

# Excellence & Innovation in Every Design



Airless Shot Blasting  
Shot Peening  
Blast Room System  
Air Operated Shot Blasting



**PATEL FURNACE & FORGING PVT. LTD.**  
(Shot Blasting Division)  
[www.pshotblast.com](http://www.pshotblast.com)

ISO 9001 : 2015



dun & bradstreet  
D-U-N-S® 650525876

### Swing Table Type Shot Blasting Machine



Models	
Table Dia.	Loading Capacity
36"	300 kgs.
48"	800 kgs.
60"	1500 kgs.
72"	2300 kgs.
96"	4500 kgs.
120"	5000 kgs.

### Tumblast (Barrel Type) Shot Blasting Machine



Models (Rubber Belt)  
Load Capacity  
2CFT (20"X27") - 150 Kgs.  
5CFT (27"X36") - 250 Kgs.  
7CFT (32"X38") - 400 Kgs.  
12CFT (36"X42") - 600 Kgs.

Models (Steel Belt)  
Load Capacity  
28CFT - 1500 Kgs.

Optional: Hydraulic Loader,  
Automatic Door,  
Rope Driven Loader  
Automatic Door,  
Vibratory Unloading Conveyor,  
Rubber Unloading Conveyor.

### Y Type Hanger Shot Blasting Machine



Standard Models  
(Job Size)

MM Dia - Height	Kgs. Hook - Capacity
1000 x 1500	- 500
1200 x 1500	- 1000
1500 x 1650	- 1000
1000 x 2000	- 1000
1500 x 2000	upto 5000
2000 x 3000	
2500 x 3500	
3000 x 3500	

Also Customisation as per job size possible.

### Continuous Monorail Hanger Type Shot Blasting M/c.



Standard Models  
(Job Size)

MM Dia	MM Height	Kgs. Hook - Capacity
1200 x 1500	-	500 x 4 Nos.
1500 x 1650	-	1000 x 4 Nos.
1800 x 1800	-	500 x 6 Nos.

### Hanger Type with Hoist Shot Blasting Machine



Standard Models  
(Job Size)

MM Dia - Height
3000 x 4000
3500 x 4500
3000 x 3000
3000 x 5000

Hook Capacity - upto 10 Tons Hoist

Also Customisation as per job size possible.

### Door Hanger Type Shot Blasting Machine



Standard Models

MM Dia x Height	Kgs. Hook Load Capacity
700 x 1400	- 500
700 x 1200	- 300

### Inline Hanger Shot Blasting Machine



Customised solution for powder coating & liquid painting production line.  
Production Line Speed and job size : customised as per requirement.

### Manganese Mesh Conveyor Shot Blasting Machine



Production line speed: upto 2 meters per minute

### Small Pipe / Tube Shot Blasting Machine



For pipes from 1" to 24" Diameter.  
 Production speed: Upto 6 Meters / Minute  
 Optional: Auto Loading & Unloading system

### Pipe Shot Blasting Machine (Tyre Conveyor)



For pipes from 20" to 140" Diameter  
 Production speed: Upto 5 Meters / Minute  
 Optional: Auto Loading & Unloading system

### Multipurpose Shot Blasting Machine



For pipes Upto 60" Diameter  
 Structure / Pipe Spools Upto 1500 mm Width x 1500 mm Height  
 Production speed: Upto 2 - 3 Meters / Minute

### Quartz Stone Shot Blasting Machine



### Plate Shot Blasting Machine (Roller Conveyor Type)



For Plates upto 4500 mm width x 100 mm thickness  
 Production speed: upto 5 Meters / Minute

### Beam Shot Blasting Machine (Roller Conveyor)



With inlet & outlet roller conveyor system for job transportation

Model  
 Job size  
 MM  
 W x H:  
 500 x 1250  
 1000 x 2000  
 1500 x 2500  
 1500 x 3000  
 1500 x 3500

### Structure Shot Blasting Machine (Roller Conveyor Type)



Model  
 Job size  
 MM  
 W x H:  
 1200 x 350  
 1500 x 150  
 900 x 900  
 1200 x 1200  
 500 x 1500  
 2000 x 1000  
 2500 x 1500  
 2500 x 2500  
 3000 x 1200

With inlet & outlet roller conveyor system for job transportation  
 Production line speed: upto 5 meters / minute

### Strip Shot Blasting Machine



For strips from 100 mm to 1800 mm width  
 Production speed: upto 20 Meters / Minute

### Bar Shot Blasting Machine



For Bars from 10 - 80 mm. diameter  
 Production speed: upto 12 Meters / Minute  
 Optional: Auto Loading & Unloading system

### Billet Shot Blasting Machine



For Billet from 70 - 200 mm. diameter  
 Production speed: upto 50 Meters / Minute  
 Optional: Auto Loading & Unloading system

### Wire Rod Coil Shot Blasting Machine



Blast Wheel	Mandril Length (mm)
5 Nos.	2000
7 Nos.	3000
8 Nos.	4000
8/9 Nos.	5000

### Inline Wire Rod Shot Blasting Machine



Production Line Speed  
 35 Meters / Minute  
 45 Meters / Minute  
 60 Meters / Minute

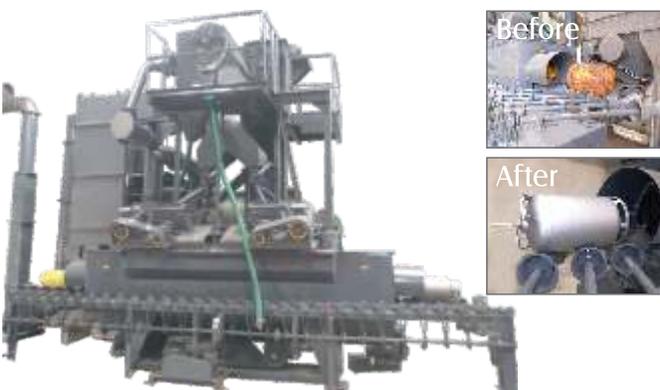
### Multi Bar Shot Blasting Machine



### Scaffolding / Centering Plate Shot Blasting Machine



### Cylinder Shot Blasting Machine



Models: 2, 4 Blast wheels Machine  
 Production: 6 - 7 Cylinders Per Minute

### Paver Block Shot Blasting Machine



Model : 650 mm width. Belt  
 Production : 600 - 700 Sq. Ft. / Hour.  
 Model : 900 mm width. Belt  
 Production : 1000 - 1200 Sq. Ft. / Hour.

Hand Cabinet Pressure / Suction Blasting Machine



Aluminium Profile Shot Blasting Machine



Granite Shot Blasting Machine (Stone Texturing)



Four Wheeler Alloy Wheel Shot Blasting Machine



Production capacity Upto 4 - 5 wheels per minute.

Roll Etching Shot Blasting Machine



Cylinder Liner Internal Wheel Blasting Machine



Blast Room Plant



Customised as per size & weight of the job, With rail track & work car. Automatic shot recovery system

Coil Spring Shot Peening Machine



Small Coil Spring Shot Peening M/c. (Tumble Type)



Hot Twin Shot Peening Machine For Coil Spring



Stress Shot Peening Machine For Leaf Spring



Gear Shot Peening Machine



Diaphragm Shot Peening Machine (Multi Table Type)



Connecting Rod Shot Peening Machine



Table Type Shot Peening Machine





Online ReBar Shot Blasting Machine



Epoxy Coating System



ReBar After Shot Blasting M/c.



ReBar FB Epoxy Coating Process



Quenching Process



Epoxy Coated ReBar

Dust Collector System



Self supporting chimney, with inspection port



Cartridge filter pulse jet type dust collector system



Secondary Filter for 1 micron dust discharge

# About Us

We are an ISO 9001 : 2015 Company and CE mark for product quality.

We offer a complete range of Airless Shot Blasting Machines, Shot Peening Machines, Air Operated Blasting Machines, Blast Room Plant, and Shot Blasting Machine for special applications. And we have been part of many success stories of leading small & large companies by helping them to improve productivity and quality since 1990.

With approximately 2,700 satisfied customers and 3500 plus machines installation in India and International market, Makes us leader in surface preparation industry in India.

PFFL is promoted by Mr. P. A. Patel. Under his dynamic leadership, PFFL has always strived on quality & service. Today PFFL is most preferred company in shot blasting industry because of strong design capabilities, quick after sales support and high quality spare part.

Mr. P. A. Patel is B.E. in Mechanical Engineering from University of Missouri, USA. He started his career at Wheelabrator Corporation, Mishwaka, Indiana, USA. He came back to India and joined family business an Indian subsidiary of Wheelabrator Corporation, Mishwaka in 1969.

PFFL has 3 manufacturing facilities 2 plants are located in Vadodara, Gujarat and 1 plant is located in Mumbai, Maharashtra.

**Plant 1:** Located in Vadodara, Gujarat, manufacturing facility is spread over an area of 1 acre with Design Team, Modern Machine Shop, Fabrication Shop, Dust Collector Manufacturing Line, Blasting Machine Assembly Line, Control Panel Manufacturing, Sales & Service Engineer Team.

**Plant 2:** (Sister concern firm M/s. Nipun Alloy) is foundry, manufacture high quality alloy casting spare part for shot blasting machine. Foundry is equipped with Sand Plant, Shell Molding, Electrical Induction Furnace shot blasting machine and lab.

**Plant 3:** Located in Mumbai which specialize in manufacturing machine component and heat treatment component for shot blasting machine.

We also represent PANGBORN Group USA, In India. For sales and after sales support of their equipment. PANGBORN is world leader in shot blasting, shot peening and surface preparation technologies since 1875.

## Sales & Services Network

Delhi  
Bangalore  
Pune  
Rajkot

Mumbai  
Hyderabad  
Kolhapur  
Chennai

Jamshedpur  
Jaipur  
Kolkata  
UAE

Saudi Arabia  
South Korea  
Malaysia  
Egypt



An ISO 9001 : 2015 COMPANY

### PATEL FURNACE & FORGING PVT. LTD.

(Shot Blasting Division)

HO & Works: A/2-510. G.I.D.C., Makarpura, Vadodara - 390 010. Gujarat, INDIA.

Tel. : +91-265-264 4864 / 0406

E-mail : info@pshotblast.com

M. : +91-97370 61333

E-mail : sales@pshotblast.com

Fax : +91-265-264 3663

Website : www.pshotblast.com

Reg. Off. : 4/B, Pravasi Estate, Veshweshwar Nagar, Goregaon (E),  
Mumbai-63. INDIA.

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