BRISTLE BLASTER®
ELECTRIC SINGLE

PREPARATION FROM SCRATCH

MONTIPOWER
Surface Preparation Technologies
Part of Monti Group

Figure 1

Overview Figure 1

1 Power cable
2 Air inlet
3 Dead man's switch
4 Vibration damping handle
5 Safety hook
6 Protective Cap
7 Accelerator Bar
8 Spindle
9 Torx wrench

Dear customer!

MontiPower® thanks you for the purchase of one of its products and invites you to read these operating instructions, which contain all the necessary information for the correct use of the tool. Please read these instructions carefully and follow the information contained herein. Please maintain the manual in good condition and keep it with the tool at all times. The contents of this manual may be changed without notice and without the implication of any additional obligations. It is prohibted to copy or translate any part of this manual without the prior written consent of the manufacturer.

Technical Data: Bristle Blaster® Electric (*1) Serial number**)**

These technical specifications apply equally to the 110 V - 240 V versions, whether these versions are 50 Hz or 60 Hz.

Specifications	Value Unit
Weight	3.0 kg | 6,6 lbs
Belt diameter (outer)	110 mm
Output	910 W
Idle speed (±5%)	2,400 rpm
Vibration	4 m/sec^2
Sound pressure level	< 80 dB(A)

CE

*2) 2014/30/EU, 2006/42/EC, 2011/65/EU
*3) EN 60745-1:2009+A11:2010, EN 60745-2-3:2011+A2:2013+A11:2014+A12:2014

Original instructions

1. Declaration of Conformity

We declare under our sole responsibility the Bristle Blaster®, identified by type and serial number *1), comply with all relevant requirements of EU Directives *2) and standards *3)

2. Specified Use

The machines, with original MontiPower® accessories, are intended for use in surface preparation, simultaneously cleaning and creating an achor profile.

The user bears sole responsibility for any damage caused by improper use. Generally accepted accident prevention regulations and the enclosed safety information must be observed.

3. General Safety Instructions

For your own protection and for the protection of your electrical tool, pay attention to all parts of the text that are marked with this symbol!
WARNING - Reading the operating instructions will reduce the risk of injury.

WARNING - Read all safety warnings and instructions. Failure to follow all safety warnings and instructions may result in electric shock, fire and/or serious injury.

Keep all safety instructions and information for future reference. Ensure that these documents are kept with the electrical tool at all times.

4. Special Safety Instructions

4.1 Safety Warnings Common for the use of Rotary Impact Tool Operations:

a) This power tool is intended to function as a Rotary Impact Tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow instructions may result in electric shock, fire and/or serious injury.

b) Only Rotary Impact Surface Preparation / Bristle Blasting operations shall be performed with this power tool. Operations for which the power tool was not designed may create a hazard and cause personal injury.

c. Only use MontiPower® Bristle Blaster® Belts and MontiPower® Adaptor Systems with this tool. Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool does not assure safe operation.

d) Do not use a damaged Bristle Blaster® Belt or Adaptor System, inspect before use.

e) After replacement of the Bristle Blaster® Belt, check Adaptor System for correct assembly.

f) After fitting accessories such as the Adaptor System and Bristle Blaster® Belt, always remove Allen key / Torx wrench. Always ensure the Allen key / Torx wrench is removed prior to switching on the tool.

g) When placing the tool on a bench or on the floor, the label must always point upward.

h) When not in use, disconnect the tool from the power supply and store in a suitable, dry place to prevent unintentional or unauthorized use.

i) Always hold the tool by the body and the vertical handle when in operation.

j) Use Bristle Blaster® Belt in the correct operating direction **(Figure 3)**.

k) The Bristle Blaster® Belt can produce sparks when machining hard surfaces.

l) If the tool suddenly feels different (level of vibration) or produces a different noise (pitch), the tool should be shut down immediately and the accessories such as the Adaptor System, Bristle Blaster® Belt checked for damage.

m) Wear personal protective equipment. Always use a face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause

hearing loss.

n) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond the immediate area of operation.

o) Hold power tool by insulated gripping surfaces only when performing an operation where the Bristle Blaster® Belt may contact hidden wiring or its own cord. The Bristle Blaster® Belt contacting a "live" wire may make exposed metal parts of the power tool "live" and could cause an electric shock.

p) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.

q) Do not run the power tool while carrying it at your side. Accidental contact with the spinning Bristle Blaster® Belt could snag your clothing, pulling the accessory into your body.

r) Regularly clean the power tool's air vents **(Figure 2).** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards. The air vent cap may be removed for cleaning, use non-metallic objects only.

s) Do not operate the power tool near flammable materials. Sparks could ignite these materials.

t) Do not use any liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

4.2 Kickback and Related Warnings

Kickback is a sudden reaction to a rotating wheel which can cause rapid stalling of the rotating Bristle Blaster® Belt which in turn causes the uncontrolled power tool to be forced in the direction opposite of the Bristle Blaster® Belt's rotation.

a) Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces if proper precautions are taken.

b) Never place your hand near the rotating Bristle Blaster® Belt. Accessory may kickback over your hand.

c) Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the Bristle Blaster® Belt's movement at the point of snagging.

d) Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the Bristle Blaster® Belt. Corners, sharp edges or bouncing have a tendency to snag the rotating Bristle Blaster® Belt and cause loss of control or kickback, damage to the Bristle Blaster® Belt and even breakage of the tooth belt.

e) Do not attach any other belt or belt Adaptor System than that provided by the manufacturer.

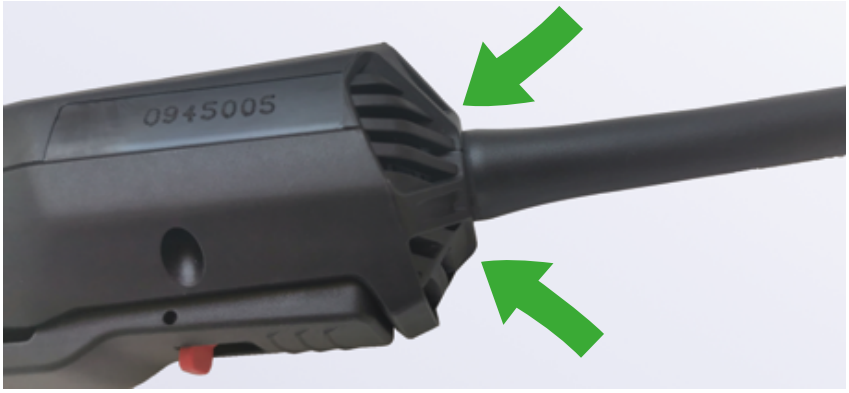


Figure 2

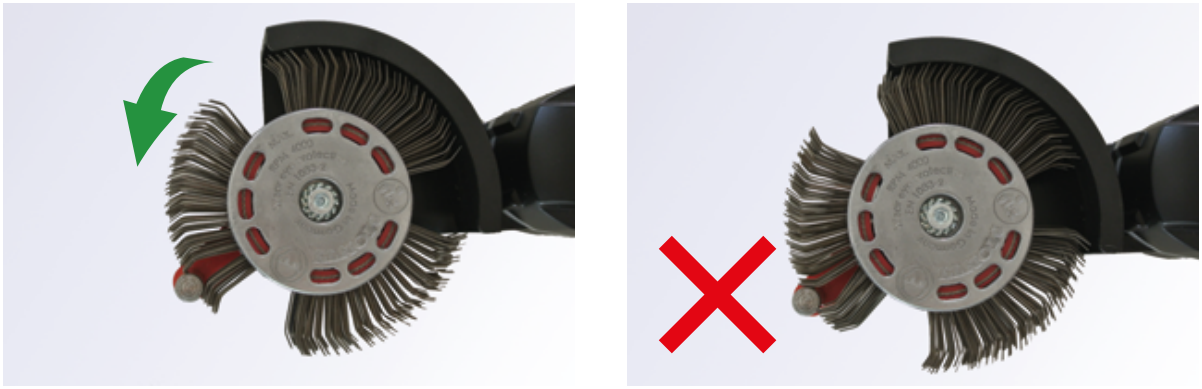


Figure 3

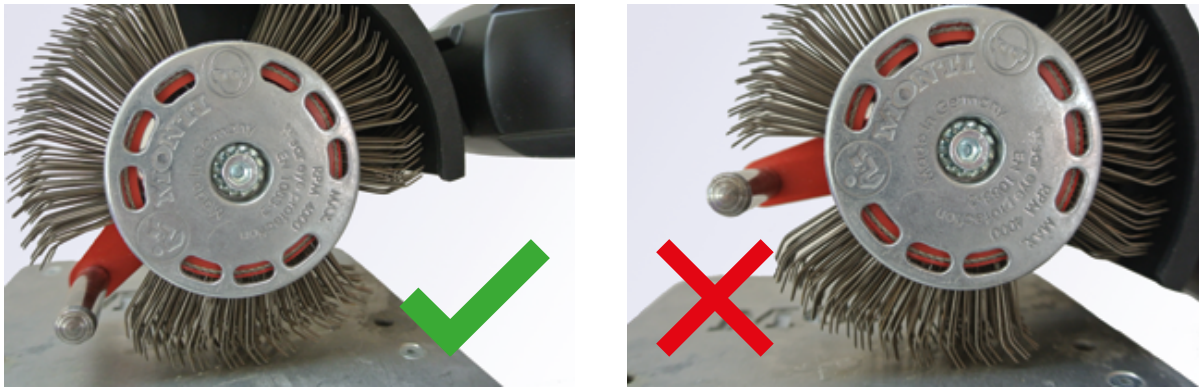


Figure 4

4.3 Additional Safety Instructions

WARNING – Always wear protective goggles.
- Accessories must be stored and handled with care in accordance with the manufacturer's instructions.
- The workpiece must lay flat and be secured against slipping, e.g. using clamps. Large workpieces must be sufficiently supported.
- We recommend connecting a residual current circuit-breaker (FI) upstream. When the tool is shut down via the FI circuit-breaker, it must be checked and cleaned. See Chapter 9 for more information on cleaning the motor.
- Damaged, eccentric or vibrating tools must not be used.
- Disconnect the tool from the mains power supply before making any adjustments, converting or servicing the machine.
- A damaged or cracked handle must be replaced. Never operate a machine with a defective handle.
- A damaged or cracked hand guard must be replaced. Never operate a machine with a defective protective cap.

Reducing dust exposure:

WARNING - Depending on the surface to be trearted, some dust created by the MontiPower® Bristle Blasting® process may contain chemicals known to cause cancer, birth defects or other reproductive harm. Examples of such chemicals could include:
- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

This also applies to dust from other materials such as some timber types (like oak or beech dust), metals and asbestos. It may also lead to allergic reactions and respiratory disease. Do not let dust enter the body.

Observe the relevant guidelines and national regulations for your material, staff, application and place of application (e.g. occupational health and safety regulations, disposal).

Collect the particles generated at the source and avoid deposits in the surrounding area. Use suitable accessories for special work to ensure fewer particles enter the environment in an uncontrolled manner.

Reduce dust exposure with the following measures:
- do not direct the escaping particles and the exhaust air stream at yourself or nearby persons or on dust deposits,
- use an extraction unit and/or air purifiers,

- ensure good ventilation of the workplace and keep clean using a vacuum cleaner as sweeping or blowing stirs up dust.
- vacuum or wash protective clothing. Do not blow, beat or brush.

5. Initial Operation

Before plugging in, check that the rated mains voltage and mains frequency, as stated on the rating label, match with your power supply.

Always install an RCD with a max. trip current of 30 mA upstream.

5.1 Attaching the Vibration Damping handle

Always work with the vibration damping handle (4) attached! Attach the handle on the top or bottom side of the machine, depending on working position, and secure. **See Figure 5.**

Figure 5

5.2 Attaching the Protective Cap

Always work with the Protective Cap (6) attached.

Installing:

Slide the Protective Cap (6) over the cams on the front end as shown below and secure by tightening the screw on the side.

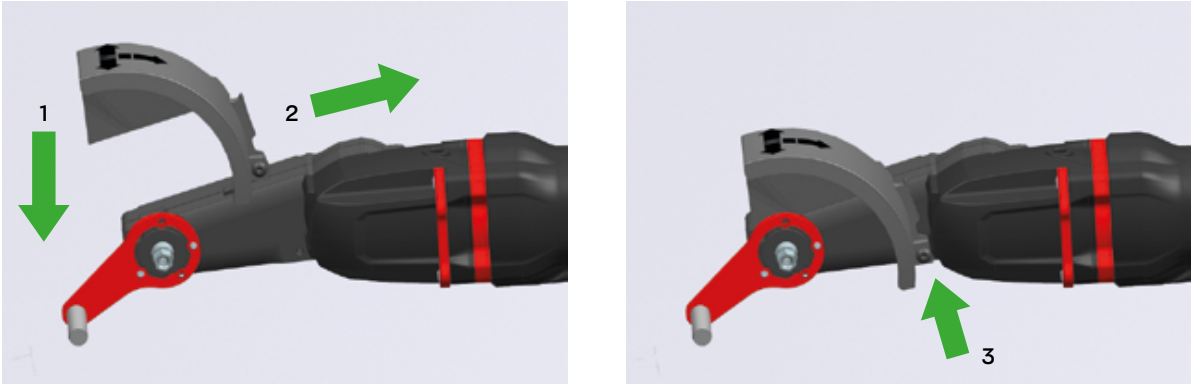


Figure 6

6. Fitting the Adaptor System & Bristle Blaster® Belt

Disconnect the tool from its power source before changing the belt or Adaptor System. The machine must be switched off and the spindle at a standstill.

6.1 Positioning the accessory

See Figure 7.

a) Fasten Bristle Blaster® Belt correctly to the tool using the MontiPower® Adaptor System (pay attention to rotation direction) and serrated lock washer and screw.

Figure 7

b) For Bristle Blaster® stainless steel belts, use only the stainless steel Accelerator Bar.

c) Before plugging in to operate the tool, you must check that it is possible to actuate the Dead man's switch correctly and that the switch returns to the "OFF" position when you release the pressure on the Dead man's switch.

d) To start the tool, release the safety clip by pushing it backwards and push the Dead man's switch **(Figure 8)**.

Figure 8

e) To stop the tool, simply release the pressure on the Dead man's switch. When plugging in, ensure the Dead man's switch is not activated **(Figure 9)**.

Figure 9

f) Hold the tool by the tool body and the vertical handle simltaneously.

g) To obtain the best performance, ensure the Accelerator Bar is maintained approximalely 10mm from the work surface. If the Accelerator Bar is too far from the surface, the performance will drop significantly. **See Figure 4**. For a more detailed description of the function of the Bristle Blaster® visit www.montipower.com.

h) Always work with appropriate contact pressure. Excessive contact pressure will limit the performance and cause damage to the MontiPower® Bristle Blaster® Belt and tooth belt.

7. Use

7.1 Setting speed

The rotating speed is preset and fixed at 2,400 rpm to ensure optimal performance. The VTC electronics make material-compatible work possible and an almost constant speed, even under load.

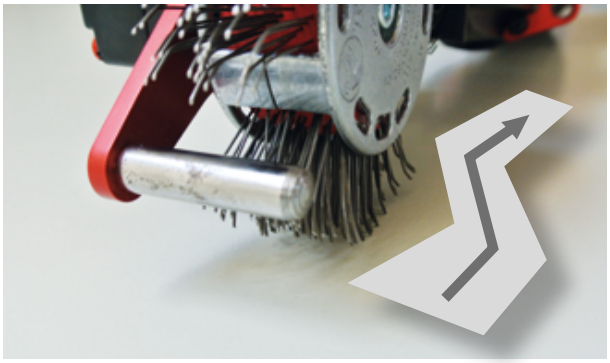
7.2 Switching On and Off

Always guide the machine with both hands.

Switch on first, then guide the accessory towards the workpiece.

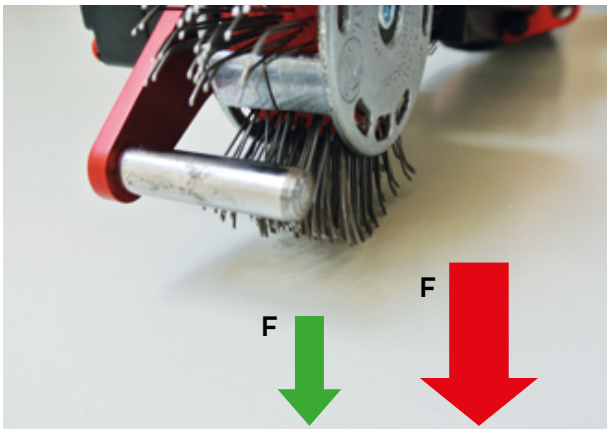
The machine must not be allowed to draw in additional dust and shavings. When switching the machine on and off, keep it away from dust deposits. After switching off the machine, only place it down when the motor has come to a standstill.

7.3 Working instructions



Press down lightly on the machine and move over the surface by making oscillating movements.

Correct direction of operation.



Less contact pressure = longer service life and higher performance.

Note that excessive pressure will lead to damaging the Bristle Blaster® Belt and even break of tooth belt.

8. Cleaning

To clean the motor, hold the tool firmly and blow compressed air through the rear ventilation slots regularly and thoroughly, **FIGURE 2**.

9. Troubleshooting

Mains powered machines:

- Overload protection: There is a MAJOR reduction in load speed. The motor temperature is too high! Allow the machine to run at idle speed until it has cooled down.
- Overload protection: There is a SLIGHT reduction in load speed. The tool is overloaded. Reduce the load before continuing to work.
- S-automatic safety shutdown: The machine was SWITCHED OFF automatically. If the slew rate of the current is too high (for example, if the machine suddenly seizes or kickback occurs), the machine switches off. Release the Dead man's switch to switch off the machine. Switch it on again and continue to work as normal.

- Machine is running but Bristle Blaster® Belt does not rotate. The toothbelt is broken or heavily damaged and needs to be replaced. See chapter 11, Repairs.
- Machine is running but no or limited roughness is created. The positioning of the Bristle Blaster® Belt onto the object is incorrect, or the Bristle Blaster® Belt is worn out and needs to be replaced.

10. Accessories

Use only genuine MontiPower® accessories.
Use only accessories listed in these operating instructions or expressly approved by the manufacturer. For a complete range of accessories, see www.montipower.com.

11. Repairs

Repairs to electrical tools must be carried out by qualified electricians ONLY!
Contact your local MontiPower® representative if you have MontiPower® power tools requiring repairs.

You can download specific repair instructions and a list of spares and assemblies from www.montipower.com.

12. Environmental Protection

The dust generated by the Bristle Blaster® process may contain hazardous materials. Do not dispose dust with household waste, but only at collection points specifically desgned for hazardous waste.

Observe national regulations on environmentally compatible disposal and on the recycling of machines, packaging and accessories. Never dispose of power tools and or batteries in your household waste! In accordance with European Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) and its implementation in national legal systems, used power tools must be collected separately and handed in for environmentally compatible recycling.

13. Technical Specifications

Emission values

These values make it possible to assess the emissions from the power tool and to compare different power tools. Depending on the operating conditions, the condition of the power tool or the accessories, the actual load may be higher or lower. For assessment purposes, please allow for breaks and periods when the load is lower. Based on the adjusted estimates, arrange protective measures for the user e.g. organisational measures.

Vibration total value (vector sum of three directions) determined in accordance with EN 60745:

$a_{h, P}$ = Vibration emission value (polishing)
$K_{h,P}$ = Uncertainty (vibration)
Typical A-effective perceived sound levels:
L_{pA} = Sound pressure level
L_{WA} = Acoustic power level K_{pA},
K_{WA} = Uncertainty

During operation the noise level can exceed 80 dB(A).
Wear ear protectors!

Problems, faults:
In individual cases, the speed may fluctuate temporarily if the machine is exposed to extreme external electromagnetic disturbances or the electronic restart protection may respond. In this case, switch the machine off and on again.