

# BRISTLE BLASTING POWERTOOLS

PREPARATION  
FROM  
SCRATCH



II 2G c IIA T4 X



# ABSOLUTELY GRÜNDLICH

QUALITY MADE IN GERMANY SINCE 1987

 **MONTIPOWER**  
Surface Preparation Technologies  
Part of Monti Group

# MontiPower - Preparation from scratch!

Absolutely Grundlich stands for a through and sustainable long-term protection of your assets.

# BLASTING WITHOUT GRIT

Discover the power of our specialized powertools. Innovative surface preparation solution to achieve blasting quality without grit. Whether onshore or offshore, whether removing, cleaning or profiling, Montipower's innovative blasting technology ensures the best possible bond. The world's best coating and sealants deserve the best surface preparation.

## Bristle Blaster on an offshore platform



### MONTIPOWER INNOVATION

The patented Bristle Blaster® is the first hand-held brush belt system in the world that produces a quality of surface roughness comparable to that achieved by 'grit blasting'. The bristle Blasting process is an innovation that both removes corrosion and generates an anchor profile by using a specially designed rotary bristle belts. This belt consists of wire bristle tips that are bent forward and dynamically turned to a hand-held powertool which operates at approximately 2,500 rpm

## Conventional Grit Blasting



### GROUND BREAKING AND CUTTING-EDGE

The Bristle Blaster® is the world's only hand-held powertool that can achieve sandblasting results. The patented technology removes corrosion and coating quickly and thoroughly. At the same time, it creates surface preparation grades comparable with Sa21/2 (SSPC-SP 10 / NACE No.2) to Sa3 (SSPC- Sp5 / NACE No.1) with roughness level of upto 120 µm (4.72 mil)Rz.

## MECHANICAL PRINCIPLE

- Bristle Blasting is a surface preparation process that uses a specially designed rotary bristle belt for achieving both corrosion removal and an anchor profile.
- The rotating bristles are DYNAMICALLY TUNED to the powertool which results in impact and immediate retraction of the bristle tips from the corroded surface.
- The bristle tips strike the corroded surface with kinetic energy that is equivalent to grit blast media generating a texture and visual cleanliness that mimics the grit blasting process.

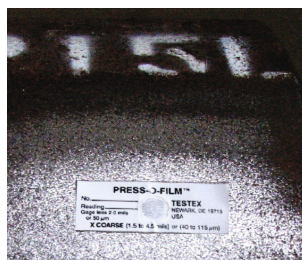
## PROCESS ADVANTAGES / BENEFITS

- The primary advantages of the Bristle Blasting process lie in its simplicity and in its economic benefits.
- The tool itself is driven by a light-weight motor that can utilize either a standard electric power source or compressed air.
- The tool has excellent portability and eliminates the need for complex equipment, work-suits, breathing apparatus and grit recovery systems that are commonly required for ordinary abrasive blasting processes.
- In addition, the bristle blasting process is eco-friendly in that it does not use or generate hazardous waste, thereby "greening" industry's approach to corrosion removal and surface preparation of steel components.
- Bristle blasting simplifies the surface preparation operation and reduces costs through the elimination of expensive equipment, media and extensive environmental and safety measures.

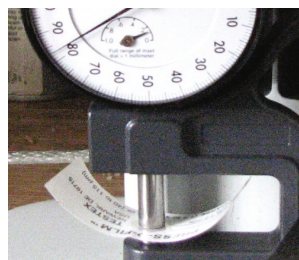
## DEMONSTRATED PERFORMANCE IN CORROSION REMOVAL



API 5L Piping



Bristle Blaster Near-white / white metal 1.1m<sup>2</sup>/hr



83 µm Rz (3.3 mil)

Safety precautions taken by the operator are the same as those which apply to ordinary hand-held powertools namely: wearing work gloves, suitable work-clothing and appropriate face / eye protection

From industrial to marine, from automotive to infrastructure, MontiPower has solutions for all kinds of surfaces across many different sectors, partnering with MontiPower lets you solve complex challenges, every day.





# BRISTLE BLASTER®

## Bristle Blaster® Electric Single



**PATENTED  
ACCELERATOR  
BAR**

**AVAILABLE IN  
230V / 50HZ &  
120V / 60HZ**

Bristle Blasting technology simultaneously removes corrosion and generates anchor profile.

The Bristle Blaster® Electric is available in 230V / 50Hz and 120 V / 60 Hz with steel and stainless steel belts for non-ferrous substrates

### Specification Details

Length - 3400 mm	Height (Inch. handle) - 180 mm	Width - 100 mm
Weight - 2.2 Kg   4.9 lbs	Free Speed (+/- 5%) - 3200 rpm	Output - 900 w
Vibration - 2.8 m/sec <sup>2</sup>	Sound Pressure Level - 83 dB(A)	



SE-1061-BMC	Steel	230V 50/60Hz
SE-1161-BMC	Steel	120V 50/60Hz
SE-1061-SS-BMC	Stainless Steel	230V 50/60Hz
SE-1161-SS-BMC	Stainless Steel	120V 50/60Hz

\*PE Tool case



SE-1061	Steel	230V 50/60Hz
SE-1161	Steel	120V 50/60Hz
SE-1061-SS	Stainless Steel	230V 50/60Hz
SE-1161-SS	Stainless Steel	120V 50/60Hz

\*Portable cardboard box

- Drive unit Bristle Blaster® Electric.
- Adaptor system, 23 mm.
- Accelerator Bar, 23 mm.
- 10 Bristle Blaster Belts 23 mm
- Packed in a PE tool Case

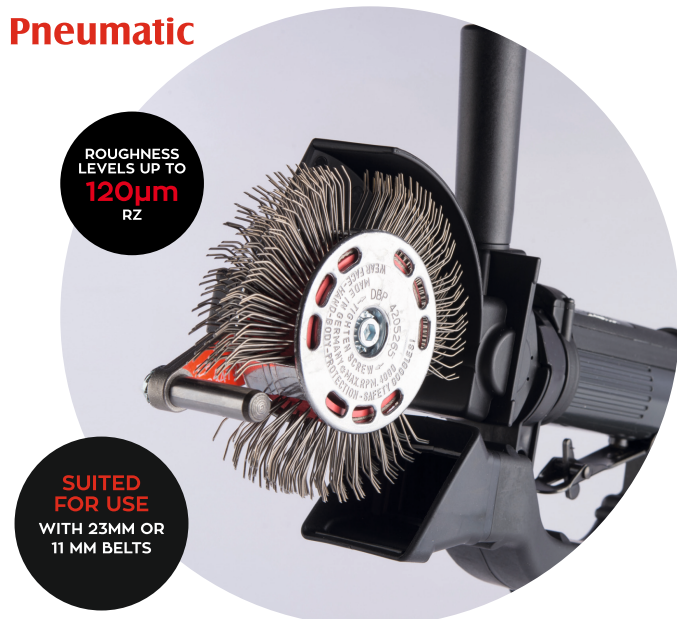
SE-1060-BMC	Steel	230V 50/60Hz
SE-1160-BMC	Steel	120V 50/60Hz

- AS above, but incl. Adaptor System, 11 mm.
- Accelerator Bar, 11 mm
- 5 Bristle Blaster® Belts 23 mm.
- 5 Bristle Blaster® belts 11 mm

SE-1060	Steel	230V 50/60Hz
SE-1160	Steel	120V 50/60Hz

\*Portable cardboard box

## Bristle Blaster® Pneumatic



**ROUGHNESS  
LEVELS UP TO  
120µm  
RZ**

**SUITED  
FOR USE  
WITH 23MM OR  
11 MM BELTS**

"The Bristle Blaster® pneumatic is ATEX-approved and includes dust control"



### Specification Details

Length - 350 mm	Height (Inch. handle) - 160 mm	Width - 70 mm
Weight - 1.5 Kg   3.3 lbs	Required flow pressure - 6.2 bar   90 psi	
Vibration - 2 m/sec <sup>2</sup>	Sound Pressure Level - 83 dB(A)	



SP-647-BMC	Steel
SP-649-BMC	Stainless Steel

\*Blow mould storage case



SP-647	Steel
SP-649	Stainless Steel

\*Portable cardboard box

- Drive Unit Bristle Blaster® Pneumatic including Air cooling system and noise reduction.
- Adaptor System, 23 mm and 11 mm.
- Accelerator Bars, 23 mm and 11 mm.
- 5 Bristle Blaster® Belts, 23 mm.
- 5 Bristle Blaster® Belts, 11 mm.
- Air Pressure Regulators, 23 mm and 11 mm.
- Dust Exhaust Attachment.

# BRISTLE BLASTER®



## Bristle Blaster® Cordless



BATTERY  
18V/5,5AH  
INCLUDED

USE FOR  
SPOT  
REPAIR

- The new cordless technology for the Bristle Blaster includes a safety switch, an Anti-vibration-Handle and a new robust fronthead.
- Adjustable Accelerator Bar to fit difficult to reach objects. 2,200 rpm for single belt operation.
- As part of the cordless Alliance system, battery packs and charges from different manufactures can be used interchangeably.
- we recommend using the 18V/8.0 Ah battery pack, which should last up to 0.5m² per fully charged battery.

### Specification Details

Length - 420 mm	Height (Inch. handle) - 160 mm	Width - 80 mm
Weight - 2.2 Kg   4.9 lbs	Free Speed (+/- 5%) - 2,300 rpm	Output - 900 W
Vibration - 4 m/sec²	Battery Voltage - 18 V	



SB-601-BMC Steel + Stainless Steel

\*Without battery and charger

- Drive unit Bristle Blaster® Cordless.
- Safety Switch, Anti-vibration-Handle
- Adaptor system, 23 mm.
- Accelerator Bar, 23 mm.
- 5 Bristle Blaster Belts, Steel 23 mm
- Packed in a solid PE tool case

SB-600-BMC Steel + Stainless Steel

\*With

- 1 Battery LIHD 18 V, 5.5 Ah
- 1 Battery Fast Charger, 12 – 36 V, air-cooled

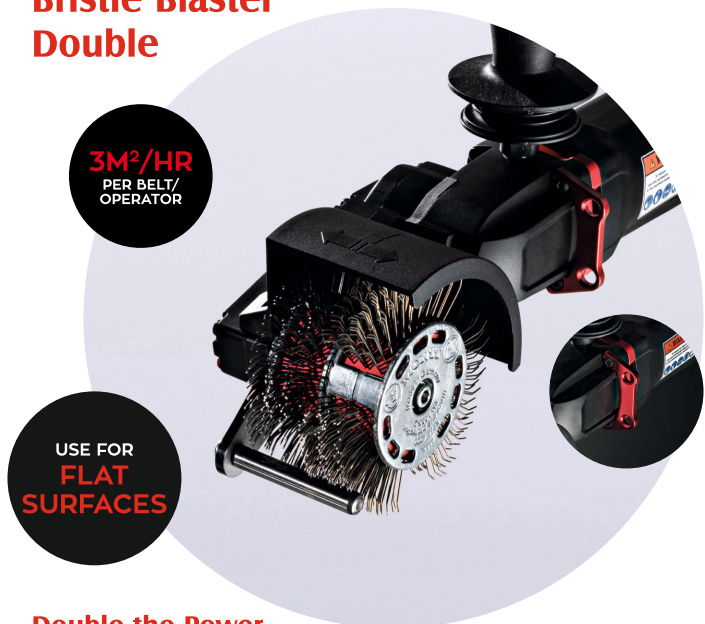


SB-603-BMC Steel + Stainless Steel

\*With

- 1 Battery LIHD 18 V, 8 Ah
- 1 Battery Fast Charger, 12 – 36 V, air-cooled

## Bristle Blaster® Double



3M²/HR  
PER BELT/  
OPERATOR

USE FOR  
FLAT  
SURFACES

### Double the Power

- The Bristle Blaster® double uses two 23 mm belts.
- Productivity rate of approx. 3m²/hr
- Includes an Anti-Vibration-Handle,
- Safety Switch and loop to attach a safety hook.
- Additional internal thread for alternative handle position

### Specification Details

Length - 430 mm	Height (Inch. handle) - 240 mm	Width - 100 mm
Weight - 2.9 Kg   6.4 lbs	Free Speed (+/- 5%) - 2,300 rpm	Output - 900 W



SE-1000-W-BMC	Steel	230V 50/60Hz
SE-1100-W-BMC	Steel	120V 50/60Hz
SE-1000-W-SSBMC	Stainless Steel	230V 50/60Hz
SE-1100-W-SSBMC	Stainless Steel	120V 50/60Hz

\*PE tool case



SE-1000-W	Steel	230V 50/60Hz
SE-1100-W	Steel	120V 50/60Hz
SE-1000-W-SS	Stainless Steel	230V 50/60Hz
SE-1100-W-SS	Stainless Steel	120V 50/60Hz

\*Portable cardboard box

- Drive Unit Bristle Blaster® Electric, 900W incl. Safety Switch, Protection Cover, loop to attach a safety hook, extra internal thread for alternative handle position
- Anti-Vibration-Handle
- 2 Adaptor Systems with Connector piece and screw
- Accelerator Bars for 2x23 mm-belts
- 6 Bristle Blaster® Belts, steel. 23 mm.
- Packed in a solid PE-tool case with extra space to store other protective gear



# BRISTLE BLASTER®

## Electric Drive, single tool



SE-1099-BMC	230V 50/60Hz
SE-1199-BMC	120V 50/60Hz

### Bristle Blaster® Electric (900W)

Incl. Dead man's switch, protection cover, vibration absorbing handle, safety hook, extra internal thread for alternative handle position.

- Accelerator bar for 23mm-belts (steel)
- Adaptor System 23mm

## Cordless Drive, single tool



SB-699	Steel
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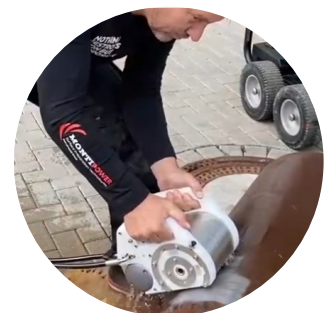
### Bristle Blaster® Cordless

Battery-drive tool incl. Dead man's switch, protection cover, vibration absorbing handle, safety hook, extra internal thread for alternative handle position.

- Accelerator bar for 23mm-belts (steel)
- Adaptor System 23mm

## POWER MACHINES

### The Prepper Q4 (quattro)

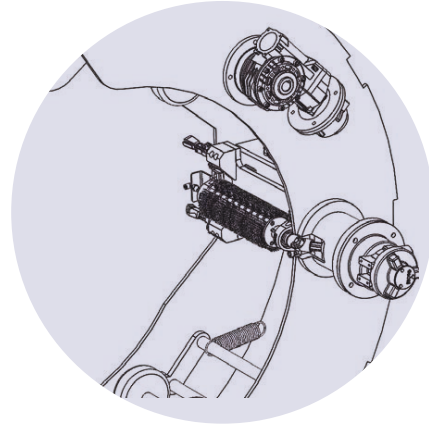


Semi-Automatic Production Machine.  
Waterdriven. For decks, walls, H-beams and round surfaces

- Waterdriven
- Speed, pressure, oscillation and rotation adjustable for removal and roughness imprint
- For decks, walls, H-beams and round surfaces such as pipelines
- Dust Suction Control Available

# BRISTLE BLASTER®

## The Cleantech Prepper



- Up to 4x faster than conventional blasting enabling greater coverage per hour.
- 5 Million strikes per minute.
- Adjustable accelerator bar enables changes to roughness profile.
- 1m<sup>2</sup> cleaned in 127 seconds.
- Dust collection built-in.  
Oscillating brushes enable uniform, optimal surface coverage.

The Cleantech Prepper enables optimal coating performance through a programmable and automated process providing a constant and reliable roughness profile to the substrate. Simply program the desired roughness and the Cleantech Prepper will deliver a regular peak height and peak density to optimize your substrate surface, all without safety hazards, dust or loose media. The Cleantech Prepper Solution can also be included in factory applied coating processes.

## Bristle Blaster® Subsea



- Powerful and serviceable water motor.
- Torque and speed adjustable with high-pressure unit
- Removes corrosion, coatings, scale and adhesive residue

The Bristle Blaster® Subsea is our new hydraulic underwater device with a unique water drive. It is able to create a profiled surface, ideal for the mechanical bonding of protective materials against corrosion.

Connected with a power unit via a single, neutrally buoyant high-pressure hose, the Subsea creates a surface preparation grade comparable to Sa2.5 or Sa3, with roughness levels up to  $\mu\text{m Rz}$ .



# BRISTLE BLASTER® ACCELERATOR BAR

## Accelerator Bar - Steel



Cat code	Dimension	Quantity
ZU-060-05	23 mm	5 Pcs
ZU-060-01	23 mm	1 Pcs
ZU-061-05	11 mm	5 Pcs
ZU-061-01	11 mm	1 Pcs

## Accelerator Bar - Stainless Steel



Cat code	Dimension	Quantity
ZU-062-05	23 mm	5 Pcs
ZU-062-01	23 mm	1 Pcs
ZU-063-05	11 mm	5 Pcs
ZU-063-01	11 mm	1 Pcs

## Bristle Blaster Belt - Steel



Cat code	Dimension	Quantity
BB-033-10	23 mm	10 Pcs
BB-033-05	23 mm	5 Pcs
BB-034-10	11 mm	10 Pcs
BB-034-05	11 mm	5 Pcs

## Bristle Blaster Belt - Stainless Steel



Cat code	Dimension	Quantity
BB-102-10	23 mm	10 Pcs
BB-102-05	23 mm	5 Pcs
BB-103-10	11 mm	10 Pcs
BB-103-05	11 mm	5 Pcs

## Adaptor System



Cat code	Dimension	Quantity
AS-009	23 mm	1

## Adaptor System



Cat code	Dimension	Quantity
AS-012	23 mm	1

## Battery Pack



Cat code	Capacity	Quantity
ZU-600	18 V - 5.5 Ah	1
ZU-602	18 V - 8.0 Ah	1

## Quick Charger Air Cooled ASC 145



Cat code	Voltage	Quantity
ZU - 601	12 - 36 V	1

## Air Pressure Regulator



Cat code	Dimension	Quantity
ZU-070	11 mm	1
ZU-071	23 mm	1

## Swivel Connector, Rp1/4"



Cat code	Dimension	Quantity
ZU - 073	60 x 42 x 35 mm	1

QUALITY  
MADE IN  
GERMANY  
SINCE  
1987



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