



BREDDIPAK
HONEST SURFACE FINISHING SOLUTIONS

SAND & SHOT Blasting Equipment

PROFESSIONAL SURFACE FINISHING & COATING SOLUTIONS



 sales@breddipak.com

ABOUT US

BREDDIPAK is a professionally managed company specializing in the design, manufacturing, and supply of advanced surface finishing solutions, including shot blasting machines, painting systems, blast rooms, dust collection systems, and abrasive media. Backed by strong engineering expertise and application-driven innovation, BREDDIPAK delivers high-performance solutions for foundries, fabrication, automotive, infrastructure, aerospace, railways, shipbuilding, renewable energy, and heavy engineering industries. Our machines are engineered to international quality standards, ensuring superior durability, productivity, operational efficiency, and consistent surface finishing performance.



Automotive



Railways



Shipping



**Renewable
Energy**



Aerospace



**Power
Generation**

TUMBLAST

SHOT BLAST MACHINE



DESCRIPTION :

A compact, batch-type shot blasting machine designed for uniform and efficient cleaning of small to medium-sized components through continuous tumbling and high-efficiency abrasive blasting.

FEATURES :

- » Simple and reliable tumbling mechanical process
- » Compact, pit-less, and robust construction
- » Uniform surface cleaning with full component exposure
- » Integrated high-efficiency industrial dust collector

APPLICATIONS

- » Casting
- » Nut & Bolt
- » Brake Pads
- » Springs
- » Forgings
- » Fasteners

TECHNICAL SPECIFICATIONS

Model	Weight Capacity	Volume
ATB 20 x 27	100 kg	2 CFT
ATB 27 x 36	300 kg	5 CFT
ATB 36 x 42	500 kg	10 CFT

Note: We also design & manufacture Customized Machines.

WORKPIECES :



ROTARY SWING TABLE

SHOT BLAST MACHINE



Double Door Swing Table type machine



Single Door Swing Table type Machine

DESCRIPTION :

The Rotary Table & Swing Chamber Blast Machine is designed for efficient surface cleaning and finishing of metal components. It ensures uniform blasting performance, high productivity, and consistent surface.

FEATURES :

- » Swing table design
- » Uniform blasting performance
- » Heavy-duty construction
- » Dust-free enclosed chamber
- » Easy loading and unloading

APPLICATIONS

- » Die Casting Aluminium
- » Castings
- » Forgings
- » Zinc & alloy steel components

TECHNICAL SPECIFICATIONS

Model	Maximum Load on Table
Ø 900	500 Kg
Ø 1200	750 Kg
Ø 1500	1200 Kg
Ø 1800	2500 Kg
Ø 2400	5000 Kg

Note: We also design & manufacture Customized Machines.

WORKPIECES :



SPINNER HANGER

SHOT BLAST MACHINE

I Hanger Blast Machine



DESCRIPTION :

Designed for complex and hanging components, the Spinner Hanger Blast Machine provides uniform blasting through a rotating hanger system, ensuring complete media exposure and consistent surface quality.

FEATURES :

- » Rotating spinner hanger system
- » Manganese Steel or rubber lining protection
- » High-efficiency blast wheels
- » Advanced dust collection system

APPLICATIONS

- » Automotive components
- » Casting & forging parts
- » Fabricated structures
- » Heat-treated parts
- » Heavy casting

Door Mounted Hanger
Blast Machine

TECHNICAL SPECIFICATIONS

JOB DIAMETER	JOB HEIGHT	JOB WEIGHT
Ø 700 mm	900 mm	300 Kgs.
Ø 1000 mm	1400 mm	500 Kgs.
Ø 1200 mm	1500 mm	500 Kgs.
Ø 1500 mm	1500 mm	1000 Kgs.
Ø 1500 mm	2000 mm	2000 Kgs.
Ø 2000 mm	2500 mm	5000 Kgs.

Note: We also design & manufacture Customized Machines.

WORKPIECES :



RUBBER BELT CONVEYOR

SHOT BLAST MACHINE



Stone & Ceramic Blast machine



Stone Surface Cleaning Belt
Blast Machine

DESCRIPTION :

A continuous blasting machine suitable for small to medium components, delivering uniform rust, scale, sand, and coating removal with a high-quality surface finish. Mostly used for Bush Hammer or Sand Blast Finish on stone surfaces.

FEATURES :

- » Continuous pass-through blasting
- » Heavy-duty rubber belt conveyor
- » High-efficiency blast turbines
- » PLC-controlled automatic operation

APPLICATIONS

- » Granite & marble surface texturing
- » Concrete block cleaning
- » Stone & ceramic finishing

TECHNICAL SPECIFICATIONS

Model		RBC-1 W	RBC-2 W	RBC-4 W
Opening	W (mm)	700-1000	1300-1800	1000-1500
	H (mm)	200-300	200-350	200-600
No. of Blast Wheel		1	2	4
Power (Hp)		10-15	15	15
Wheel size		12.5 / 15.5	15.5 / 19.5	15.5 / 19.5
Belt Speed (m/min)		0.5 - 2.0	0.5 - 2.5	0.5 - 3.2

Note: We also design & manufacture Customized Machines.

WORKPIECES :



MANGANESE STEEL WIRE MESH

SHOT BLAST MACHINE



DESCRIPTION :

A continuous shot blasting machine equipped with a durable manganese steel wire mesh conveyor for fast and uniform cleaning of casted and forged components.

FEATURES :

- » Manganese wire mesh belt
- » Continuous blasting process
- » Uniform cleaning results
- » High durability with low maintenance

APPLICATIONS

- » Automotive components
- » Forged parts
- » Die-cast components
- » Fabricated steel parts



Manganese Wire Mesh Belt

TECHNICAL SPECIFICATIONS

Model		WMB – 2 W	WMB – 4 W
Opening	W (mm)	450	1000
	H (mm)	1000	500
No. of Blast Wheel		3	3
Power (Hp)		15 HP	15 HP
Belt Speed (m/min)		0.5 – 6	0.5 – 6

Note: We also design & manufacture Customized Machines.

WORKPIECES :



ROLLER CONVEYOR

SHOT BLAST MACHINE



DESCRIPTION :

Roller Conveyor Shot Blasting Machine is used for efficient cleaning, descaling, and surface preparation of steel plates, beams, pipes, and fabricated structures. It removes rust, scale, and impurities to achieve a uniform, clean surface ready for coating or fabrication.

WORKPIECES :



APPLICATIONS

- ▶ Steel plates & sheets
- ▶ Structural beams & sections
- ▶ Fabricated steel components
- ▶ Pipes & heavy-duty metal parts

TECHNICAL SPECIFICATIONS

Model		AT-150-50-4W	AT-200-50-6W	AT-200-100-8W
Opening	W (mm)	1500	2000	2000 / 2500
	H (mm)	500	500	1000 / 500
No. of Blast Wheel		4	6	8
Power (Hp)		15 HP	20 HP	25 HP
Roller Speed (m/min)		0.5 – 3 m/min	0.5 – 3 m/min	0.5 – 3 m/min
Height of the Machine		6500	6900	7700

Note: We also design & manufacture Customized Machines.

FEATURES :

- » Robust roller conveyor design
- » Uniform and consistent blasting
- » High productivity with low maintenance
- » Suitable for plates, beams & structures



PLATE PRESERVATION LINE

INLINE BLASTING | PAINTING | BAKING SYSTEM

- Pre-Heating System
- Blasting System
- Painting / Priming System
- Baking Oven



Pre Heating system



Slat conveyor

Paint Room

Baking Oven

Blasting System

DESCRIPTION :

The BREDDIPAK Preservation Line integrates continuous shot blasting and primer coating to deliver SA 2.5 / SA 3 surface finish with long-term corrosion protection.

APPLICATIONS

- ▶ Steel plates and profiles
- ▶ Fabrication units
- ▶ Shipyards
- ▶ Steel processing plants

WORKPIECES :



FEATURES :

- » Continuous shot blasting and primer coating
- » Removes rust, scale, and old paint
- » Uniform SA 2.5 / SA 3 finish
- » Integrated primer for long-term corrosion protection
- » Ideal for steel plates, profiles, and industrial applications

TECHNICAL SPECIFICATIONS

Model	PPL1500-4	PPL2000-6	PPL2500-6	PPL3000-6
Plate Width (mm)	1500	2000	2500	3000
Thickness (mm)	4-60	4-60	4-60	4-60
Max Length (mm)	6000	9000	12000	12000
Line Speed (m/min)	0.5-3.0	0.5-3.0	0.5-3.0	0.5-3.0
Blast Capacity	290×4	250×6	290×6	360×6

Note: We also design & manufacture Customized Machines.

TUNNEL OVERHEAD RAIL

SHOT BLASTING MACHINES



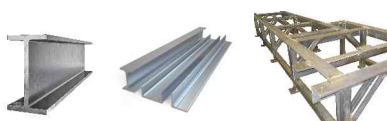
DESCRIPTION :

Tunnel Overhead Rail Shot Blasting Machine is a continuous blasting system for cleaning, descaling, and surface preparation of fabricated steel components. It delivers uniform cleaning with high productivity before painting, powder coating, or fabrication.

APPLICATIONS

- ▶ Continuous overhead rail blasting
- ▶ Rust & scale removal
- ▶ Surface preparation before coating
- ▶ Cleaning fabricated steel parts

WORKPIECES :



FEATURES :

- » Continuous overhead conveyor
- » Uniform blasting
- » High-efficiency turbines
- » Automatic abrasive recovery
- » PLC control & Low maintenance

TECHNICAL SPECIFICATIONS

Machine Type	TOR-500	TOR-1000	TOR-1500
Workpiece Size (mm)	800 × 1800	1000 × 2500	1200 × 3000
Max. Chamber Height	4800	5500	6200
Max. Chamber Width	2200	2600	3000
Load Capacity (kg)	500	1000	1500
No. of Wheels	4	6	8
Conveyor Speed (m/min)	0.5–2.5	0.5–3.0	0.5–3.0

Note: We also design & manufacture Customized Machines.

BLAST CABINETS

ABRASIVE SAND BLAST MACHINES.



DESCRIPTION :

Enclosed blasting system designed for safe, efficient, and dust-free surface cleaning and finishing of components. Ensures operator safety and a clean work environment, ideal for surface preparation, rust removal, and finishing applications.

APPLICATIONS

- ▶ Rust, paint, and scale removal
- ▶ Cleaning and surface preparation of components
- ▶ Pre-treatment before coating or painting
- ▶ Maintenance and refurbishment work



PRESSURE BLASTER
SPECIAL MACHINE



TECHNICAL SPECIFICATIONS

SUCTION	PRESSURE	WET- AQUA
SB6060	PB6060	WB6060
SB9182	PB9182	WB9182
SB12090	PB12090	WB12090
SB150120	PB150120	WB150120

Note: We also design & manufacture Customized Machines.

FEATURES :

- » Fully enclosed cabinet design
- » Dust-free and safe operation
- » Uniform blasting finish
- » Low maintenance

ROTARY INDEXING MACHINE

AUTOMATIC BLASTING MACHINES



Rotary Indexing Machine

DESCRIPTION :

Rotary Indexing Suction Blast Machine is ideal for utensils, pins, gears, pistons, and frying pan components. Its rotary indexing table ensures precise positioning and uniform blasting delivering high productivity and consistent surface finish.

WORKPIECES :



FEATURES :

- » Rotary indexing for precise, uniform blasting
- » Efficient suction blasting for dust removal
- » High productivity with consistent finish
- » Robust design for mass production

APPLICATIONS

- ▶ Surface cleaning & finishing
- ▶ Rust & scale removal
- ▶ Part preparation for coating or painting
- ▶ Mass production use

TECHNICAL SPECIFICATIONS

Model	Max Job Height	Table Diameter	No. of Stations
RISM - 600	250 mm	600 mm	3 Station
RISM - 800	300 mm	1300 mm	5 Station
RISM - 1000	350 mm	1800 mm	5 Station

Note: We also design & manufacture Customized Machines.

ROLL ETCHING MACHINE

AUTOMATIC BLASTING MACHINES



Roll Etching Machine

DESCRIPTION :

Roll Etching Machine cleans and prepares industrial rolls by removing rust, scale, and old coatings through uniform abrasive blasting, ensuring excellent surface finish, strong coating adhesion, and high efficiency for printing, embossing, and metal processing applications.

FEATURES :

- » Uniform and precise surface etching
- » Adjustable depth with automatic roll rotation
- » PLC-controlled, high productivity operation
- » Heavy-duty, safe and low maintenance

WORKPIECES :



(ROLLS)

APPLICATIONS

- ▶ Textile and fabric processing rolls
- ▶ Rubber, plastic and polymer rolls
- ▶ Steel and stainless steel industrial rolls
- ▶ Printing, coating and laminating rolls

TECHNICAL SPECIFICATIONS

Max. Roll \ Diameter	Max. Roll Length	Max. Total Length	Roll Sand Blasting Machines
310 mm	1500 mm	2500 mm	SBM 3125
610 mm	2200 mm	3000 mm	SBM 6130
820 mm	2200 mm	3000 mm	SBM 8230

Note: We also design & manufacture Customized Machines.

SERVO CONTROLLED

AUTOMATIC BLASTING MACHINES

Tyre Mould cleaning Machine



Multiple Glass Mould Cleaning Machines



Moulds

DESCRIPTION :

We manufacture fully CNC-controlled servo-precision blasting machines delivering uniform surface finish and repeatable results. Our range includes Tyre Mould, Glass Mould, Axle Bore, and Micro Blasting systems with integrated dust collection, automation, and customizable abrasives—built to international standards for reliable, high-precision surface preparation.

Axle Internal Bore Blasting Machine



Axles

TECHNICAL SPECIFICATIONS				
Model	Application	Blasting Media	Pressure Range	Automation
TM	Tyre Mould Cleaning	Al ₂ O ₃ , Steel Grit	3–8 bar	Fully Automatic
GM	Glass Mould Cleaning	Glass Beads, Fine Al ₂ O ₃	2–6 bar	Semi / Automatic
AB	Axle Internal Bore	Al ₂ O ₃ , Steel Grit	3–8 bar	Fully Automatic
MB	Micro Blasting	Fine Glass Beads	1–4 bar	Semi / Automatic

Note: We also design & manufacture Customized Machines.



Micro Blasting Machine



Hobbs And Gears.

INDUSTRIAL DUST COLLECTION SYSTEM



Down Flow Pulse Jet



Reverse Pulse Jet



Multi Cyclone Dust Collector



Twin Cyclone Dust Collector



Cyclone Dust Collector

DESCRIPTION :

An industrial dust collection system removes dust and fine particles from industrial air, improving air quality, safety, and workplace cleanliness.

» Types of Dust Collectors:

- ❖ **Bag Filter Dust Collector** : Uses fabric filter bags to capture dust particles; ideal for heavy-duty and continuous industrial use.
- ❖ **Pulse Jet Type** : High-efficiency cartridge filters in a compact design for fine dust collection and limited space applications.
- ❖ **Cyclone Dust Collector** : Uses centrifugal force to separate heavy and coarse dust particles before filtration.
- ❖ **Wet Scrubber** : Removes dust, fumes, and gases using liquid spray; suitable for hot, sticky, or explosive dust.

APPLICATIONS

- ▶ Metal & fabrication industries
- ▶ Woodworking units
- ▶ Cement & foundries
- ▶ Chemical & pharma plants

BLAST ROOM SYSTEMS

BLAST ROOM SYSTEMS

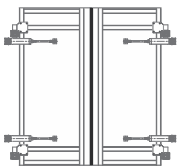


DESCRIPTION :

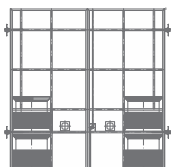
Blast Room System is an enclosed abrasive blasting setup used to clean and prepare large metal surfaces by removing rust, scale, and old coatings. It ensures uniform finish, safe operation, and efficient media reuse for industrial surface preparation.

ACCESSORIES:

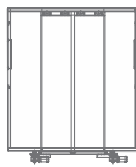
- Wear & impact-resistant wall panels
- Abrasive recovery floor system
- Heavy-duty blast doors
- Rubber curtains & sealing flaps
- LED lighting system
- Dust extraction ducting
- Safety interlocks & control panel



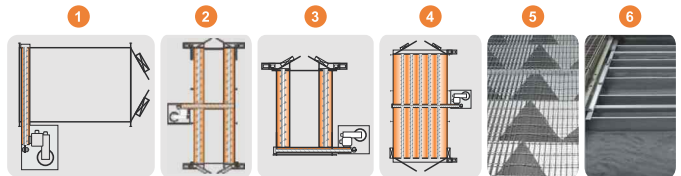
Pneumatic Door



Hinge Type / Rail
Blast Room



Sliding Door



Cross

H Type

U Type

Full Floor

Scraper

- ### Types of Mechanical Recovery:
- **Screw / Belt Recovery System**
Best for continuous blasting with high media recovery efficiency.
 - **Bucket Elevator Recovery System**
Suitable for medium to high production blasting applications.
 - **Vacuum Recovery System**
Ideal for small parts, maintenance blasting, and flexible operation.

APPLICATIONS:

Steel fabrication • Foundries • Heavy engineering • Structural components

PAINT BOOTH SYSTEM

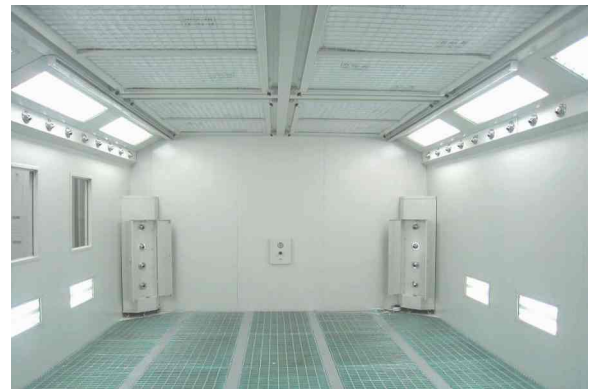
High-Efficiency • Clean Airflow • Professional Finish



The Paint Booth System is designed for high-quality surface finishing by controlling overspray, air movement, and ambient conditions. It creates a clean and dust-free environment, helping to achieve uniform paint application. This system ensures a durable, safe, and compliant painting process with improved coating consistency.

TYPES OF PAINT BOOTH SYSTEMS

- ◈ Down Draft
- ◈ Side Draft
- ◈ End Draft
- ◈ Water Curtain
- ◈ Integrated Baking System



Uniform airflow & shadow-free lighting for precision painting

Types of Paint Booth Systems and their working Mechanisms:

Vertical Down Draft Paint Booth System

The Vertical Down Draft Paint Booth System uses a top-to-bottom airflow design, ensuring fumes and overspray are continuously pulled away from the vehicle or workpiece. Fresh filtered air enters through ceiling filters, while exhaust air exits through floor-level ducts. This design provides excellent air quality, superior finish quality, and maximum operator safety.

Side Down Draft Paint Booth System

The Side Down Draft (Side Draft) Paint Booth System directs fresh air from the upper section through diagonally placed side wall exhaust filters. This design efficiently captures overspray while maintaining consistent airflow around the component. It offers a reliable, cost-effective solution for automotive and industrial painting operations.

► Cut Wires

Shot cleaning, deburring, and descaling of cast or forged components are efficiently achieved using the shot-blasting wheel process. Breddipak offers reliable solutions in all relevant materials.



STEEL CUT WIRE SHOT

Hardness: min. 400 – 550
 Hvi (40 – 55 HRC)
 Size: 0.40 – 2.60 mm
 Shape: Cylindrical /Conditioned



STAINLESS STEEL CUT WIRE SHOT

Hardness: min. 400 – 550
 Hvi (41 – 52 HRC)
 Size: 0.30 – 2.60 mm
 Shape: Cylindrical /Conditioned



COPPER CUT WIRE SHOT

Hardness: min.
 110 – 140 HV0.5
 Size: 0.40 – 2.40 mm
 Shape: Cylindrical
 /Conditioned



ZINC CUT WIRE SHOT

Hardness: min. 35 – 45 HV0.2
 Size: 0.50 – 1.60 mm
 Shape: Cylindrical
 /Conditioned



ALUMINIUM CUT WIRE SHOT

Hardness: min. 90 – 140 HV0.5
 Size: 0.40 – 1.60 mm
 Shape: Cylindrical /Conditioned

► Ferrous – (Metallic) Abrasives

Suitable for a wide range of applications, cast iron abrasives provide cost-effective solutions. Breddipak offers the right abrasive options to meet diverse industrial needs.



STEEL SHOT HC

Hardness: 46 – 51 HRC
 (450 – 535 HVI)
 Size: 0.12 (S70) –
 2.80 mm (S780)
 Shape: Conditioned



STAINLESS STEEL GRIT

Hardness: Ca. 58
 HR C (660 HVI)
 Size: 0.05 (GM 10) –
 3.00 mm (GM 300)
 Shape: Angular



STAINLESS STEEL SHOT

Hardness: min. 30 HR
 C (300 HVI)
 Size: 0.05 (S 10) –
 3.00 mm (S 300)
 Shape: Conditioned



STEEL GRIT

Hardness: min. 46 – 52
 HRC (480 – 550 Hvi): Typ GP
 Size: 0.07 (G 120) –
 2.80 mm (G 12)
 Shape: Angular

► Non Ferrous – (Non Metallic) Abrasives

If particularly gentle processing of your components is required, non-metallic blasting agents from Breddipak are used to ensure effective surface treatment without damaging the base material.



CERAMIC BEADS

Hardness: ca. 7 – 7.5
 Mohs, ca. 60 HRC, ca. 700 HV
 Size: 0.00 – 0.85 mm
 Shape: Conditioned



BROWN FUSED ALUMINA

Hardness: ca. 8 – 9 Mohs
 Size: 0.053 (F 220) –
 2.00 mm (F 12)
 Shape: Angular



WHITE FUSED ALUMINA

Hardness: min. 46 – 52
 HRC (480 – 550 Hvi): Typ GP
 Size: 0.07 (G 120) –
 2.80 mm (G 12)
 Shape: Angular



GLASS BEADS

Hardness: ca. 6 – 7 Mohs,
 ca. 58 HRC and ca. 645 HV
 Size: 0.004 – 0.85 mm
 Shape: Conditioned



SILICON CARBIDE

Hardness: ca. 6 – 7 Mohs,
 ca. 58 HRC and ca. 645 HV
 Size: 0.004 – 0.85 mm
 Shape: Conditioned

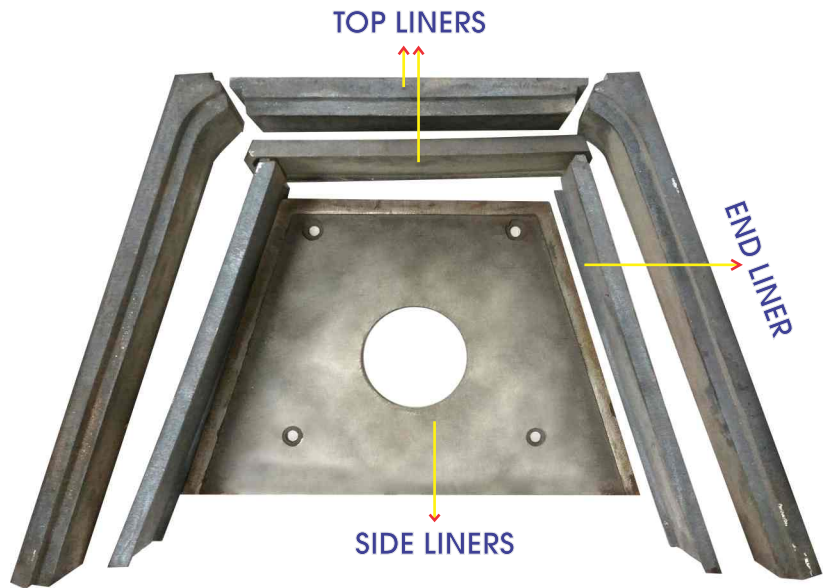


GARNET

Hardness: ca. 6 – 7 Mohs,
 ca. 58 HRC and ca. 645 HV
 Size: 0.004 – 0.85 mm
 Shape: Conditioned



WHEEL ASSEMBLY



LINERS



BLADES



BARE WHEEL



CONTROL CAGE



IMPELLER



MANGANESE TILE



WHEEL HUB



ENDLESS BELT



BREDDIPAK

HONEST SURFACE FINISHING SOLUTIONS

"Complete Shot Blasting & Surface
Preparation Solutions to Surface Finishing"

Offices in

Greenville, South Carolina
Gulf Shores, Alabama
El Paso, Texas

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Delivering **Excellence**. Building **Trust**.
Finishing Every Surface with **Precision**.