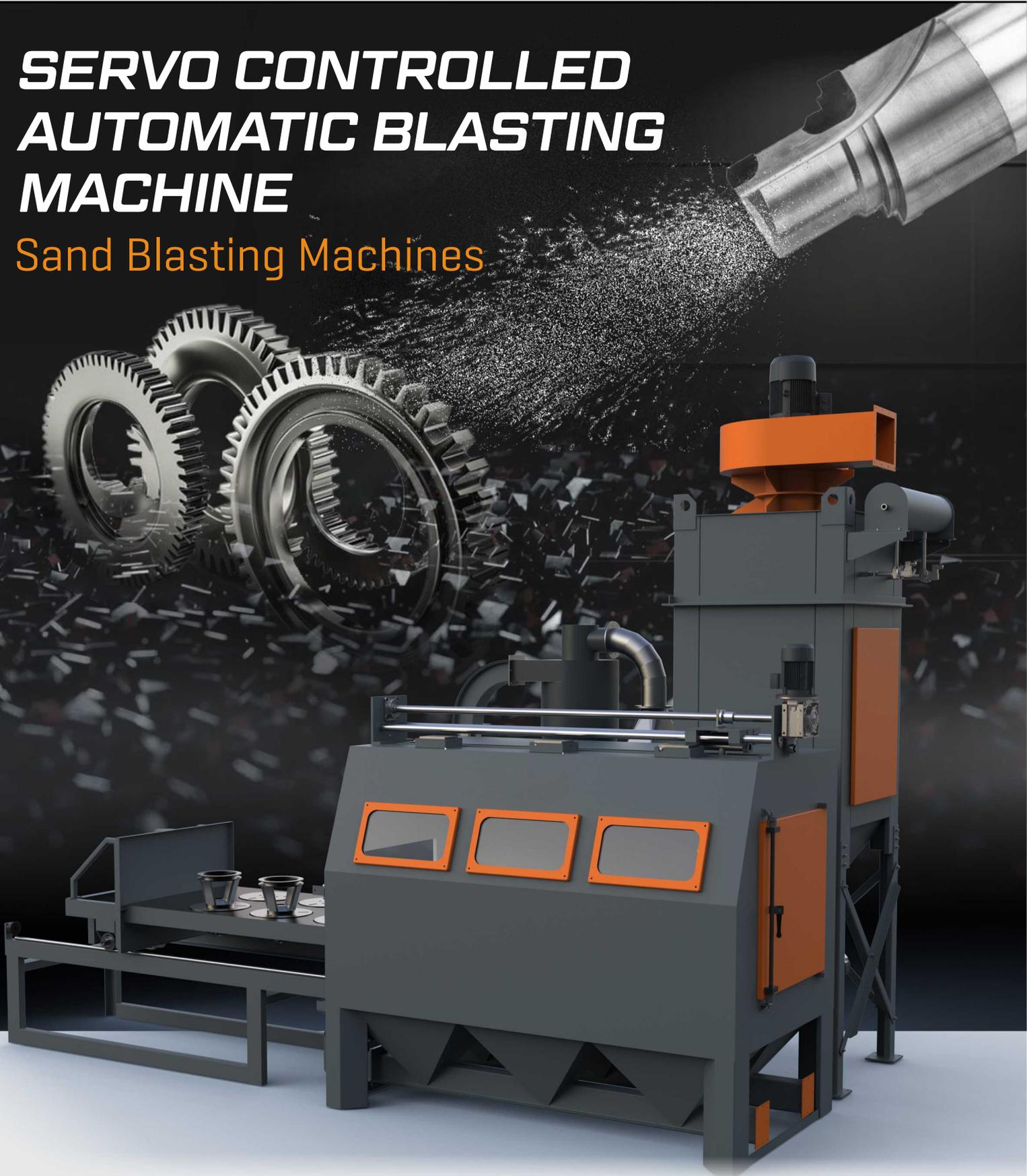




**SHOTBLASTING**  
An ISO 9001:2015 Certified Company

# **SERVO CONTROLLED AUTOMATIC BLASTING MACHINE**

## **Sand Blasting Machines**



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## ◆ Multiple Glass Mould Cleaning Machine

Designed for precise and uniform cleaning of multiple glass moulds in a single cycle. Removes carbon deposits, residue and oxidation effectively.

### ◆ Key Features:

- ▶ Multi-station fixture system
- ▶ Uniform blasting coverage
- ▶ Fast cycle time
- ▶ Dust-free enclosed cabinet
- ▶ Automatic abrasive recycling



Multiple Glass Mould Cleaning Machine

### Applications

- ▶ Glass bottles, jars & containers
- ▶ Beverage & cosmetic moulds
- ▶ Pharmaceutical vials
- ▶ Press & blow mould segments
- ▶ Core pins, plungers & neck rings

### ▶ Workpieces



Gas steel cartridges



Cosmetic & perfume  
bottle moulds

## ◆ Tyre Mould Cleaning Machine

The Tyre Mould Cleaning Machine is a specialized industrial system designed for the efficient cleaning of tyre moulds used in the tyre manufacturing industry. Tyre moulds often accumulate carbon, rubber residues, release agents, and contaminants, which affect the quality of tyre production. This machine ensures precise and thorough cleaning, extending the mould life and maintaining the consistency of tyre tread



## ◆ GEC Enclosed Tyre Mould Cleaning Machine

The Enclosed Tyre Mould Cleaning Machine is a precision cleaning system specifically developed for removing carbon, rubber residues, and release agents from tyre moulds. It ensures moulds are cleaned without damaging their intricate cavities, helping to maintain high-



## ◆ Abrasive Recovery System

The Enclosed Tyre Mould Cleaning Machine is a precision cleaning system specifically developed for removing carbon, rubber residues, and release agents from tyre moulds. It ensures moulds are cleaned without damaging their intricate cavities, helping to maintain high-quality tyre tread patterns and extending mould life.



Abrasive Recovery System

### Applications

- ▶ Removal of rubber deposits & carbon build-up
- ▶ Cleaning of sulphur, release agent & tyre residue
- ▶ Restoring vent holes & fine engravings
- ▶ Improving tyre surface finish & pattern accuracy
- ▶ Preventive maintenance of tyre moulds
- ▶ Extending mould life & reducing rejection rate

### ▶ Workpieces



Complete tyre moulds  
(top & bottom plates)



Bead ring moulds



Rubber-contaminated  
steel Mould parts

## ◆ Axle Internal Bore Blasting Machine

Axle Internal Bore Blasting Machine specially design ki gayi hai axle ke andar ke surface (internal bore) ko thoroughly clean karne ke liye. Ye machine rust, scale, carbon deposit aur old coating ko efficiently remove karti hai.



AXLE INTERNAL BORE BLASTING MACHINE

## ◆ GEC Enclosed Axle Bore Cleaning Machine

Specially developed enclosed system for internal blasting of axles and tubular components. Ensures safe operation and dust-free working environment.

## ◆ Abrasive Recovery System

High efficiency cyclone separator automatically recovers reusable abrasive media. Reduces media consumption and improves cost efficiency.



## ◆ GEC Industrial Dust Collector Unit

High efficiency filtration system designed to capture fine dust particles generated during blasting process. Maintains pollution-free operation and protects operator health.



### ◆ Key Features:

- ▶ Internal rotating lance system
- ▶ Adjustable blasting pressure
- ▶ Precision nozzle alignment
- ▶ PLC controlled operation

### Applications

- ▶ Rust & scale removal
- ▶ Internal surface cleaning
- ▶ Surface preparation before coating
- ▶ Paint & powder coating adhesion
- ▶ Reconditioning & maintenance

### ▶ Workpieces



Axle housings



Hollow shafts

### ◆ Micro Blasting Machine for Hobbs & Gears

The Micro Blasting Machine is a specialized industrial system designed for the precision cleaning and surface finishing of hobs, gears, and cutting tools used in gear manufacturing and engineering industries. Hobs and gears often accumulate micro burrs, oxidation layers, oil residues, and coating deposits which affect dimensional accuracy and cutting performance. This machine ensures uniform micro-level cleaning without damaging sharp cutting edges, extending tool life and maintaining high production quality.



### ◆ Micro Blasting Machine (Cabinet Type Precision)

The Enclosed Micro Blasting Machine is specifically developed for removing fine contaminants and surface imperfections from hobs and gears. It ensures controlled abrasive impact to maintain profile accuracy while improving surface finish and coating adhesion.



### ◆ Abrasive Recovery System (Cyclone Separator)

High efficiency cyclone separator automatically recovers reusable fine abrasive media, reducing media consumption and ensuring cost-effective operation.



### ◆ GEC Industrial Dust Collector Unit

The GEC Dust Collector Unit is a high-efficiency filtration system designed to capture fine dust particles generated during micro blasting operations. It ensures a clean working environment and protects precision components from contamination.



#### Applications

- ▶ Rust & Oxide Removal
- ▶ Surface Cleaning before Coating / Heat Treatment
- ▶ Deburring of Gear Teeth
- ▶ Uniform Matte Finish for Precision Parts
- ▶ Tool Reconditioning (Hobs & Cutters)
- ▶ Improves Gear Life & Performance

#### ▶ Workpieces



Gear Hobs  
(HSS Carbide)



Spur Gears,  
Helical Gears



Gear Shafts &  
Splines

## ◆ Glass Frosting Machine-2×2.5 Mtr

The Glass Frosting Machine (2 × 2.5 Meter) is a specialized industrial system designed for uniform surface frosting and decorative finishing of architectural and industrial glass panels. Glass surfaces often require controlled matting, privacy finish, or decorative texture. This machine ensures consistent and uniform frosting without damaging the glass surface, providing premium aesthetic finish and improved coating adhesion.

### ◆ It is widely used in

- ▶ Architectural Glass Industry
- ▶ Interior Decoration Glass
- ▶ Shower Glass Panels
- ▶ Office Partition Glass
- ▶ Automotive Glass Applications



## ◆ Glass Frosting Machine

(Conveyor Type / Cabinet Type System)

The Enclosed Glass Frosting Machine is specifically developed for large size glass sheets up to 2 × 2.5 meter. It ensures controlled abrasive projection across the glass surface to achieve uniform matte finish and smooth texture.

## Technical Specification

S. No.	Parameter	MGM-2000	AIB-600	MBH-400	TMC-2500	GFM-2x2.5
1.	Machine Type	Multiple Glass Mould Cleaning Machine	Axle Internal Bore Blasting Machine	Micro Blasting Machine for Hobbs & Gears	Tyre Mould Cleaning Machine	Glass Frosting Machine – 2x2.5 mtr
2.	Working Chamber / Capacity	2000 × 1500 × 1200	Bore Dia. 20–120 mm Length: 600 mm	600 × 400 × 400 mm	2500 × 2000 × 1500 mm	2000 × 2500 × 1800 mm
3.	No. of Blast Guns / Wheels	2	1	1	2	3
4.	Motor Power	7.5 HP	5 HP	1.5 HP	10 HP	15 HP
5.	Abrasive Media	Steel Grit / Shot	Steel Shot / Grit	Aluminium Oxide / Glass Beads	Steel Shot / Grit	Aluminium Oxide
6.	Approx. Machine Weight	1200	400 Kg	150 Kg	1500 Kg	1800 Kg
7.	Application / Remarks	For multiple glass Moulds, high productivity	Precision internal surface cleaning	High-precision micro blasting for gears & hobs	Automatic tyre mould cleaning system	Decorative & uniform glass frosting finish

Note :- Other sizes available on customization.

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