

POLISHING BENCH – User manual

7324-SPB-84S1



7324-SPB-84S2



CONTENTS

1. INTRODUCTION	2
2. SAFETY INSTRUCTIONS	3
3. TECHNICAL DATA	4
3.1 TECHNICAL INFORMATIONS	4
3.2 DEVICE SUMMARY	4
3.3 BOX CONTENTS	5
4. BEFORE RUNNING	5
5. USAGE	6
5.1 LIGHTING	7
5.2 VACUUM SYSTEM	7
5.3 POLISHING MOTOR	8
5.4 FILTER SYSTEM	8
5.4.1 ASSEMBLING OF FILTER SYSTEM	8
5.4.2 CLEANING FILTER SYSTEM	9
5.5 SAFETY INSTRUCTIONS	10
5.5.1 SAFETY COVERS	10
5.5.2 EMERGENCY STOP BUTTON	11
5.5.3 EMERGENCY FOOT PEDAL	
6. DISPOSAL INSTRUCTIONS	11
7. SPARE PARTS	12

1. INTRODUCTION

This POLISHING MACHINE is a product which has superior technical features and superior differences in many points compared to other devices. Its state-of-the-art touch screen, ergonomic design and easier use make the device stand out.

You can give your own details to the parts by polishing, brushing, dulling and sanding. Resealable cap and removable plexiglass cover provide to user a safe working area. The reinforced vacuum motor ensures high suction.

If you use this POLISHING BENCH all operations that requires polishing / brushing technique can be done under professional conditions. When used the device correctly, it guarantees high performance, reliable working area and long-term use. We would like to congratulate you for purchasing this high-technology product.

Important points to be considered during use;

Please read all the safety instructions carefully before running the device and the follow safety requirements. Maintain and clean the device regularly for long-term and safe use. Please keep this user manual at a location which is close to device and always reachable. Safety instructions will make easier to use the device and help to prevent damages.



BERGEON SA
Allée des Défricheurs 4a
CH - 2300 La Chaux-de-Fonds

+41 32 933 60 00
info@bergeon.ch
www.bergeon.ch

2. SAFETY INSTRUCTIONS

This device is manufactured according to recognized safety regulations. However, it may cause life-threatening or physical damage during use.

Therefore, please observe the following safety instructions.

- 1) Use the device in a safe manner and aware of the possible dangers and in accordance with the instructions for use! You do not have the right to demand guarantees in case of wrong use.
- 2) Before running the device, check the information on the metal label which is you will find on the back of the device. The device must be connected to 230 V mains input.
- 3) In case of failures which may have adverse effects for your safety, please contact to manufacturer company immediately and ask to repair; otherwise, the device will be out of warranty.
- 4) This device can be used with equipment which is suitable for the intended purpose. In case of operation with an equipment not suitable for use, our company is not responsible for any damages.
- 5) The user must read the operating instructions and the safety instructions carefully before running the machine.
- 6) Do not wear hanging clothes and accessories such as necklaces, ties while using the device. Hanging clothing can be caught in the swivel mechanism and cause serious injury. Persons who has long hair should wear a suitable cap during use.
- 7) Protect the connection cables against heat and sharp edges and use them in a way that will not be damaged. Pull the plug if the device is not used. Also, unplug the power cord before run the device, before changing equipment or before repairing. Product contact with the socket must be cut off by holding the plug part. Do not pull the plug by the cable. Make sure all connections are correct and check the electrical current in the cable extension before use.
- 8) Keep the device away from humid area. Never use near flammable materials.
- 9) The device is not suitable for use with wet materials.
- 10) Do not exceed the capacity of the device. Do not use the device longer than the recommended time and clean it carefully after running.
- 11) In the event of a malfunction, unplug the device and contact the manufacturer immediately.
- 12) Always wear glasses during use
- 13) The spare parts must comply with the requirements specified by the manufacturer. Only devices evaluated under warranty if using original parts of BADECO.
- 14) The device can only be used by trained person. Please pay attention to permitted minimum working age.
- 15) In addition to the operating instructions, follow the legal safety regulations for accident prevention and environmental protection.
- 16) Keep the user manual.

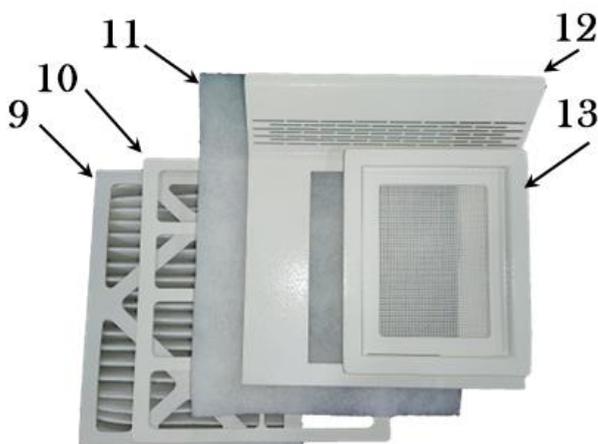


3. TECHNICAL DATA

3.1 TECHNICAL INFORMATION

Product n°	7324-SPB-84S1	7324-SPB-84S2
Motor supply	230 V / 50 Hz	230 V / 50 Hz
Motor power	0,65 kW (650W)	0,65 kW (650W)
Speed (RPM)	100-3000 adjustable	100-3000 adjustable
Vacuum	750 m3	2x 750 m3
Lighting	4 x 9 LED's - 1600 Lumen	2x (4 x 9) LED's - 1600 Lumen
Brush diameter	160 mm max	2x 160 mm max
Device dimension	460 mm (L) x 370 mm (W) x 460 mm (H)	680 mm (L) x 390 mm (W) x 460 mm (H)
Packaging	560 mm (L) x 465 mm (W) x 565 mm (H)	795 mm (L) x 485 mm (W) x 565 mm (H)
Net weight	30 kg	45 kg
Gross weight	34 kg	48 kg

3.2 DEVICE SUMMARY



- 1) LED Lighting
- 2) Plexiglas Face Protection
- 3) Safety Cover
- 4) Touch Screen
- 5) Tapered Polishing Adaptor
- 6) Handle
- 7) Safety Sensor
- 8) Power Socket
- 9) Cartridge Filter
- 10) Filter Support Plate
- 11) Fiber Filter
- 12) Filter Cover Plate
- 13) Vacuum Grid

3.3 BOX CONTENTS

7324-SPB-84S1 & 7324-SPB-84S2 Polishing Bench

1 x Electric Cord

1 x Tapered Polishing Adaptor Right Right helix, spindle dia. Φ 14 mm

1 x Face Protection (2x for S2) Plexiglas transparent

1 x Vacuum Grid (2x for S2) Painted Metal

1 x Filter Cover Plate (2x for S2) Painted Metal

2 x Fiber Filter (4x for S2) Dimensions: 265 x 190 x 16 mm

1 x Filter Protection Plate (2x for S2) Painted Metal

2x Z- Line Cartridge Filter (4x for S2) High performance G4 Filter Cartridge, Dimensions: 258 x 176 x 48 mm

Note: All of the above items are mounted on the device except Z-Line Cartridge Filters and Fiber Filters.

4. BEFORE RUNNING

Before unpacking the product, please check the packaging for external damage. After checking, open the package and remove the protective materials. First, remove accessories which is positioned on the machine.

Accessories:

- Fiber Filter
- Cartridge Filter
- Mains Cable

Then take out the device carefully by lifting from handles which are located at the sides of the device and remove the protective materials from the bottom. Keep the original package.

Check the device and the accessory for possible damage. If a damage has occurred during transportation, please contact the carrier immediately and file a damage report. Otherwise, compensation claims shall be discharged.



ATTENTION! Please make sure that the plug is unplugged when assembling the device and changing polishing equipment.

Remove the protective film from the stainless panel.

Connect the power cord into the socket which you will see at the rear side of the device and plug in.

Then turn the switch to the "I" position.



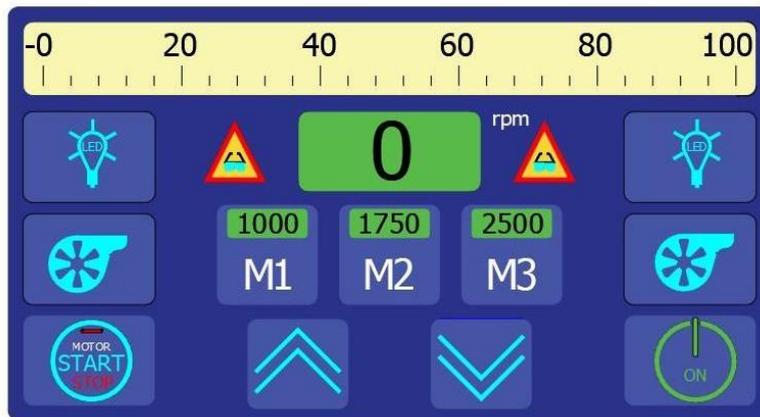


WARNING! Protect the connection cables against extreme temperatures and sharp edges and use them in a way that will not be damaged. When using cable extensions, make sure all connections are correct and check the electrical current before plugging in.

The device is ready to use.

5. USAGE

Check if the power cord is plugged in. Make sure the switch next to the socket is set to the "I" position. Before running the device, please check the touch screen and recognize the device.



Turn on/off motor.



Increasing the speed of motor, when held down speed continuously increase.



Decreasing the speed of motor, when held down speed continuously decrease.



Speedometer.



Activating or deactivating vacuum motors.



Spindle Pressure Indicator up to 100%



3 Speed save memories. You can save speed when you press 3 second on M1/M2/M3.



Activating or deactivating lightings.



Stops all active operating functions including motor.

If you do not adjust the desired speed to the memory, the motor starts at 300 Rpm. To adjust desired speed, touch the speed icon and hold your finger for 3 seconds on it. A star will appear as shown in the image on the right.

Once you set the motor will always start at the desired speed.

You can adjust the speed of the Polishing Motor to work between 300-3000 RPM with precision of 10 RPM.

The color of the icons on the touch screen will change according to the active-passive status of the device functions.

5.1 LIGHTING

The lighting system consists of 4 x 9 high-power LED lights. It has a capacity of 1600 lumens of light, which perfectly illuminates the working area of the polishing device and does not include glare. With this comfortable light, it is possible to work without straining the eyes.

You can turn on/off the lights by touching the  icons on touch screen control panel for each right and left side separately. When they activated, color of the icon will go brighter.

Lighting unit on the device is resistant against dust and dirt and it can be easily.



ATTENTION! Use a moisturized cleaning cloth for cleaning. Do not use abrasive solutions. Please wear protective glass to prevent potential damages.

It is possible to replace the cover if the face protection plate is damaged or if the cover is extremely scratched. This protective glass made of acrylic is available as spare parts from your dealer.

5.2 VACUUM SYSTEM

To operate the vacuum system, use the icon  on the touch screen that allows you to switch on/off the right and left vacuum motors separately.

When activated, color of the icon will go brighter.

The vacuum system is maintenance-free, running quietly and ensures long-lasting use.



**WARNING! Failures and damages can only repaired by manufacturer
Otherwise all warranty right will be lost.**

5.3 POLISHING MOTOR

This POLISHING MACHINE has the highest performance 0.65 kW electric motor in its class. The most important feature of the motor is its extremely quiet running. The motor is maintenance-free. Provides long-lasting trouble-free operation.



ATTENTION! The motor can heat up to 85 ° C during extended operation; this is normal, does not affect the power and life of the motor.



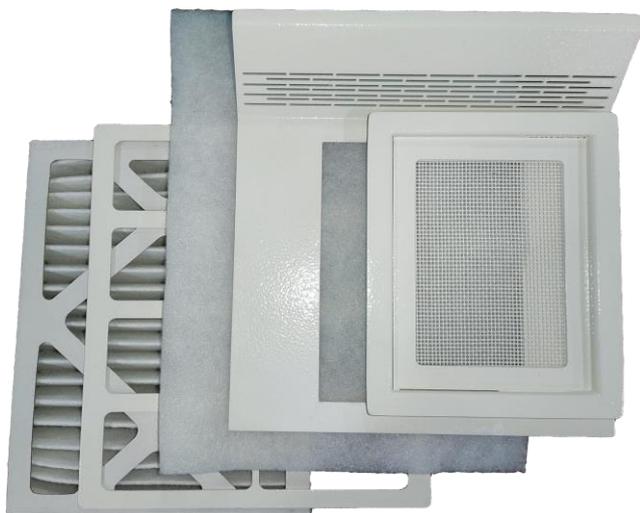
ATTENTION! The Polishing Motor will stop when the Safety Cover is opened to avoid a dangerous situation for the user. When the Safety Cover is closed, the Polishing Motor will not reactivate.



ATTENTION! Failures and damages may only be repaired by manufacturer. Otherwise, warranty and liability rights are lost.

5.4 FILTER SYSTEM

5.4.1 ASSEMBLING OF FILTER SYSTEM



We use a new brand and highly effective filter system in our device. This filter system enables to filter fine dust over 90%. Explanation of filter from left to right:

- | | |
|------------------------------------|---|
| 1) Z-line Filter | Complete board frame, folded filter with net layer, filter class G4, DIN EN779 |
| 2) Filter Support Plate | Metal plating, as intermediate layer and protection of filters |
| 3) Fiber Filter | Synthetic fiber acc. to DIN EN 779
Dimensions: 265 x 190 x 16 mm
Valuable metal wastes are collected here and can be shaken if necessary. |
| 4) Filter Cover Plate | Varnished from iron, little vacuum holes at the back, to filter coarse dust |
| 5) Vacuum Grid Filter Cover | to immediately filter coarse dust during vacuum |

Filter material is produced in accordance with current occupational safety and disposal regulations and meets relevant requirements.



Ensure that filters are placed correctly as shown on the picture above.

5.4.2 CLEANING FILTER SYSTEM

Remove vacuum grid (front filter). Then clean the dust and dirt which is accumulated on the surface.

Replace the grid in case of damage.

Put your fingers into the hole and remove the filter cover plate by pulling to front continuously. Clean this part from dirt and dust in the same way.

Remove fiber filter and clean it by shaking, vacuuming with vacuum cleaner, washing or replace according the degree of contamination.



ATTENTION! Do not squeeze the fiber filters after washing! Dry on a flat surface.

Remove the filter protection plate and clean if it is necessary.

Finally, remove the Z-line cartridge filter from the body and clean or replace it by flapping, vacuuming as needed.

Re-assembly should be done from bottom to the top; put first Z-Line cartridge filter and last vacuum grid. Please make sure that all parts are placed in the correct order.



ATTENTION! Infrequent cleaning of the filters or do not replace them on time may result in reduced suction in the vacuum system.



ATTENTION! Please note that the plug is unplugged during assembly, disassembly or replacement.

The filter material used is health-friendly, silicone-free, fully flammable, can be heated to 80 ° C, self-extinguishing according to DIN 53438 / F1, resistant to 100% relative humidity. Does not harm the environment.

5.5 SAFETY INSTRUCTIONS

5.5.1 SAFETY COVERS

When the cover is opened in any case, the device detects the opening of the cover or covers by its sensors and stops the Polishing Motor as a safety measure.

An icon appears on the Touch Screen to indicate that the Safety Covers are opened.

When the cover is closed, the polishing motor does not resume, it must be activated again from the touch control panel.



Safety Cover open



WARNING! The polishing motor stops when the safety cover is opened for any reason; Vacuum Motors and Lighting continue to operate.

When the Safety Covers are closed, the Polishing Motor does not continue to run, it must be restarted via the Touch Screen Control Panel.

5.5.2 EMERGENCY BUTTON

EMERGENCY STOP BUTTON is used to stop the device in case of danger. With the use of this button, the entire device is switched off.

The device can only be switched on again after the emergency stop button is unlocked. To unlock, turn the button in the direction of the arrow and return it to its original position



5.5.3 EMERGENCY FOOT PEDAL

An essential safety feature to prevent the machine from idling unattended. Once the pedal is connected to the rear of the machine, it is mandatory to press the pedal while working. If the pedal is released, the electro spindle will stop spontaneously. When the pedal is depressed, the spindle begins to rotate at the selected speed without having to press the buttons again. This device is essential security for multi-user workshops or schools.

The PC200SP allows you to stop the device in the event of danger, simply by removing your foot from the pedal. The engine stops. Ready to restart if pedal is depressed.

If the foot pedal is not connected, the polishing bench operates normally.



6. DISPOSAL

The Law on Electrical and Electronic Equipment (ElektroG) is also adapted to the principles of the WEEE European Directive 2002/96 / EG. In addition, BADECO is a company registered in environmental protection for many years and has registered its devices with awareness of responsibility every year. We endeavor to do the best to minimize recycling costs and to transfer the benefit resulting from it to our customers and society. Therefore, if you have to dispose of the device, do not dispose of it with your household waste, but hand it in at a point where scrap electronic devices are collected.

Thank you!



7. SPARE PARTS

POLISHING SPINDEL, LEFT
PART NO: 7324-SPB_84S_G150



POLISHING SPINDEL, RIGHT
PART NO: 7324-SPB_84S_G140



Cylindrical wheel arbor
Spindle Dia: Ø16 mm
Washer: Ø 68 mm (2x)
Brush width: 20-40 mm
PART NO: 7324-SPB_84S_G130



SYNTHETIC FIBER FILTER
PART NO: 7324-SPB_84S_G110



CARDBOARD CARTRIDGE WITH DOUBLE FILTER
PART NO: 7324-SPB_84S_G120



PLEXIGLASS PROTECTION GLASS
PART NO: 7324-SPB_84S_G100



SAFETY CONTACT PEDAL
PART NO: 7324-SPB_84S_PC200SP

