.4 TOOLING CHANGEOVER



Diamond Plugs



Plug Style Polishing Dots

Plug Removal:

1. Make sure that the power supply is disconnected from the electrical power source per the Safety Off position described in Section 2.6.
2. Place the handle in the "Up" position.
3. Swing the weights to the rear position and secure in place.
4. Tilt the machine back so that the handle rests on the ground and tooling is exposed.
5. Make sure the machine is secure and cannot fall back on the head.
6. Using a hammer, hit the bottom of the tooling plates to dislodge the tools from the plate.
7. The tools should fall out.

Plug Installation:

8. Clean out the tooling holes to remove remaining dust.
9. If replacing the tooling with used plugs, notice the (add photo) tail and install so that the tail follows the direction.
10. Insert into the holes and slightly twist until it tightens.

SECTION 7 MAINTENANCE

7.5 OTHER MAINTENANCE

Check the seals for wear, and replace them when they no longer provide a good seal against dust emissions from the machine.

Check the wear rings for deep grooves. You may flip them over and use the other side before replacement. It is recommended that you place an order for replacements when you do flip to use the second side. Note: If the grooves are too deep, you should notice a decrease in your dust collection performance.

Clean the machine with a damp cloth.



Do not use high pressure water for cleaning the machine!

Use of non-original replacement components or wear parts may void the machine warranty.

CONTENTS – SECTION 8

- 8.1 Directions for electrical engineering
- 8.2 Electrical schematic
- 8.3 Electrical box layout
- 8.4 Electrical component listing

OPERATING MANUAL



8.1 DIRECTIONS FOR ELECTRICAL ENGINEERING



Work on electrical equipment or operating materials may only be performed 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.

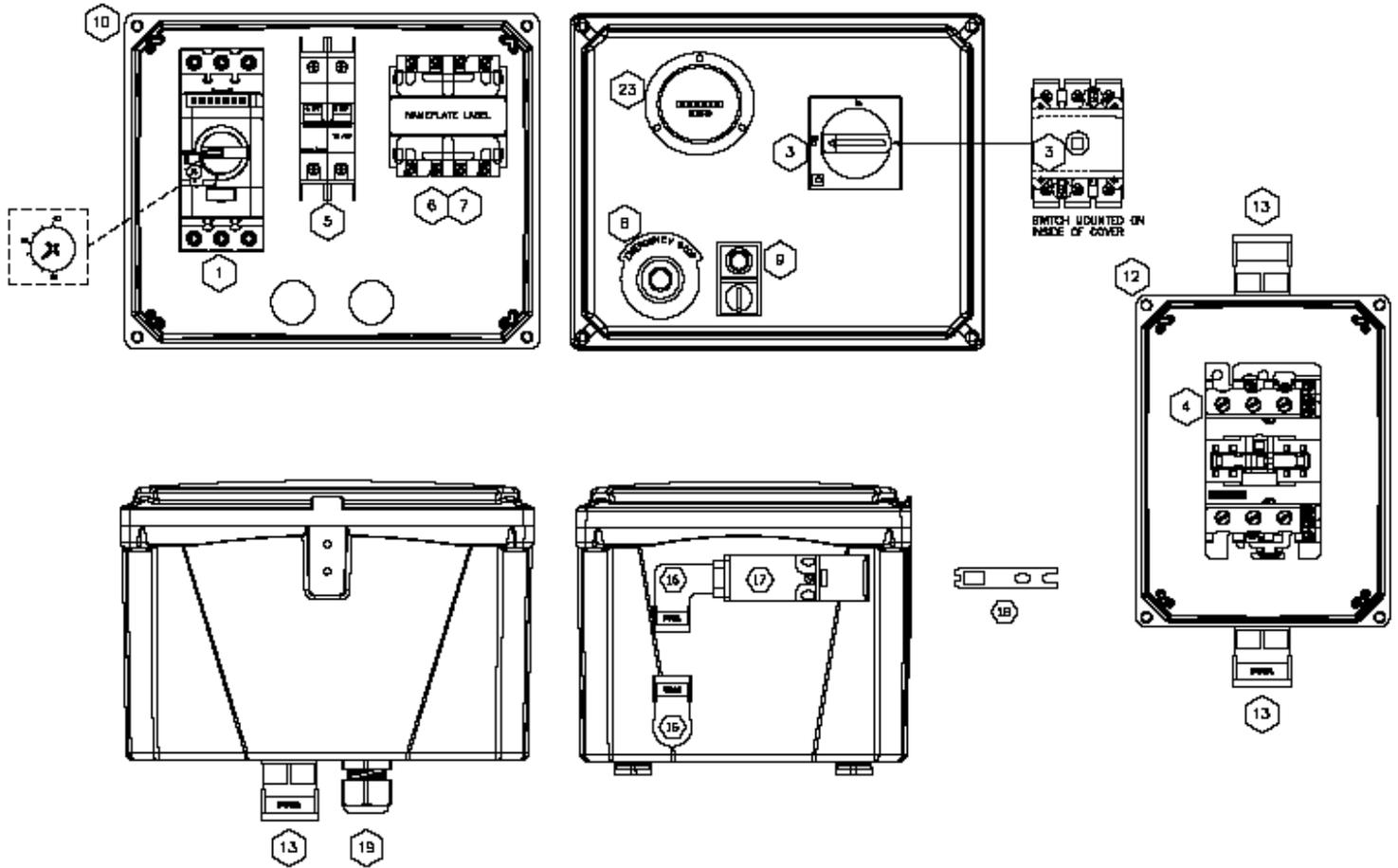


To identify electrical components refer to the electrical schematics in Section 8.2 or call a Diamatic service center.



The results of all electrical repair work must be verified using the appropriate measurement techniques per the applicable U.S. guidelines. See also Section 5.2 Initial operation.

8.3 ELECTRICAL BOX LAYOUT



8.4 ELECTRICAL COMPONENT LISTING

ITEM NO	QTY	DIAMATIC PN	DESCRIPTION
1	1	P004906	MOTOR PROTECTOR
2	1	P004781	MOTOR PROTECTOR, AUX CONTACT
3	1	P004946	SWITCH KIT
4	1	P004951	CONTACTOR
5	1	P002024	CIRCUIT BREAKER, 1.0 AMP, TWO POLE, UL489
6	1	P004926	TRANSFORMER CONTROL
7	1	P004576	TRANSFORMER TERMINAL COVER
8	1	P005003	SWITCH
9	1	P005005	SWITCH
10	1	P004587	ENCLOSURE
11	1	P004588	ALUMINUM BACKPANEL FOR ENCLOSURE
12	1	P004248	ENCLOSURE
13	3	P001046	CONNECTOR, 3/4" STRAIGHT
14	3	P001041	CONDUIT FLEX, 3/4"
15	1	P001047	CONNECTOR, 3/4" 90 DEG ELBOW
16	2	P002208	CONNECTOR, 1/2" 90 DEG ELBOW
17	1	P004790	SAFETY SWITCH, DEADMAN, WITH CORD GRIP
18	1	P004791	SAFETY SWITCH, DEADMAN, KEY W/ TETHER AND CLIP
19	1	P004568	CORD GRIP w/ LOCKNUT
20	55	P005008	WIRE, 8 AWG/3 CONDUCTOR, TYPE W CABLE
21	1	P002231	STRAIN RELIEF
22	1	P000329	LINK, QUICK, 5/16, CLIP CLOSURE
23	1	P004989	HOUR METER

CONTENTS – SECTION 9

- 9.1 Troubleshooting - grinding machine
- 9.2 Troubleshooting - electrical system

OPERATING MANUAL



SECTION 9 FAULT DIAGNOSIS

9.1 TROUBLESHOOTING – GRINDING MACHINE



Prior to any repair work on the machine or its drives, the machine must be secured against unintentional activation. Put the machine in its Safety off position. See section 2.6.

Fault	Possible Cause	Remedy
Excessive vibration	Imbalance due to worn or broken grinding tools.	Replace all worn or broken parts.
	Belt is too tight.	Release the tension of the belt.
	Improperly matched diamond tooling.	Install diamond tooling that has consistent wear.
Unusual noises	Defective bearing.	Check the bearing on the axle drive shaft and replace if necessary.
	Wrong tension of the drive belt.	Check the tension of the drive belt, replace if necessary.
	Defective motor bearing.	Change the motor.
Reduced or no grinding performance	Grinding tools have reached the maximum permissible wear.	Replace the worn parts.
	Inappropriate grinding tool for the application.	Replace the grinding tools with appropriate grinding tools for the surface to be treated.
	Too low tension of the drive belt.	Re-tension the drive belt.



Reduced dust extraction	Diamond tooling worn and dust path reduced or blocked.	Replace diamond tooling.
	POD seal is worn or damaged.	Replace seal.
	Dust collector is full	Dump the dust bin.
	Hose kinked, damaged or obstructed	Inspect hose and replace if necessary.
	Hose not properly connected	Ensure securely attached.
	Dust collector filters are saturated with dust.	Clean or replace, as necessary.
Machine pulls to one side	POD rotating shroud hoses have become damaged or disconnected.	Replace or reconnect, as appropriate.
	Improperly matched diamond tooling.	Install diamond tooling that has consistent wear.

SECTION 9 FAULT DIAGNOSIS

9.2 TROUBLESHOOTING – ELECTRICAL SYSTEM



Work on electrical equipment or operating materials may only be performed 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.



Prior to any repair work on the machine or its drives, the machine must be secured against unintentional activation. Put the machine in its Safety off position. See section 26.

Fault	Possible Cause	Remedy
Motor does not switch on	E-stop not release	Reset E-Stop
	Lanyard not attached or installed	Install the lanyard.
	Defective Component	Troubleshoot and replace defective component.
Motor turns off while running	GFCI device tripped	Reset GFCI device and retry. If device trips again, determine cause and replace.
	Motor protection switch triggered because of overload.	Reduce additional load or increase extension cord wire size.
	Motor protector switch tripped because of low or under voltage condition.	Check extension cord size, verify proper connection to power source.
	Motor defective.	Have motor checked by a trained professional to confirm.
	Lanyard pulled out	Check the lanyard connection.

CONTENTS – SECTION 10

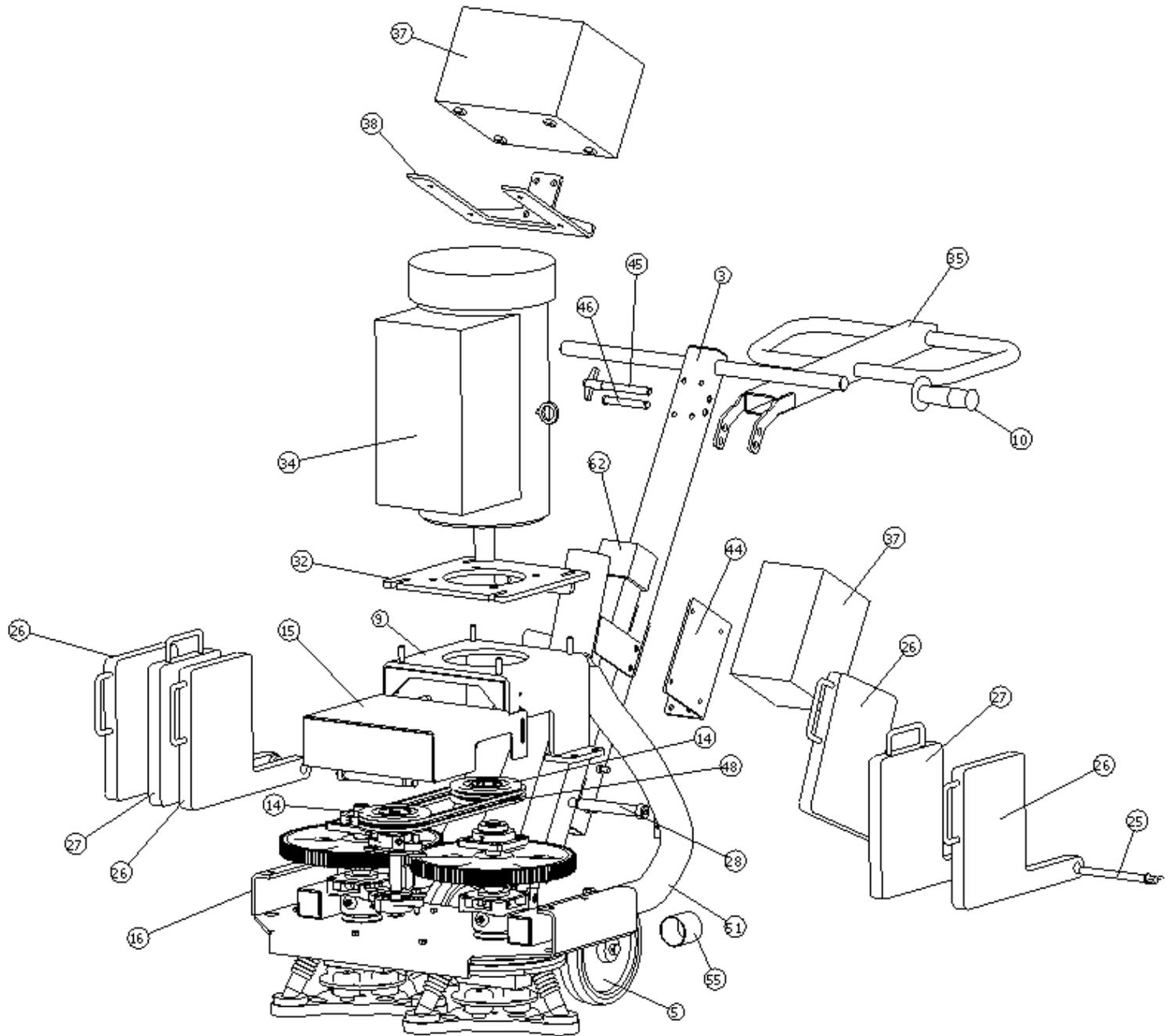
10.1 Spares Parts - BMGP-600

10.2 Tooling Available - BMGP-600

OPERATING MANUAL



10.1 SPARE PARTS - BMGP-600

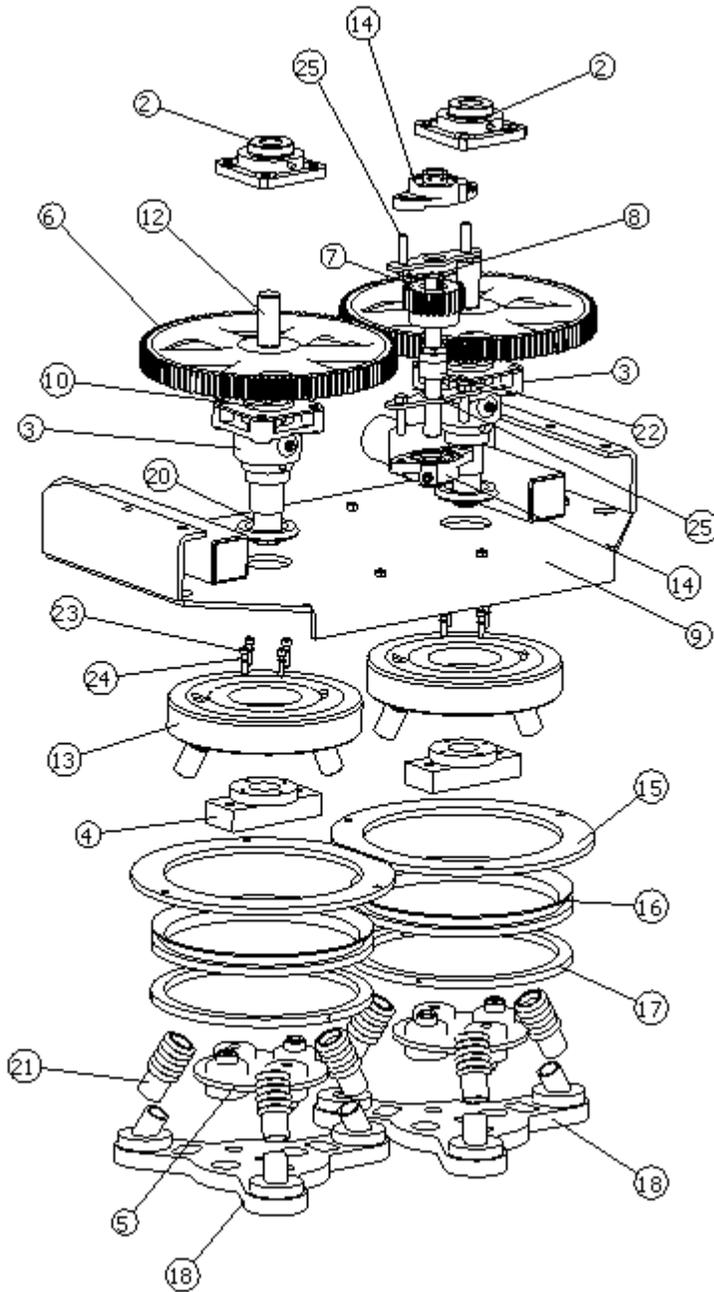


OPERATING MANUAL



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	PG-10134	WELD, GEARBOX/CHASSIS	1
2	CP-10024	BEARING D-LOK 1"	2
3	PG-10287	HANDLE WELDMENT / UPRIGHT	1
4	PG-10159	WELDMENT, WHEEL MOUNT	1
5	P004442	WHEEL ASM	2
6	CP-10128	BEARING TYPE E 1-1/4"	2
7	PG-10091	WELDMENT, TOOL ADAPTER	2
8	P001428	COUPLING MORFLEX	2
9	PG-10152	WELD, MOTOR MOUNT	1
10	P004024	HANDLE GRIP	2
11	P003968	SPUR GEAR DRIVEN	2
12	P004527	SPUR GEAR DRIVE	1
13	PA-10431	SHAFT, DRIVE	1
14	6150020	SHEAVE	2
15	PG-10153	WELD, BELT GUARD	1
16	PG-10135	WELD, AIR PLENUM	1
17	CP-10118	OIL SEAL 1.25"	2
18	PA-10426	PLATE, SEAL RETAINER	2
19	PA-10667	SHAFT, HEAD	2
20	CP-10119	SHOULDER BOLT 1/2 X 5/8	2
21	PA-10683	LINKAGE TUBE	1
22	P004451	SHOULDER BOLT 3/8 X 1-1/2	1
23	PA-10678	PL, MAIN SHROUD	1
24	PG-10294	SHROUD WELDMENT	1
25	CP-10126	QUICK RELEASE PIN 1/2 X 5	2
26	PG-10164	WELDMENT, WEIGHT 1	4
27	PG-10165	WELDMENT, WEIGHT 2	2
28	CP-10125	SHOULDER SCREW 3/4" X 5"	2
29	PA-10831	SHROUD, ALUMINUM POD	2
30	6300022	BUSHING TAPERLOCK 1610 3/4"	1
31	6300029	BUSHING TAPERLOCK 1610 - 1-3/8"	1
32	PA-10709	PL, C-FACE MOTOR TAKE-UP	1
33	2055710	BEARING 2B FLG 3/4"	2
34	CP-10140	MOTOR/7.5HP, 208/230V, 1PH	1
35	PG-10288	SWING HANDLE WELDMENT	1

36	PG-10289	Y-SPLITTER / LONG	1
37	P004982	PANEL/ELEC. CONTROL	1
38	PA-10846	ELECTRICAL PANEL MOUNT V2	1
39	PA-10860	WEAR RING / V-SEAL	2
40	CP-10146	SEAL / V-RING	2
41	PA-10861	RETAINER / V-SEAL	2
42	PG-10156	TOOL HOLDER WELDMENT	2
43	PA-10859	ALUM DUST TUBE / SHROUD	6
44	PA-10847	PLATE / SMALL PANEL BENT	1
45	CP-10259	PIN / QUICK RELEASE 1/2 X 3-1/2	1
46	CP-10260	PIN / CLEVIS 1/2 DIA X 3-1/2 LONG	1
47	P004449	BOLT/1/2" X 3" SHOULDER	2
48	CP-10127	V-BELT/3VX-400	2
49	CP-10254	SEAL, ROTARY SHAFT RING, 2-1/4" SHAFT DIA	2
50	P004427-P	CRUSHPROOF TUBE 1"DIA X 3" LENGTH	6
51	P004438	HOSE/FLEX 2" ID 27" LONG BLACK	2
52	P004628	BUSHING, TRANTORQUE, 3/4"	1
53	P004512	2" VELCRO ADHESIVE BACKED (HOOK)	1
54	P004492	HOUSING SEAL/NATURAL GUM RUBBER	1
55	PA-10890	CAP / ROUND VINYL 2" I.D., 2" HEIGHT	2
56	CP-10264	1" DIA. LOCKING HOLE PLUG / PLASTIC	6
57	05-96520	1/4"-20 X 1" SOCKET HEAD CAP SCREW	8
58	05-96516	1/4" HIGH COLLAR LOCK WASHER	8
59	CP-10121	PLATE/SERIAL NUMBER DIAMATIC ALUM 3" X 1.5"	1
60	P004450	SHOULDER BOLT 1/2 X 2-1/4	1
61	PG-10316	BEARING SUPPORT ASSEMBLY	2
62	P004448	TRAILOR JACK	1



Item No.	Part Number	Description	Qty
1	PG-10134	WELD, GEARBOX/CHASSIS	1
2	CP-10024	BEARING D-LOK 1"	2
3	CP-10128	BEARING TYPE E 1-1/4"	2
4	PG-10091	WELDMENT, TOOL ADAPTER	2
5	P001428	COUPLING MORFLEX	2
6	P003968	SPUR GEAR DRIVEN	2
7	P004527	SPUR GEAR DRIVE	1
8	PA-10431	SHAFT, DRIVE	1
9	PG-10135	WELD, AIR PLENUM	1
10	CP-10118	OIL SEAL 1.25"	2
11	PA-10426	PLATE, SEAL RETAINER	2
12	PA-10667	SHAFT, HEAD	2
13	PA-10831	SHROUD, ALUMINUM POD	2
14	2055710	BEARING 2B FLG 3/4"	2
15	PA-10860	WEAR RING / V-SEAL	2
16	CP-10146	SEAL / V-RING	2
17	PA-10861	RETAINER / V-SEAL	2
18	PG-10156	TOOL HOLDER WELDMENT	2
19	PA-10859	ALUM DUST TUBE / SHROUD	6
20	CP-10254	SEAL, ROTARY SHAFT RING, 2-1/4" SHAFT DIA	2
21	P004427-P	CRUSHPROOF TUBE 1"DIA X 3" LENGTH	6
22	P004628	BUSHING, TRANTORQUE, 3/4"	1
23	05-96520	1/4"-20 X 1" SOCKET HEAD CAP SCREW	8
24	05-96516	1/4" HIGH COLLAR LOCK WASHER	8
25	PG-10316	BEARING SUPPORT ASSEMBLY	2

10.2 TOOLING AVAILABLE - BMGP-600

DIAMONDS	
DP3-BSDPOD2530	PLUG/3" BEVELED 5 SEG POD DIA.
DP3-BSDPOD5060	PLUG/3" BEVELED 5 SEG POD DIA.
DP3-BSDPOD80100	PLUG/3" BEVELED 5 SEG POD DIA.
DP3-BSDPOD2530H	PLUG/3" 5 SEG POD BEV 25/30 GRIT HARD
DP3-BSDPOD5060H	PLUG/3" 5 SEG POD BEV 50/60 GRIT HARD
DP3-BSDPOD80100H	PLUG/3" 5 SEG POD BEV 80/100 GRIT HARD
DP3-BSDPOD2530S	PLUG/3" 5 SEG POD BEV 25/30 GRIT SOFT
DP3-BSDPOD5060S	PLUG/3" 5 SEG POD BEV 50/60 GRIT SOFT
DP3-BSDPOD80100S	PLUG/3" 5 SEG POD BEV 80/100 GRIT SOFT
DP3-POD52530	PLUG/3", 5 SEG POD DIAMOND 25/30 GRIT
DP3-POD52530H	PLUG/3" 5 SEG POD (BLUE) HARD BOND
DP3-POD52530S	PLUG/3" 5 SEG POD (BLUE) SOFT BOND
DP3-POD82530	PLUG/3", 8 SEG POD DIAMOND 25/30 GRIT
DP25-BSDPOD2530	PLUG/2.5" 6 SEG BEVELED 25/30 GRIT
DP25-BSDPOD5060	PLUG/2.5" 6 SEG BEVELED 50/60 GRIT
DP25-BSDPOD80100	PLUG/2.5" 6 SEG BEVELED 80/100 GRIT
DP25-BSDPOD140170	PLUG/2.5" 6 SEG BEVELED 140/170 GRIT

RESINS	
BG200401-P	CONCRETE RESINS MIXBOND - BLACK (100)
BG200402-P	CONCRETE RESINS MIXBOND - BLUE (200)
BG200403-P	CONCRETE RESINS MIXBOND - RED (400)
BG200982-P	DRY POLISHING RESIN - BLACK (100 GRIT)
BG200983-P	DRY POLISHING RESIN - BLUE (200 GRIT)
BG200984-P	DRY POLISHING RESIN - RED (400 GRIT)
BG200985-P	DRY POLISHING RESIN - WHITE (800 GRIT)
BG200986-P	DRY POLISHING RESIN - YELLOW (1500 GRIT)
BG200987-P	DRY POLISHING RESIN - GREEN (3000 GRIT)

OTHER	
P003853	SLICER KIT

To find out more about these blades and/or to place an order, contact our Diamatic Customer Service Center at **1-800-256-3440**.

