

Surfex®



Per HP More Shots Thrown Power Efficient Technology

Bigger Blast Pattern Size More Cleaning Output

Bigger Hot Spot Size Better Peening with More Output

More Shots Velocity Better Cleaning and Peening Output

Lesser Wear and Tear of Parts Save Money on Maintenance



Assured On-Time Delivery
Due to Better Production
Management



Leak-Proof Design



Higher Life of Wear
Parts



Safe Operation Ensured/
Both Training & After Sale
Services Provided

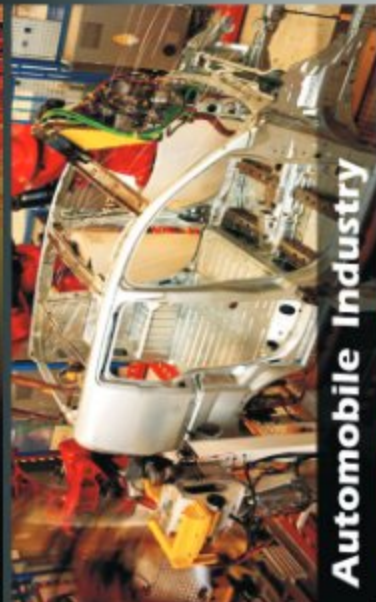
INNOVATIVE

Range of

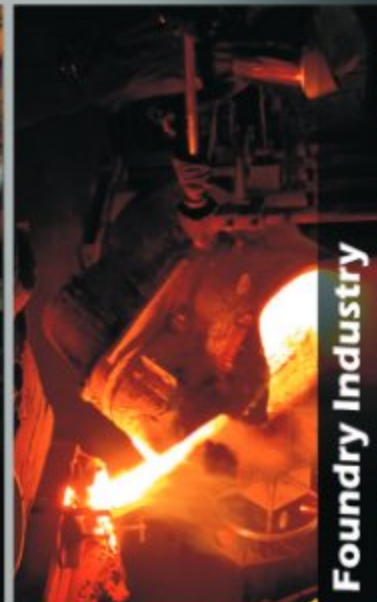
Shot Blasting & Peening Machines



Forging Industry



Automobile Industry



Foundry Industry



Engineering Industry



PREAMBLE

"Surfex" Surface Finishing Equipment Company was founded in 1977 in Jodhpur, Rajasthan, India, with a modern workshop in an area of 8000 square meters. The company started manufacturing Sand/ Shot Blasting & Peening Machines.

With the passage of time, the company expanded its activities to fulfill the diverse needs of global industries. Numerous new models of Sand/ Shot Blasting Machines have been introduced. It has also established its own R&D department for the comprehensive and advanced design of customized machines.

In 2002, the company was recognized with the prestigious Quality Management System ISO 9001:2015 and Environmental Management System ISO 14001:2015. To date, the company has supplied more than 6,000 pneumatic blasting machines as well as airless blasting machines. Shot blasting machines have also been sourced by a few competitors from us. Recently, we have also started the Shot Peening Application Centre within our campus and availing the services of external agencies for stress analysis test, etc.

The Company has also acquired CE Mark

With 47 years of rich experience, the Company is having strong foundation to grow vertically and horizontally. The Company has also tied-up with Modern Foundries for producing high quality Alloy Steel Castings as per our Specification. The Company has also regularly participated in leading Engineering Exhibition like IMTEX, IFEX-India, International Trade Fair, Steel FAB-UAE & a few Regional Engineering Fairs.

Mr. K.K. Modi, the Managing Director of this company, has 47 years of rich experience in the Manufacturing and Marketing of Shot Blasting & Peening Machines. Mr. Chirag Modi (BE Mech.) oversees the entire technology area of the enterprise to meet global requirements and shape industries with his vision. Mr. Chintan Modi has wide experience in customer interaction and satisfaction. Mrs. Pragya Modi, ACA looks after the commercial management of the company. Mrs. Munmun Modi is an MBA who looks after sales promotion and marketing activities. The company's expertise in this field is enhanced by the extensive experience of its personnel, which enables them to deliver concrete results.



SURFEX BLAST WHEEL

Control Cage



Impeller



Wheel Blade



Bare Wheel



OUR CLIENTELE





The most economical model especially recommended for Shot Blasting of Small Tumble components.

The capacity of Machine is 100 kg. and it consumes 6 HP Power and require 30 kg. of media to run. The components are loaded in barrel which rotates a Small Blast Wheel, Size 11" is located and strategically angled positioned in the Machine which shot blast clean all the components. The Blast Cycle time per batch is 15 to 20 minutes.

This Machine is produced

Rotary Barrel Type Shot Blasting Machine (RBF1& RBF2)



This is Table type shot blasting/Peening machine recommended for Medium to Heavy jobs. The jobs are kept on table which is Rotating Type. Different sizes of Models are available for various sizes of jobs. Normally Standard Table sizes are 750 mm Dia., 900 mm Dia., 1200 mm Dia., 1800 mm Dia. & 2800 mm Dia. etc.

Customized machine for very heavy job can also be designed.

This Machine is produced as per ISO 9001-2015 & CE Marked.

Swing Table Type Shot Blasting Machine



This is Tumblast Type Shot Blasting Machine recommended for Small to Medium size of Casting, Forging. The job is placed on Endless Rubber Conveyor of the Machine. The movement of belt makes the job to tumble gently. A Blast wheel is strategically positioned which throw Shots on the job. The Machine can also equipped with Loader and various other Accessories.

This Machine is produced as per ISO 9001-2015 & CE Marked.

Tumblast Type Machine



This machine provides benefit of two machines in one machine. The job which cannot be hanged can be kept on revolving table and hangable jobs are kept on specially designed hangers.

This Machine is produced as per ISO 9001-2015 & CE Marked.

Table cum Hanger Type Shot Blasting Machine

Flawless Services Since 1977





Door Hanger Type Shot Blasting Machine



There are 8 Models of Hanger Type Shot Blasting Machine available for selection. The selection of Model is done based on size of job. This is most economical version of Hanger type shot blasting machine in which hanger is hinged to door. On this hanger, the jobs are placed. The Hanger rotate in Blasting Zone, resulting into complete exposure of the jobs placed on the Hanger.

The Machine is equipped with two Blast Wheel Stations to cover the complete height and diameter of Hanger.



Y- Hanger Type Shot Blasting Machine



This Machine is another type of Hanger Type Shot Blasting Machine. In Y type, rail is provided over head for transporting Hanger into Blast Cabinet. The Y type arrangement facilitate almost 95% use of blasting time of Machine. The job is transported on hanger which is taken into Blast cabinet for blasting purpose. Hanger is rotated in Blast Chamber for complete coverage of Hanger. Two or more Blast Wheel stations are provided for covering entire height and diameter of hanger.

This is another type of Hanger type shot blasting machine in which the continuity of operation of blasting is almost



Indexing Table / Hanger Type Shot Blasting Machine



This machine consist of 4 chambers. Each chamber is provided station / hanger on which jobs are loaded, The loaded station /hanger is moved to the blasting chamber. The blasting chamber is equipped with two Blast Wheel Stations. The station / hanger revolves in this chamber making all the jobs loaded on the station / hanger cleaned thoroughly. After cleaning, the station / hanger moves to the next chamber and next adjoining loaded station / hanger is transferred to the blasting chamber, as such continuity of blasting operation is maintained resulting into enhanced cleaning rate.



Close Loop Conveyor Type Hanger Shot Blasting Machine



This Machine is heavy duty type Hanger Type Shot Blasting Machine in which continuity of blasting is almost maintained. The machine consist of 3 to 4 motorized hanger which are mounted on continuous loop chain type conveyor system. The blast cabinet is equipped with 4 Blast wheel station [or more] positioned opposite each other strategically. The job is transported into Blast Cabinet. Hanger revolves making complete exposure of blast stream to the jobs. There after hanger moves out of Blast Cabinet for unloading purpose.

The next hanger takes position in blast cabinet for blast cleaning purpose. Thus almost continuity of operation is maintained. The machine is

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Shot Blasting/ Peening Machine For Coil Spring



Coil Spring Shot Peening Machine – It consist of twin roller and chain conveyor system, coil springs are loaded on twin roller upon chain conveyor. The chain conveyor push forward the coil spring horizontally while twin roller makes it to rotate. Coils are transported into Blast chamber which houses 1 or 2 number of Blast wheel stations strategically positioned. Coils are fully exposed to blast stream and shot blast cleaned/peened. The shot blasted/peened coil springs are transferred to outlet side of conveyor for unloading purpose.



Aluminum Profile Cleaning Machine



This machine consist of inlet and outlet conveyor system suitable for handling various types of Aluminium/ Non ferrous long members. The Blast Chamber is equipped with specially developed Blast Wheel Station for imparting different types of surface texture on Aluminium members. An Outlet Conveyor is equipped with automatic unloading system. Machine is self contained and can be operated by single operator.



Diabola Type Shot Peening Machine



Diabola Shot Peening Machine – The machine consists of Diabola system for conveying rods etc. horizontally into Blast Chamber for shot blasting/peening application. The blast chamber is equipped at 1/2/3 Blast wheel station. Rods are loaded on conveyor system which transport rods into blast cabinet for shot blasting/peening purpose. After shot peening/ blast cleaning, the jobs are taken out at outlet conveyor for unloading purpose.

This Machine is produced as per ISO 9001-2015 & CE Marked.



Shot Blasting/ Peening Machine For Leaf Springs



Shot Peening Machine for Leaf Spring – This machine consist of Chain conveyor system on which leaf springs are loaded. The leaf springs are transported into Blast chamber which houses 1 or 2 Blast wheel station for Shot blasting/peening purpose. The springs are shot peened and taken out at outlet side of conveyor system for unloading purpose. In this machine, 2 springs can be simultaneously shot blasted/peened.

This Machine is produced as per ISO 9001-2015 & CE Marked.

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This is Roller Conveyor Horizontal Type Multiple Blast Cleaning Machine :

The machine consist of Horizontal roller conveyor & Multiple Blast wheel station mounted on Blast Chamber.

The jobs like Joists, Rails are placed on inlet side of conveyor, which transport it to Blast chamber for cleaning purpose. The blast cleaned job is taken out at outlet portion of conveyor for unloading purpose.

This Machine is produced as per ISO 9001-2015 & CE Marked.

Roller Conveyor Type Shot Blasting Machine For Structure Cleaning



This is High Speed Shot Blasting Machine for Rods, Tubes etc. :

It consists of special conveyor system for conveying Rods/Tubes of different diameter at very high speed. 8 Wheels size 21" diameter are positioned on 4 Blast cabinet, each blast cabinet is fitted with 2 blast wheel stations.

This Machine is produced as per ISO 9001-2015 & CE Marked.

High Speed Shot Blasting Machine For Round & RCS Bars



This Machine consist of Horizontal roller conveyor / Rubber belt / Wire mesh conveyor system. One or more blast wheel stations are strategically located on Blast chamber.

Stone /Pavers block / Tiles etc. are placed on horizontal conveyor which transport the job to Blast chamber. The blast wheel station fire abrasive on job and clean it and impart surface finish to the job as per requirement. The blasted job is taken out at outlet side of conveyor system for unloading purpose.

Stone Texturing Machine



LPG Cylinder Cleaning Machine – The LPG cylinder is placed on especially designed Diabola conveyor system, On Diabola cylinder rotate while moving. In blast chamber, 1 or 2 blast stations are strategically positioned which fire abrasive at high velocity. The Cylinder is thoroughly cleaned and taken at five outlet conveyor for next treatment.

This Machine is produced as per ISO 9001-2015 & CE Marked.

Diabola Type Shot Blasting Machine For Cylinders

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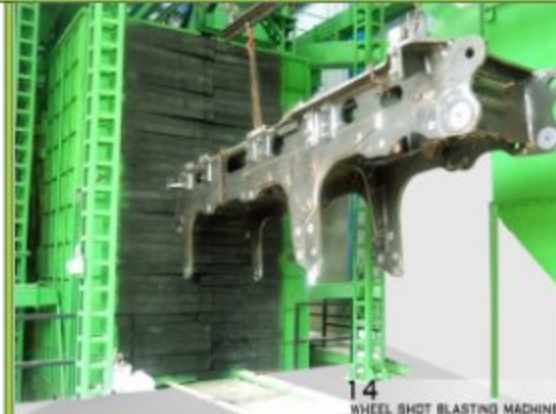




This Machine consists of Roller Conveyor System on which plates are transported horizontally to Blast Cabinet. After thorough shot blasting cleaning of Plate both sides, it is transported on outside Roller Conveyor for further treatment like Primer Coating & Oven Baking etc.

This Machine is produced as per ISO 9001-2015 & CE Marked.

Plate Cleaning Machine



This is Mono Rail Mega Hanger Type Shot Blasting Machine. Multiple wheels are located on designed location to cover entire surface of jobs. The job is thoroughly shot blast cleaned in Single Pass due to action of Multiple Wheel. Mono Rail of Machine is equipped with Heavy Duty Hoist & Crane which transport job into Blast Cabinet for cleaning purpose. The cleaned job is transported to outlet side of the Mono Rail for unloading purpose.

This Machine is produced as per ISO 9001-2015 & CE

14- Wheel Hanger Type Shot Blasting Machine



This Machine is Continuous Operating Type Shot Blasting Machine. The jobs are loaded on hanger at inlet side which are transported into blast cabinet. Jobs loaded on hanger are shot blast cleaned. The Multiple Blast Wheel Station are strategically located in blast cabinet. After shot blasting, the job is automatically moves to outlet side of conveyor for unloading purpose. The unloaded hanger is transported to loading side for further loading purpose. The Machine is recommended for high production application for Small to Medium size of job.

12- Wheel Hanger Type Shot Blasting Machine



This Machine consist of 4 Wheel. The job is loaded on inlet side of Mono-Rail Conveyor having Heavy Duty Hoist & Crane Arrangement and transported into Blast Cabinet which is equipped with Multiple Blast Wheel Station strategically located on Blast Cabinet. Thus job is fully blast cleaned and taken out from outlet conveyor for unloading purpose.

This machine is produced as per ISO 9001-2015 & CE

I- Conveyor Type Hanger Shot Blasting Machine

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Steel strip is very sensitive to shot blasting due to lower thickness and specific requirement of Roughness. This machine is provided with two compact Blast wheel stations for cleaning and etching strips from both side. Pu Coated Guide Rollers are provided at inlet and outlet side of the machine. The machine is self contained and can be operated by single operator. The machine is produced as per ISO:9001-2015 & CE Marked.

Strip Cleaning Machine



Maintenance Free Technology used. Blast Wheel Casing made of Manganese Rolled Sheet & other parts are of Hardened Die Steel Material to enhance life manifold.

High Speed Advance Direct Drive Blast Wheel

Type of Steel Shots & Steel Grit



Airless Magna Valve for Shot Flow Control & Measurement



Digital Almen Gauge



Almen Strip



Almen Strip Holder

SURFACE CLEANLINESS LEVELS			
Condition - A Unblasted	Condition - B Unblasted	Condition - C Unblasted	Condition - D Unblasted
Condition - A Blasted to Sa1	Condition - B Blasted to Sa1	Condition - C Blasted to Sa1	Condition - D Blasted to Sa1
Condition - A Blasted to Sa2	Condition - B Blasted to Sa2	Condition - C Blasted to Sa2	Condition - D Blasted to Sa2
Condition - A Blasted to Sa2.5	Condition - B Blasted to Sa2.5	Condition - C Blasted to Sa2.5	Condition - D Blasted to Sa2.5
Condition - A Blasted to Sa3	Condition - B Blasted to Sa3	Condition - C Blasted to Sa3	Condition - D Blasted to Sa3

Steel Shot		Steel Grit	

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