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AUSTRALIA, NEW ZEALAND & SE ASIA

THOUGHT-LEADER IN STEEL PROCESSING AUTOMATION

SUPERIOR MACHINERY SYSTEMS
SUPERIOR EDGEBLAST SHOT BLASTING SYSTEM

WHERE CLEAN STEEL MEETS SMART ENGINEERING

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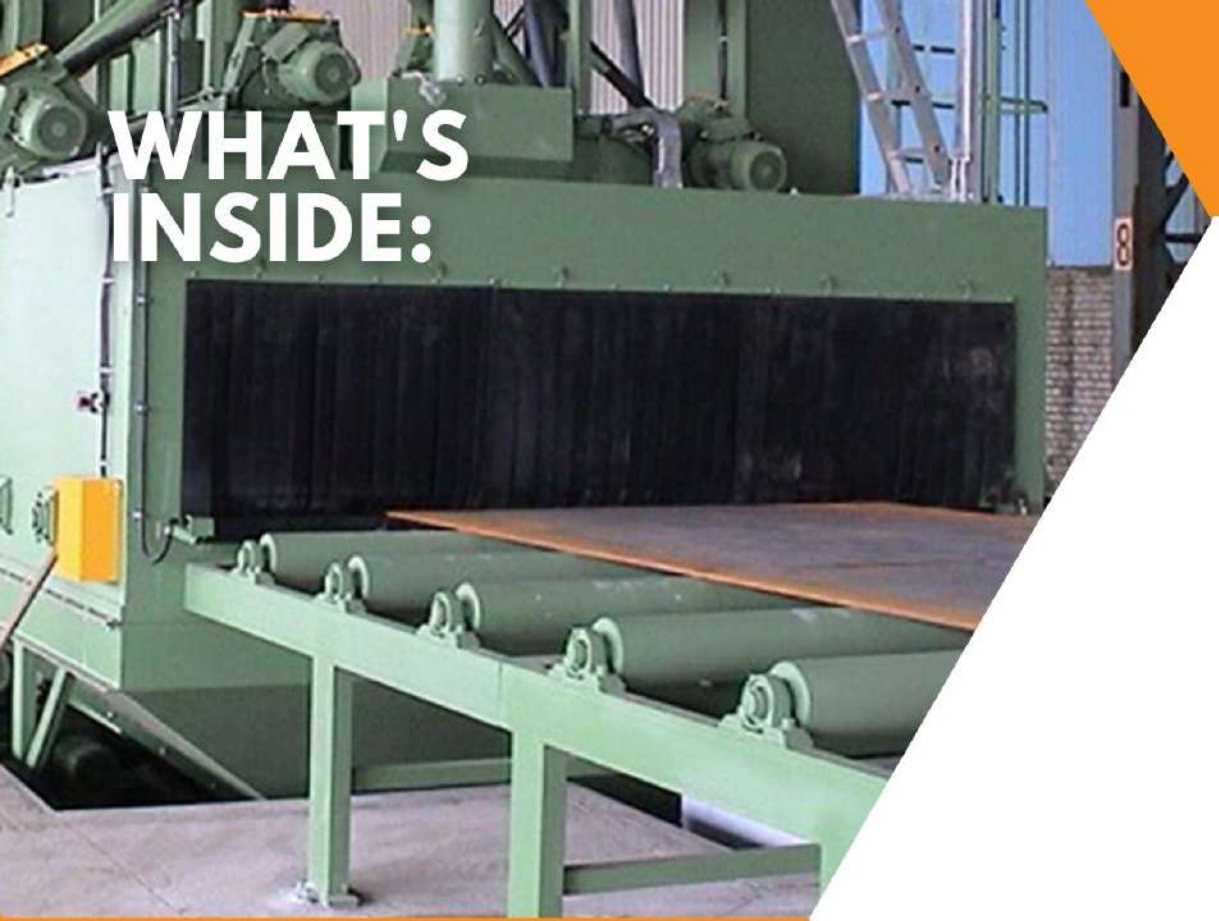

WHAT'S INSIDE:

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BACKGROUND

With over 30 years of proven expertise in shot blasting technology, the SUPERIOR EdgeBlast manufacturer has consistently focused on developing and producing high-quality machines for advanced surface treatment. The business was founded by a team of highly qualified experts with deep knowledge in blasting systems, and in its early years, it collaborated closely with a leading Italian producer to build its foundation on strong Western technology.

Today, it has grown into one of Europe's foremost manufacturers of shot blasting machines, trusted by some of the world's most prestigious companies across diverse industries. Its specialisation in foundry applications is particularly notable, with more than half of its machines tailored for the unique demands of the foundry sector.

Headquartered in Slovenia, the SUPERIOR EdgeBlast manufacturer designs and produces a complete range of shot blasting machines. In addition to its main office and production facility, it operates two additional plants—one dedicated to standard compact machines and another specialising in the largest, heavy-duty systems.

With a total production area of approximately 6,000 m², the group employs around 60 highly qualified professionals supported by a network of external specialists, ensuring the highest standards of engineering, efficiency, and reliability in every project.

SAVIM

SOME REFERENCES

Over the years, the business has grown into one of Europe's leading manufacturers of shot blasting machines, trusted by some of the world's most prestigious companies. Its custom-built systems are used across an extensive range of industries and applications, reflecting a proven track record of quality and innovation.

JUNGHEINRICH

ABB SIEMENS

DOOSAN MAHLE

PALFINGER

VOIT

SKODA CIE Automotive

PROCUREMENT PROCESS

With an annual turnover of approximately €10–13 million in recent years, the business stands among the most financially reliable in its region. Its strong performance has been recognised with a Platinum Creditworthiness Award, placing it in the top 1.5% of companies nationwide.

Over the past 30+ years, more than 1,300 shot blasting machines have been delivered to clients across 40+ countries, demonstrating a strong global presence and proven track record.

The process is designed to ensure transparency, precision, and customer satisfaction at every stage:

- Initial consultation with the customer
- Proposal tailored to specific requirements and technical needs
- Contract agreement and confirmation
- Layout and foundation plan approval
- Equipment design by the engineering team
- In-house assembly of equipment
- Pre-acceptance testing with the customer present
- Signing of the Pre-Acceptance Protocol
- Disassembly and preparation for delivery
- Transport to the customer's facility
- On-site assembly and installation
- Final testing and commissioning
- Signing of the Final Acceptance Protocol
- Ongoing after-sales support throughout the equipment's lifetime

MAIN ELEMENTS OF ALL SHOTBLASTING SYSTEMS

All shotblasting machines share several core elements that define the technology:

- Robust housing with integrated blasting chamber
- High-performance throwing wheels (turbines) with precision shot valves
- Hopper with screw conveyor or vibrating sieve for media handling
- Bucket elevator for efficient abrasive circulation
- Air abrasive cleaner or magnetic separator with storage silos

Each machine type is then distinguished by its specific workpiece transport system—such as hangers, trolleys, conveyors, or tables—that determines its operational style.

In addition to these main components, a wide range of optional upgrades can further enhance performance, efficiency, and operator convenience:

- Automatic shot replenishment
- Steel shot bypass systems
- Acoustic enclosures for noise reduction
- Advanced HMIs with upgraded visualisation
- Digital ammeters for monitoring
- Nano-filtering cartridges and absolute filters
- Electronic Δp measurement systems
- And many more customisation options

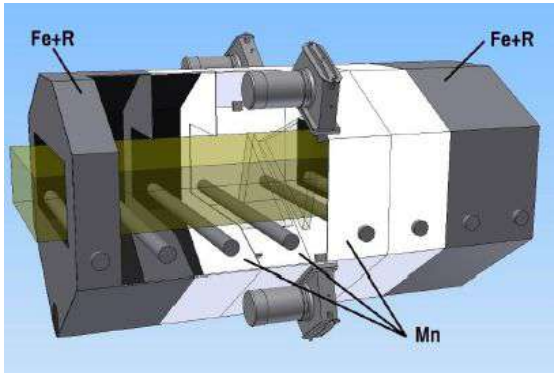
MACHINE HOUSING WITH BLAST CHAMBER

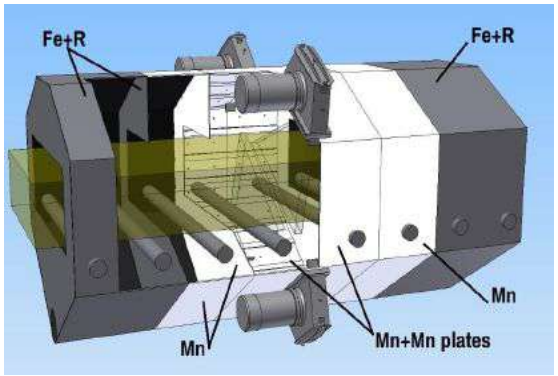
All shot blasting machines are manufactured using high-grade materials and finished to exacting standards. Special emphasis is placed on durability and resistance to abrasive wear:

- All wear-exposed surfaces are constructed from abrasion-resistant steel (Hatfield Mn steel X120Mn12).
- Mobile components located in areas where abrasive leakage may occur are carefully sealed and protected to prevent damage.
- For heavy-duty operations, housings are fabricated from Mn steel and reinforced with replaceable Mn steel armor plates, ensuring extended service life and reliability.

To support ease of use, the machines are designed with strategically placed access openings, allowing operators to perform inspections and maintenance quickly and efficiently.

Every machine is built in full compliance with current safety regulations and the European Machinery Directive, ensuring both operator protection and operational reliability.





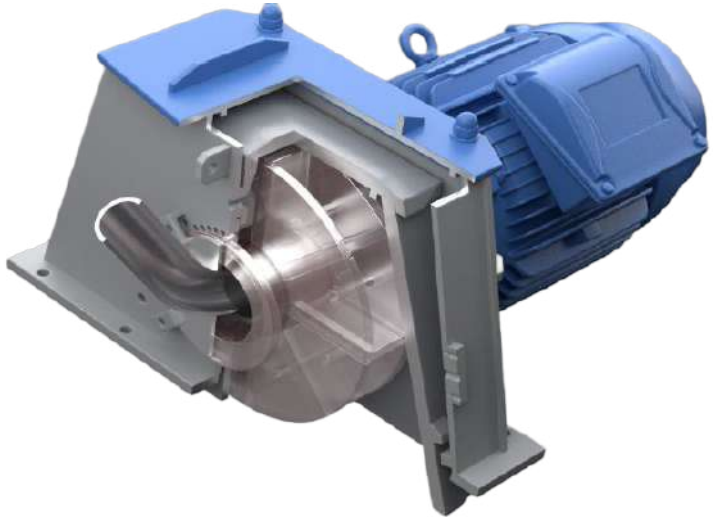
THROWING WHEELS (TURBINES) AND SHOT VALVES

Throwing wheels are the heart of every shot blasting machine, directly influencing efficiency, surface quality, and operating costs. Continuous innovation in design and materials ensures maximum blasting performance with reduced wear and maintenance requirements.

How it works:
Shot blasting media is fed into the center of a high-speed rotating wheel. Centrifugal force propels the media through precision-engineered blades, projecting it onto the workpiece surface. The interaction between the blasting media and wheel components determines the cleaning power, coverage, and final finish.

Key Features:

- Optimised Efficiency: Designed to deliver consistent blasting power while reducing energy consumption.
- Durable Construction: Made from wear-resistant materials to extend service life.
- Precision Balance: Dynamically balanced rotors and blades guarantee smooth, vibration-free operation.
- Custom Configurations: Different wheel types are available to suit specific process requirements and workpiece geometries.



THROWING WHEELS (TURBINES) AND SHOT VALVES

MODEL	DIAMETER (IN MM)	NUMBER OF BLADES
WS1 / M	Ø265	6
WX1 / M	Ø330	6
W1E / M	Ø360	8
W2C	Ø400	8
W4D	Ø400	8
W5	Ø500	8

Through advanced engineering and material selection, these throwing wheels ensure superior surface treatment, lower operating costs, and long-term reliability — making them indispensable for high-performance shot blasting systems.

THROWING WHEELS (TURBINES) AND SHOT VALVES

Materials of main throwing wheel elements:
- Chromium steel
- Tool steel
- Hard metal

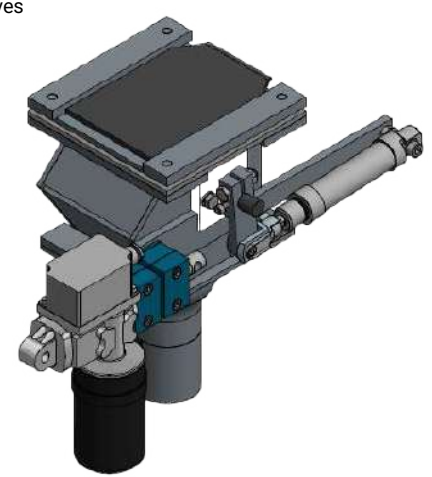
Easy maintenance:
All throwing wheels are engineered for quick and straightforward maintenance, featuring simple blade insertion with auto-fixation and precise geometrical centring of shields.

Retrofitting:
Our throwing wheels are easily adaptable to any existing configuration, delivering higher productivity while reducing operational costs.

Shot valves for feeding of shot to throwing wheel:
- Automatic on/off valves
- Two working positions automatic shot valves
- Linearly adjustable automatic shot valves
- Automatically adjustable shot valves by setting the shot throughput of throwing wheels and automatically maintaining the set interval

Feeding inlet pipes:
- Made of hardened steel
- Different geometries for optimum shot flow

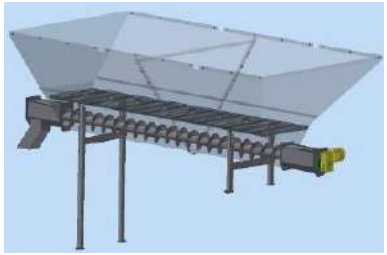
Available upgrades of throwing wheels:
- Vibration control sensors
- Housing made from Mn steel
- Frequency inverters to control speed of shot
- Different shapes of control cages
- Direct or indirect drive
- Slow starter for high power throwing wheels
- Different materials of throwing wheels parts
- Different variants of shot valves

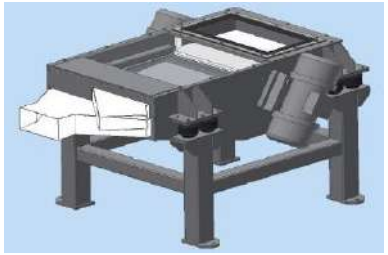


HOPPER WITH SCREW CONVEYOR OR VIBRATING SIEVE

They are used to transport the mixture of shot and impurities from beneath the blasting chamber to the bucket elevator. The vibrating sieve (shown in the photo on the right) is particularly valuable in environments such as foundries or forges, where larger pieces of scrap may detach from workpieces during blasting.

These fragments are separated by the sieve, preventing potential damage to subsequent machine components.



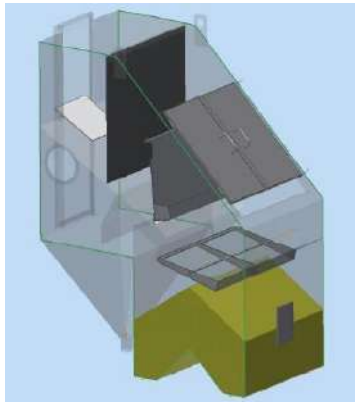


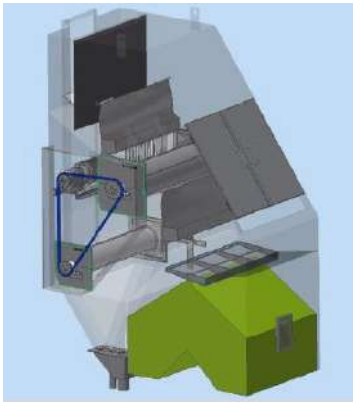
BUCKET ELEVATOR (UPPER PART WITH BELT TENSIONING AND DRIVE, LOWER PART WITH ROTATION SENSOR)

It transports the mixture of shot and impurities from the lower section of the machine (screw conveyor or vibrating sieve) to the upper section (air abrasive cleaner or magnetic separator).

AIR ABRASIVE CLEANER OR MAGNETIC SEPARATOR WITH SILOS

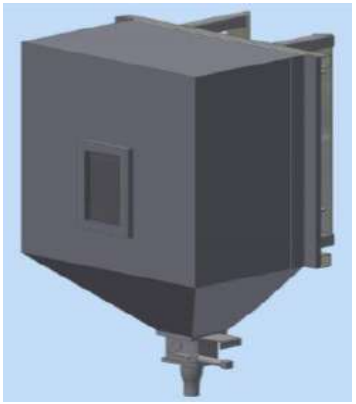
In the air cleaner (photo on the left), dust and impurities are separated from the shot using airflow. In the magnetic separator (photo on the right), commonly used in foundries, non-magnetic foundry sand is separated from magnetic steel shot, ensuring clean, reusable media.





SOME OPTIONAL UPGRADES ON ALL MACHINES

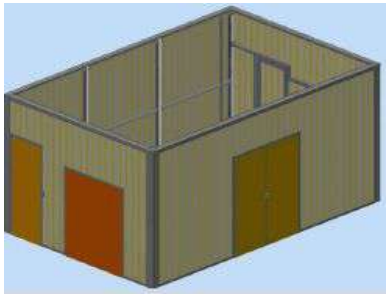
Automatic adding of shot
It consists of a silos with electro-pneumatic valve positioned on the side of the bucket elevator, coupled with the shot level sensor on the shot silos. When minimum shot level is reached the system automatically adds shot into circulation.



SOME OPTIONAL UPGRADES ON ALL MACHINES

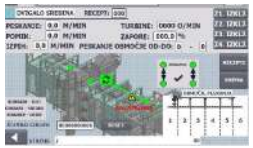
Bypass for steel shot
In case of extremely dirty workpieces and consequently heavy load of dirtiness in the circulating shot, a bypass shot system can be installed to assure perfectly clean steel shot.

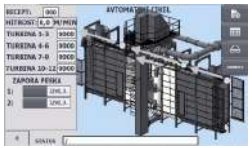
Noise damping enclosures
To decrease the noise level of shotblasting machine, the noise damping enclosure can be installed.

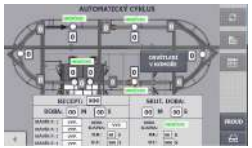


HMI with upgraded visualisation
In connection to complexity of process to be monitored/controlled and customers demand, different upgraded HMI color touch displays and Central processors are available. Upgrades allow extra flexibility and communication possibilities, especially in connection to Industry 4.0 standards. Many different options have to be discussed individually. For bigger units we offer also remote diagnostics of the machine through internet connection, with control of all the machine functional parameters.

Below are some screenshots from our displays.







SOME OPTIONAL UPGRADES ON ALL MACHINES

Digital ammeters
To assure fast and reliable control of turbines, which are the most important part of shotblasting machines, analog ammeters for turbine current measurement are installed on electric switch box.

If more control is desired (remote control, history monitoring, alarm triggering, current setting), the measurement of turbine current can be upgraded with digital system. In this case, this upgraded functionality can be executed and the current value is also shown on the HMI touch display.

Nano filtering cartridges
So called nano filter cartridges have special coating on surface which prevent the fine dust particles to enter deeper into filtration material. In this way the lifetime of cartridges is extended. Such coating allows also increasing the filtering surface of each cartridge without hindering the filtration/cleaning effect, allowing in this way to install dust collectors with smaller dimensions.

Electronic Δp measuring
Electronic delta P control card allows energy saving due to running the blow off cycle of cartridges only when necessary and also triggers an automatic alarm when clogged cartridges are detected.

Absolute filters
In addition to primary cartridge dust collector with guaranteed emissions, also additional absolute filter with bags can be installed on the output of cartridge dust collector. Its task is additional safety regarding dust emission in case of primary filter malfunction and additional lowering of the dust concentration on exhaust. This type of absolute filter is used primarily for returning of cleaned air back into production halls.

MAIN TYPES OF SHOTBLASTING MACHINES

- Roller conveyor shotblasting machines for blasting of plates and profiles (type PAP/PRO)
- Hook (spinner hanger) shotblasting machines (type H)
- Continuous hook shotblasting machines (type CH)
- Tumble belt shotblasting machines with rubber belt (type B/R) or steel belt (type B/S)
- Conservation lines (preheating, blasting, painting, drying)
- Tunnel overhead rail shotblasting machines (type TOR)
- Turntable shotblasting machines (type T)
- Mesh conveyor shotblasting machines (type MC)
- Bars shotblasting machines for single bars (type BAR/S) or multiple bars (type BAR/M)
- Pipes shotblasting machines (type PIP)
- Single wire shotblasting machines (for de-coiled wire) (type SIW)
- Gas bottles shotblasting machines (type GAB)
- Shot peening/stress peening shotblasting machines (type PIN)
- Universal shotblasting machines (type UNI)
- Manual shotblasting chambers (type KOM)
- Cartridge dust collectors (type CDR)
- Other special applications shotblasting machines

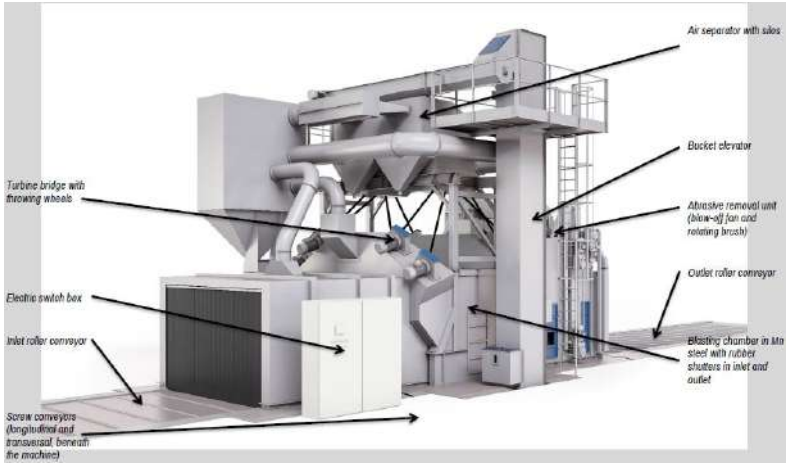
ROLLER CONVEYOR SHOTBLASTING MACHINE FOR BLASTING OF PLATES AND PROFILES (TYPE PAP/PRO)

"PAP" and "PRO" series shotblasting machines are designed for continuous blasting of plates and profiles, and also welded constructions. Special attention has been paid to the positioning of turbines that provide the optimum efficiency and uniform cleaning of work pieces.

Plates or profiles are loaded onto an input roller conveyor that transports work pieces through the tunnel part of the machine. On the outer brim of the tunnel's shotblasting part, there are turbines that provide optimum cleaning of work pieces from the top and bottom side. Work pieces go on through the abrasive removal unit which removes abrasive off of the top surface, finally reaching the output roller conveyor.

Characteristics

- PAP" and "PRO" series shotblasting machines are designed for shotblasting plates of all standard widths and lengths, and they are also suited for blasting standard profiles of any dimension
- Special machine variants also allow the shotblasting of welded constructions
- "PAP" and "PRO" series machines provide continuous regulation of operating speed and, if required, also the regulation of steel shot flow
- Shotblasting is turned on automatically, when work pieces travel under turbines
- All machines are equipped by standard with a blow-off fan for removing steel shot from the top surface of work pieces, whereas in larger surface areas greater effect is achieved by using a rotation brush



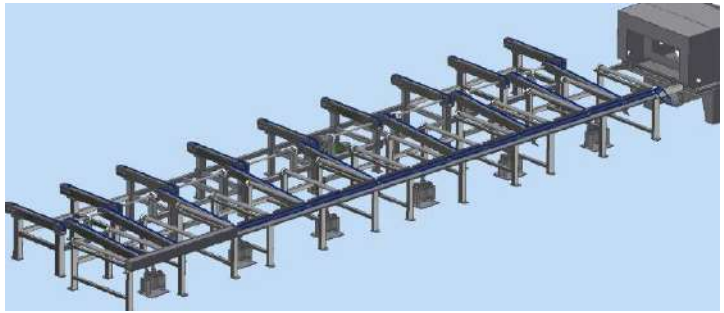
- There is a selection of machines available with different sizes of work space and with numerous optional accessories which allow us to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments, such as rolling mills, shipyards, etc.

ROLLER CONVEYOR SHOTBLASTING MACHINE FOR BLASTING OF PLATES AND PROFILES (TYPE PAP/PRO)

Some Features

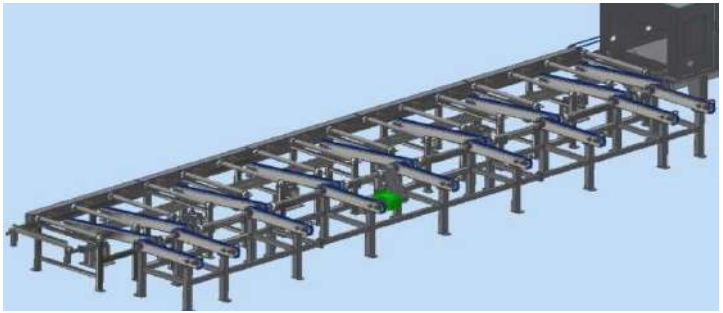
Transversal Loading Conveyor and Input Roller Conveyor
Transversal loading conveyor allows for less downtime in the work of the machine in heavy duty operations, due to the possibility to load the pieces onto it while the previous work piece is still traveling on the input roller conveyor. There can be different executions of this conveyor, with pneumatic, mechanic or hydraulic lifting, with work pieces moving on carrying chain or on trolleys.

In the input roller conveyor the rollers are positioned on a sturdy steel structure and provided at both ends by supporting bearings. They are coupled, through the chain belt transmission, to the drive of the roller conveyor inside the machine.



Output Roller Conveyor and Transversal Unloading Conveyor
Transversal unloading conveyor allows for less downtime in the work of the machine in heavy duty operations, due to the possibility to unload the pieces onto it allowing for the next work piece to arrive uninterruptedly on the output roller conveyor.

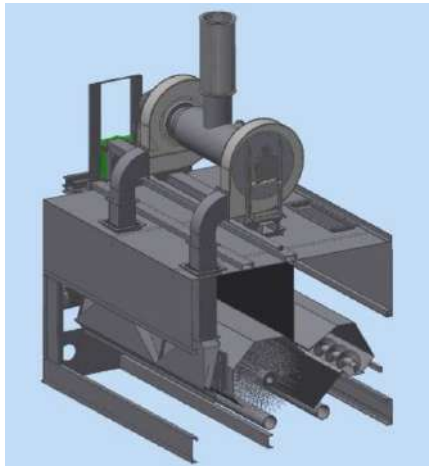
There can be different executions of this conveyor, with pneumatic, mechanic or hydraulic lifting, with work pieces moving on carrying chain or on trolleys.
In the output roller conveyor the rollers are positioned on a sturdy steel structure and provided at both ends by supporting bearings. They are coupled, through the chain belt transmission, to the drive of the roller conveyor inside the machine.



ROLLER CONVEYOR SHOTBLASTING MACHINE FOR BLASTING OF PLATES AND PROFILES (TYPE PAP/PRO)

Some Features

Abrasive Removal Unit (Rotating Brush and Blow-off Fans)



ROLLER CONVEYOR SHOTBLASTING MACHINE FOR BLASTING OF PLATES AND PROFILES (TYPE PAP/PRO)

Machine Type	PAP 6x6	PAP 10x7	PAP 15x6	PAP 20x5	PAP 22x5	PAP 25x7	PAP 32x6	PAP 42x5
Max. width for plates [mm]	600	1000	1500	2000	2200	2500	3200	4200
Max. height for profiles [mm]	1000	700	600	500	500	700	600	500
Roller conveyor load capacity [kg/m]	450	800	800	1000	1000	1200	1400	1600
Blast wheel motor power [kW]	4x5,5	4x7,5	4x7,5	4x11	6x11	6x15	8x11	10x11 / 10x15
Rotary brush	○	○	○	✓	✓	✓	✓	✓
Blow-off ventilator	–	–	–	✓	✓	✓	✓	✓

Disclaimer: The table shows standard PAP/PRO type machine dimensions; custom sizes and specifications are available upon request.

HOOK (SPINNER HANGER) SHOT BLASTING MACHINE (TYPE H)

HOOK (SPINNER HANGER) SHOTBLASTING MACHINE (TYPE H)

H series shotblasting machines are designed to blast castings, welded pieces, forgings, etc. They are especially suitable for blasting sensitive pieces that may not strike one another during a shotblasting procedure. They operate on the tact principle with a setting of shotblasting time. Work pieces are hung individually or in clusters onto a rotating hook that is fixed on a trolley on the transport rail. Transport rails may be produced in a variety of shapes and load capacities. The transport of work pieces to the door of the machine is carried out with a trolley on the transport rail, whereby the trolley may be manually or power driven.

From here on, the movement of the trolley into the machine is automatic. During shotblasting, work pieces on the rotating hook spin in front of turbine jets, thus achieving uniform blasting of all surfaces. After the shotblasting cycle is concluded, the trolley containing work pieces is automatically transported from the machine.

Characteristics

- H series shotblasting machines are designed for blasting small and big, as well as geometrically demanding pieces
- They are used in technologies, such as cleaning and removing foundry sand and cores, rust removal and roughening, shotblasting aluminium castings, forgings, and welded parts, etc.
- During shotblasting, work pieces rotate and oscillate, whereby high-quality cleaned surface of all shapes of work pieces is achieved
- There is a selection of machines available with different sizes of work space and with numerous optional accessories which allow us to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments, such as foundries, forging plants, etc.

HOOK (SPINNER HANGER) SHOTBLASTING MACHINE (TYPE H)

Machine Type	H 6x10	H 9x14	H 12x18,5	H 15x20	H 20x20	H 25x35	H 30x40	H 35x35	H 40x50
Max. working diameter (mm)	600	900	1200	1500	2000	2500	3000	3500	4000
Max. working height (mm)	1000	1400	1850	2000	2000	3500	4000	4500	5000
Hook type	M	M / A	M / A	A	A	A	A	A	A
Max. hook loading capacity (kg)	2×350	2×500	2×1000	2×2500	2×2500	1×5000 / 2×2000	1×8000	1×12500	1×20000
Blast wheel motor power (kW)	2×4 / 2×5,5 / 2×7,5 / 3×5,5	2×7,5 / 2×11 / 3×7,5	3×11 / 3×15	3×11 / 3×15 / 3×18,5	3×11 / 3×15 / 3×22	5×11 / 5×15	5×18,5	5×22	7×18,5 / 7×22
Magnetic separator	O	O	O	O	O	O	O	O	O

Disclaimer: The table shows standard H type machine dimensions; custom sizes and specifications are available upon request.

CONTINUOUS HOOK SHOTBLASTING MACHINE (TYPE CH)

CONTINUOUS HOOK SHOTBLASTING MACHINE (TYPE CH)

CH series shotblasting machines are designed to blast castings, welded parts, forgings, etc. They are especially suitable for blasting sensitive work pieces that must not strike one another during a shot blasting procedure. They operate on the tact principle with the setting of shotblasting time.

Work pieces are hung individually or in clusters onto rotating hooks that are fixed on trolleys on the transport rail. The transport rail may be produced in different lengths and with a different number of trolleys. At the beginning of a cycle, a cluster is moved into the machine, the door closes, and shot blasting commences. During shotblasting work pieces spin on rotating hooks in front of turbine jets, thus achieving uniform blasting of all surfaces. At the end of the cycle, the door opens, the blasted cluster is moved out of the machine, and on the other side a new cluster moves automatically into the machine. In front of turbines are installed also safety turbine doors.

Characteristics

- Shotblasting machines of “CH” type are designed for shotblasting both small and big, as well as geometrically demanding pieces
- We use them in technologies, such as cleaning and removing foundry sand and cores, rust removal and roughening, shot blasting of aluminium castings, forgings, welded parts, etc.
- Work pieces rotate and oscillate during shotblasting, thus providing high-quality cleaned surface of work pieces of all shapes
- “CH” series machines are especially suitable for places with high productivity due to its small amount of dead time, and in addition they can be upgraded into double machines, whereby doubling the number of blasting spots and raising the machine’s productivity
- They can also solve transport problems on account of their ability to modify the length and shape of the rail and the ability to build in a power and free system

- There is a selection of machines available with different sizes of work space and with numerous optional accessories which allow us to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments, such as foundries, forging plants, etc.

CONTINUOUS HOOK SHOTBLASTING MACHINE (TYPE CH)

Machine Type	CH 6x10	CH 9x14	CH 12x18,5	CH 15x20	CH 20x22	CH 20x25	CH 20x30	CH (2x)20x30
Max. working diameter (mm)	600	900	1200	1500	2000	2000	2000	2000
Max. working height (mm)	1000	1400	1850	2000	2200	2500	3000	3000
Max. hook loading capacity (kg)	350	350	1000	1500	2000	2500	2500	2500
Blast wheel motor power (kW)	2×4	3×4 / 3×5,5 / 3×7,5	3×11 / 3×15 / 3×22	3×18,5	3×22	4×30	4×30	2×4×30
Magnetic separator	✗	○	○	○	○	○	○	○

Disclaimer: The table shows standard CH type machine dimensions; custom sizes and specifications are available upon request.

TUMBLE BELT SHOTBLASTING MACHINE WITH RUBBER BELT (TYPE B/R)OR STEEL BELT (TYPE B/S)

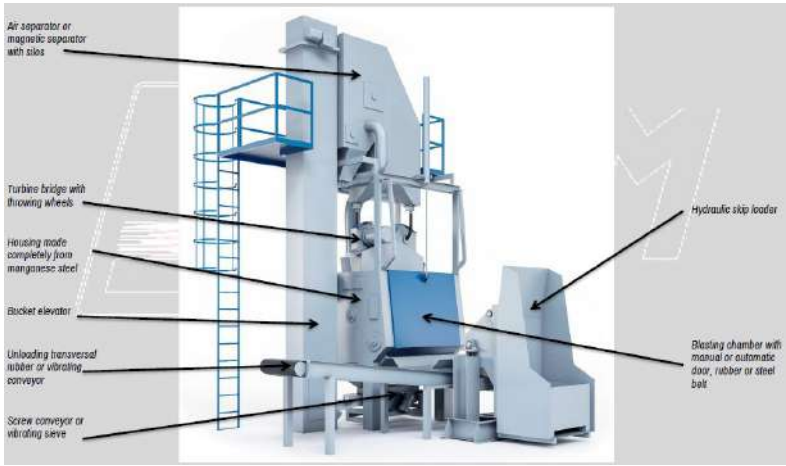
TUMBLE BELT SHOTBLASTING MACHINE WITH RUBBER BELT (TYPE B/R) OR STEEL BELT (TYPE B/S)

"B" series shotblasting machines are designed for blasting products of mass production as well as those of minor series. Primarily, these machines are used for blasting grey cast iron, nodular cast iron, steel castings, and also aluminium castings, precise castings, forgings, and for deburring metal and non-metal products. Shotblasting machines of "B" series are produced in two basic variants, namely with a rubber belt (R) and a steel belt (S).
Shotblasting machines of "B" type are called tumble belt because of the special shape of the belt that forms a loop in the shape of a tumble belt, where work pieces are loaded.

Work pieces may be loaded into the machine manually or automatically with a hydraulic skip in bigger machines. During shotblasting, work pieces tumble continuously in the loop formed by the belt under the jet of steel shot that is thrown by turbines. After the blasting cycle is finished, the belt turns in the opposite direction and work pieces are unloaded from the machine.

Characteristics

- During shotblasting, work pieces continuously tumble in the machine, thus producing the optimal coverage and high-quality cleaned surface of work pieces of all shapes
- Despite their compact dimensions, shotblasting machines of "B" series are designed for blasting mass-production products of large capacities, regardless of the material of work pieces
- "B" type shotblasting machines with rubber belt are designed for blasting small and medium-sized pieces (filling volume from 40 to 750 liters), whereas steel belt machines are designed for blasting medium-sized and large pieces (filling volume from 140 to 1000l)
- There is a selection of machines with different capacities and filling volumes as well as numerous optional accessories, which is why we are able to modify our machines to the needs of the most demanding technology.
- Larger machines have an automatic loading skip as standard equipment
- All our machines may be equipped with unloading transporters (rubber or vibrating)



- We use them in technologies, such as cleaning foundry sand from castings, scaling removal after heat treatment, surface cleaning of forgings and pressed components, cleaning of aluminium castings, roughening, surface preparation for surface protection, deburring plastic castings, etc.
- Due to quality and robust production, our machines are designed to operate even in the most demanding environments, such as foundries, forging plants, etc.

TUMBLE BELT SHOTBLASTING MACHINE WITH RUBBER BELT (TYPE B/R) OR STEEL BELT (TYPE B/S)

Machine Type	B 5x5	B 7x7	B 7x9	B 8,5x10	B 10x10	B 10x12,5	B 12x12,5	B 12x16	B 14x17
Max. load volume (dm³)	40	110	140	230	320	400	570	720	1000
Max. load capacity (kg)	40	90	250	450	650	1000	1250	1500	2500
Drum diameter (mm)	500	700	700	850	1000	1000	1200	1200	1400
Tumble belt width (mm)	500	700	900	1000	1000	1250	1250	1600	1700
Version	R	R	R	R	R	R/S	R/S	S	S
Blast wheel motor power (kW)	2.2	4	5.5	5.5	11	2×11 / 2×15	2×11 / 2×15	2×11 / 2×18.5	2×22
Max. workpiece weight (kg)	3	8	10	15	40	80	80	100	130
Magnetic separator	✗	○	○	○	○	○	○	○	○
Skip	○	○	○	○	✓	✓	✓	✓	✓

Disclaimer: The table shows standard B type machine dimensions; custom sizes and specifications are available upon request.

CONSERVATION LINES (PREHEATING, BLASTING, PAINTING, DRYING)

CONSERVATION LINES (PREHEATING, BLASTING, PAINTING, DRYING)

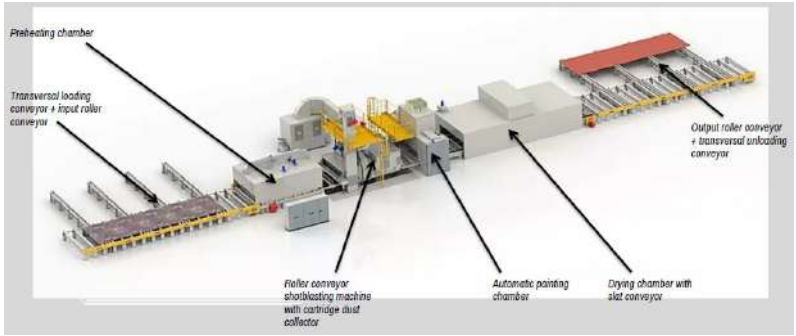
A complete blasting and priming line consists of individual items:

- automatic transversal loading conveyor
- inlet roller conveyor
- preheating chamber
- roller conveyor shotblasting machine with cartridge dust collector
- automatic paint chamber
- drying chamber
- slat conveyor
- outlet roller conveyor
- automatic transversal unloading conveyor

Single items and conveyor system can be custom made according to customer's individual requirements. Preheating chamber allows the treatment of wet or ice-covered plates/profiles from outside storage.

After shotblasting, workpieces travel through the painting chamber where primer paint is applied on their surface.

Painted material coming from painting chamber will be dried in line in the drying chamber, allowing the handling of the components immediately after unloading for further treatment.



CONSERVATION LINES (PREHEATING, BLASTING, PAINTING, DRYING)

Some Features

Preheating Chamber
Provided with an inside insulation, with stainless steel curtains, stainless steel combustion chambers, gas burners (maximum temperature 300°C), helical fans, galvanised sheet copes connected to the fumes extractor, general electric panel and electric plant IP55.

Drying Chamber
Made in metal profiles and panels in expanded polystyrene covered with galvanized sheet, service door, unit of ventilation and heating (temperature inside the chamber 80°C), pipes of air distribution, solvents discharge, electric plant.

Preheating Chamber

Drying Chamber

Painting Chamber with Filtration Unit
Made in metal profiles and panels in galvanized sheet, provided with service doors, emergency lightning, mixing room, grid surface of aspiration, illumination, aspiration unit, filtration unit, flow meter, level reciprocators, level bridge of pieces reading, PLC with all components, monocomponent spraying plant with pump and guns in stainless steel, general electric and pneumatic plant.

TUNNEL OVERHEAD RAIL SHOTBLASTING MACHINE (TYPE TOR)

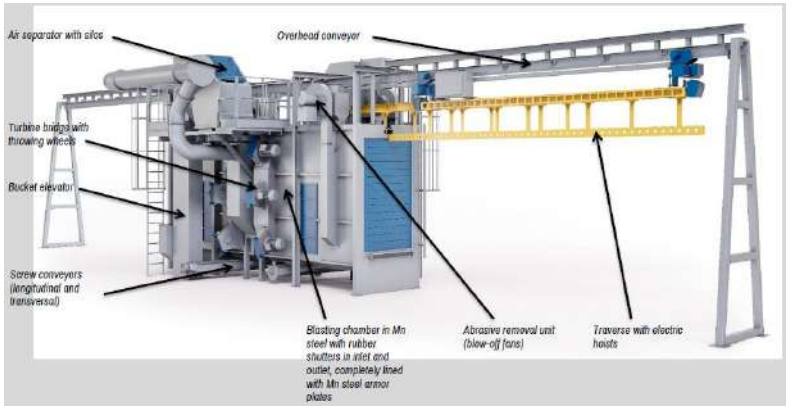
TUNNEL OVERHEAD RAIL SHOTBLASTING MACHINE (TYPE TOR)

"TOR" type shotblasting machines are designed for blasting welded constructions, beams, and profiles of different shapes and dimensions. They are especially suitable for shot blasting work pieces of larger lengths. They can operate individually with their own rail or be integrated into an existing transport system. They can also integrate with paint application lines.

Work pieces are hung on hooks on the overhead transporter that transports work pieces through the tunnel part of the machine. On the lateral sides of the tunnel's shotblasting part, turbines are carefully placed which provide the optimum coverage and cleaning of a workpiece under a jet of steel shot coming from the turbines, despite the fact that the work piece is not rotating during the shot blasting process. Work pieces then pass through the blow-off chamber in order for the shot blasting agent to be removed from exposed surfaces, finally exiting the machine.

Characteristics

- "TOR" type shotblasting machines are designed for blasting long welded constructions, beams, and profiles, as well as smaller pieces that are hung on girders.
- They are used in technologies, such as rust removal and roughening, preparations for surface protection, removal of old paint, matting, etc.
- Work pieces are not rotating during the blasting procedure, however, due to a carefully selected angle and number of turbines, top quality cleaned surface of a workpiece of any shape is achieved
- They can also solve transport-related issues, because it is possible to adjust the length and shape of the rail and to integrate a power and free system.



- There is a selection of machines available with different sizes of work space and with numerous optional accessories, which allow us to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments.

TUNNEL OVERHEAD RAIL SHOTBLASTING MACHINE (TYPE TOR)

Specification	TOR 2x12	TOR 3x17	TOR 5x15	TOR 10x20	TOR 12x25	TOR 12x30	TOR 18x26	TOR 25x30
Working Width (mm)	200	300	500	1000	1200	1200	1800	2500
Working Height (mm)	1200	1700	1500	2000	2500	300	2600	3000
Blast Wheel Motor Power (kW)	8 × 7.5	10 × 7.5	8 × 7.5	8 × 5.5	8 × 15	12 × 11	16 × 7.5	16 × 7.5
Blow Off Ventilator	–	–	–	–	0 (option)	–	–	–

Disclaimer: The table shows standard TOR type machine dimensions; custom sizes and specifications are available upon request.

TURNTABLE SHOTBLASTING MACHINE (TYPE T)

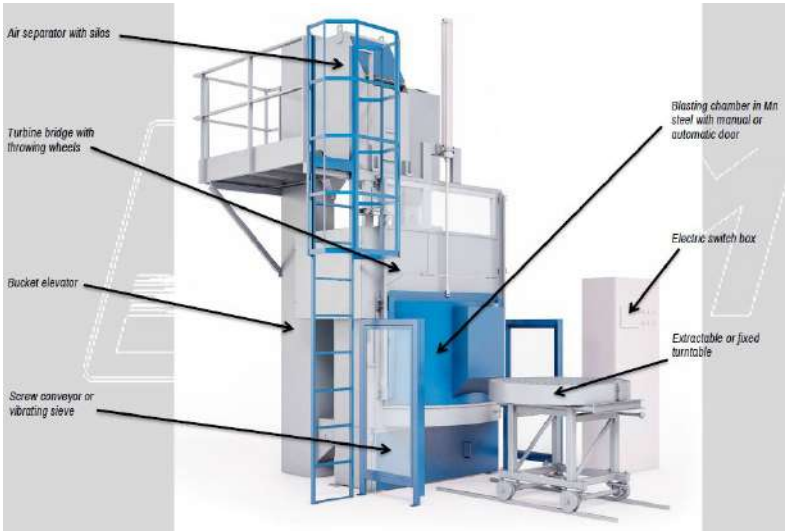
TURNTABLE SHOTBLASTING MACHINE (TYPE T)

Type "T" shotblasting machines are universal shotblasting machines that may be used for blasting a wide variety of work pieces, such as welded constructions, castings, forgings, etc. A carefully planned position of turbines provides the optimum efficiency and uniformly cleaned surface of all sorts of work pieces, irrespective of their shape and size.

Work pieces are spread out on a turntable, individually or alongside each other, so that the jet captures them on their lateral sides also. During the blasting procedure, the table rotates in the shotblasting chamber, providing the optimum cleaning of work pieces.

Characteristics

- Type "T" shotblasting machines may be equipped with one or more satellites, allowing the loading and unloading of work pieces from the free table during blasting and thus achieving a higher level of machine's productivity
- In case larger load capacity of a turntable or a turntable of larger dimensions is required, it may be produced with a transport trolley that moves automatically in and out of machine
- There is a selection of machines available with different diameters and load capacities of the turntable and with numerous optional accessories, allowing us to adjust our machines to the needs of even the most demanding technology
- Due to quality and robust production, our machines are suitable to operate in the most demanding environments, such as foundries, forging plants, etc.



TURNTABLE SHOTBLASTING MACHINE (TYPE T)

Specification	T 7.5	T 11	T 14	T 18	T 23	T 42	T 50
Table Diameter (mm)	750	1100	1400	1800	2300	4200	5000
Working Height (mm)	400	450	670	900	900	2500	3000
Table Load Capacity (kg)	400	600	600	700	1500	30000	80000
Blast Wheel Motor Power (kW)	4	5.5	5.5	2 × 7.5	2 × 7.5	4 × 22	6 × 22
Magnetic Separator	X	X	X	O	O	O	O

Disclaimer: The table shows standard T type machine dimensions; custom sizes and specifications are available upon request.

MESH CONVEYOR SHOTBLASTING MACHINE (TYPE MC)

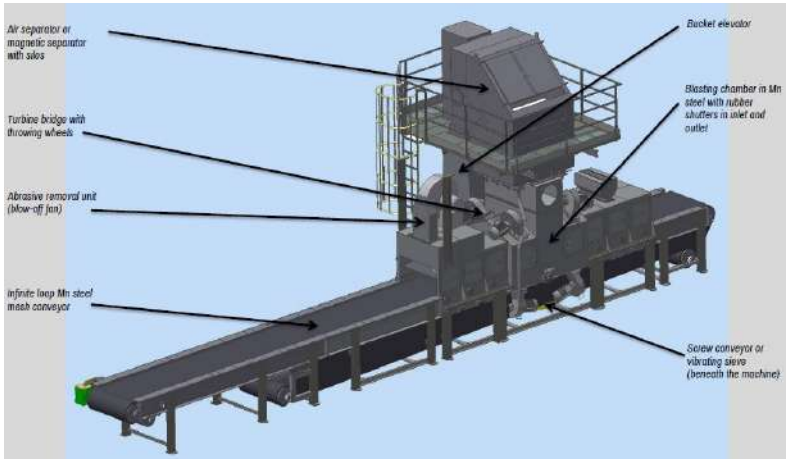
MESH CONVEYOR SHOTBLASTING MACHINE (TYPE MC)

"MC" series shotblasting machines are continuous flow shotblasting machines that are designed for continuous blasting of thin-walled and shock-sensitive castings and other work pieces. A larger number of turbines provides optimum efficiency and uniform cleaning of work pieces, therefore, this type of machines are also suitable for shotblasting geometrically more demanding pieces, such as welded constructions, castings, etc.

Work pieces are loaded at the machine's input onto a special mesh conveyor, made of high quality wear-resistant wire, which transports pieces through the tunnel part of the machine. On the outer brim of the blasting part of the tunnel, there are turbines that are positioned at a carefully designed angle, thus allowing optimum cleaning of work pieces from all sides. Work pieces travel on through the chamber for blowing the blasting agent off of the exposed surfaces, finally reaching the machine's output.

Characteristics

- "MC" series shotblasting machines are designed for continuous blasting of pieces that may not strike one another during a shotblasting procedure
- "MC" series machines enable continuous regulation of the operating speed and, if required, also the regulation of steel shot flow
- Shotblasting is turned on automatically, when work pieces travel under the turbines
- All machines are by standard equipped with a blow-off fan for removing of steel shot from exposed surfaces of work pieces



- There is a selection of machines available with different sizes of work space and with numerous optional accessories which allow us to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments, such as foundries, etc.

MESH CONVEYOR SHOTBLASTING MACHINE (TYPE MC)

Specification	MC 6x2	MC 8x3	MC 10x3	MC 12x3	MC 14x3	MC 15x4
Mesh width [mm]	600	800	1000	1200	1400	1500
Max. throughput height [mm]	200	300	300	300	300	400
Blast wheel motor power [kW]	8x4	4x11 / 8x5.5	8x11	8x15	8x15 / 8x30	8x11
Mesh load capacity [kg/m]	–	–	–	100	–	–
Blow off ventilator	–	–	–	√	–	–
Magnetic separator	–	–	–	O	–	–

Disclaimer: The table shows standard MC type machine dimensions; custom sizes and specifications are available upon request.

BARS SHOTBLASTING MACHINE
FOR SINGLE BARS (TYPE BAR/S) & FOR MULTIPLE BARS (TYPE BAR/M)

BARS SHOTBLASTING MACHINE FOR SINGLE BARS (TYPE BAR/S)

Shotblasting machines of “BAR/S” series are designed for continuous blasting in single line of bars and rod-shaped material, such as bars, pipes, and billets. They may operate individually with its own rollway or be built into an existing transport system.

Work pieces move along the rollway that has special cone-shaped rollers until they reach the tunnel part of the machine. On the outer brim of the tunnel, there are turbines that provide equal cleaning and optimal coverage of blasted surfaces from all sides.

Shotblasting is turned on automatically, when work pieces travel under the turbines. Work pieces go on through the blow-off chamber in order for the shotblasting agent to be removed from exposed surfaces, after which they exit the machine.

These machines may also be equipped with manger, to where we unload piles of workpieces using the crane, and these are then automatically loaded onto the rollway rail using a special loading device. Also, an unloading device that unloads workpieces from the rollway may be placed on the exit side.

Characteristics

- BAR/S” series shotblasting machines are designed for all sizes of cross-sections and lengths of rod-shaped material
- We use them in technologies, such as rust and scaling removal, preparation for surface protection, matting, roughening, etc.
- They may operate independently or be integrated into production lines
- The possibility of building in routing shields that concentrate the blast jet on the surface of work pieces, thus providing maximum power efficiency rate and, consequently, higher operating speed
- Parts of the machine that are exposed to wear are made of top quality wear resistant materials
- These machines together with loading and unloading systems are produced with respect to the specific requirements of the customer
- There is a selection of machines available for different sizes of rod-shaped material cross-sections and with numerous optional accessories, which is why we are able to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments, such as steel works.

BARS SHOTBLASTING MACHINE FOR MULTIPLE BARS (TYPE BAR/M)

Shotblasting machines of “BAR/M” series are designed for continuous blasting of bars and rod-shaped material in parallel, such as bars, pipes, and billets. They may operate individually with its own rollway or be built into an existing transport system.

Work pieces move along the rollway that has special cone-shaped rollers until they reach the tunnel part of the machine. On the outer brim of the tunnel, there are turbines that provide equal cleaning and optimal coverage of blasted surfaces from all sides.

Shotblasting is turned on automatically, when work pieces travel under the turbines. Work pieces go on through the blow-off chamber in order for the shotblasting agent to be removed from exposed surfaces, after which they exit the machine.

These machines may also be equipped with manger, to where we unload piles of workpieces using the crane, and these are then automatically loaded onto the rollway rail using a special loading device. Also, an unloading device that unloads workpieces from the rollway may be placed on the exit side.

Characteristics

- “BAR/M” series shotblasting machines are designed for all sizes of cross-sections and lengths of rod-shaped material
- We use them in technologies, such as rust and scaling removal, preparation for surface protection, matting, roughening, etc.
- They may operate independently or be integrated into production lines
- The possibility of building in routing shields that concentrate the blast jet on the surface of work pieces, thus providing maximum power efficiency rate and, consequently, higher operating speed
- Parts of the machine that are exposed to wear are made of top quality wear resistant materials
- These machines together with loading and unloading systems are produced with respect to the specific requirements of the customer
- There is a selection of machines available for different sizes of rod-shaped material cross-sections and with numerous optional accessories, which is why we are able to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments, such as steel works.

BARS SHOTBLASTING MACHINE
FOR SINGLE BARS (TYPE BAR/S) & FOR MULTIPLE BARS (TYPE BAR/M)

Specification	BAR 0.6x0.6	BAR 1x1	BAR 1.5x1.5	BAR 2x2	BAR 3x3	BAR/M 10x2
Allowable dimensions of square bars [mm]	12 ÷ 60	35 ÷ 100	35 ÷ 150	35 ÷ 200	40 ÷ 300	20 ÷ 200
Blast wheel motor power [kW]	4x5.5	4x7.5	4x22	4x18.5	4x22	4x22
Biconical roller conveyor load capacity [kg/m]	50	100	180	320	400	500

Disclaimer: The table shows standard BAR/S and BAR/M type machine dimensions; custom sizes and specifications are available upon request.

PIPES SHOTBLASTING MACHINE (TYPE PIP)

PIPES SHOTBLASTING MACHINE (TYPE PIP)

"PIP" series shotblasting machines are purpose-made shotblasting machines that are designed to blast pipes of various diameters and lengths at various transport speeds. Pipes are loaded on an input roller conveyor with conical rollers or discs if pipes of larger diameters are involved. Rollers are mounted at a suitable angle, which enables simultaneous translation and rotation of a pipe during transport. Hence, pipes are transported through the machine's tunnel part, on the top of which turbines are placed that blast pipes along the entire outer surface. Work pieces then go on through the chamber, finally reaching the output roller conveyor.

These machines may also be equipped with manger, to where we unload piles of workpieces using the crane, and these are then automatically loaded onto the rollway rail using a special loading device. Also, an unloading device that unloads workpieces from the rollway may be placed on the exit side.

Characteristics

- "PIP" type shotblasting machines are designed for blasting pipes with different diameters ranging from 15mm to 1600mm
- They are used in technologies, such as rust removal, preparations for surface protection, matting, roughening, etc.
- Our machines provide the optimum coverage of a pipe and top quality cleaned surface along the entire circumference
- They may operate individually or be built in an existing transport system
- There is a selection of machines available with different sizes of pipe diameters and with numerous optional accessories which allow us to adjust our machines to the needs of even the most demanding customer technology
- Due to quality and robust production, our machines are designed to operate in the most demanding environments.

Specification	PIP 0.5	PIP 1.2	PIP 1.7	PIP 2.5	PIP 3	PIP 5	PIP 10	PIP 16
Allowable pipe diameter [mm]	15 ÷ 50	25 ÷ 120	35 ÷ 170	50 ÷ 250	75 ÷ 300	125 ÷ 500	250 ÷ 1000	500 ÷ 1600
Blast wheel motor power [kW]	7.5	11	11	2x7.5	2x22	2x15	2x22	2x30
Productivity Sa2½ [m²/h]	45	65	65	90	260	180	260	360

Disclaimer: The table shows standard PIP type machine dimensions; custom sizes and specifications are available upon request.

SINGLE WIRE SHOTBLASTING MACHINE FOR DE-COILED WIRE (TYPE SIW)

SINGLE WIRE SHOTBLASTING MACHINE FOR DE-COILED WIRE (TYPE SIW)

"SIW" series shotblasting machines are purpose-made shotblasting machines that are designed to blast a wire in a line of different cross-sections and thicknesses. A wire is inserted into the machine, through which it is guided by special guide. Turbines are placed at the machine's periphery, thus providing the optimum blasting of a wire along its entire surface. These shotblasting machines also have integrated guide protection plates that concentrate the steel shot directly on the wire's surface, providing a high energy efficiency rate. The operating speed of an individual machine is defined in accordance with the customer's requirement.

Characteristics

- Type "SIW" shotblasting machines are designed for blasting round, hexagonal, square-shaped, and flat wires
- They are used in technologies, such as rust and scale removal, preparations for surface protection, matting, roughening, etc.
- Our machines provide the optimum coverage and cleaning of a workpiece and top quality cleaned surface
- These shotblasting machines may also be equipped with wire rolling and unrolling devices
- There is a selection of machines available for different operating speeds and numerous optional accessories, allowing us to modify our machines according to the requirements of even the most demanding customer technology
- Due to quality and robust production, our machines are suited to operate in the most demanding environments

Specification	SIW 30	SIW 60	SIW 75	SIW 90	SIW 120	SIW 150	SIW 180
Working speed for wire Ø5mm Sa3 [m/min]	30	60	75	90	120	150	180
Blast wheel motor power [kW]	3x7.5	3x11	3x18.5	3x22	3x30	3x37	3x45
Allowable wire diameter [mm]	3 ÷ 30	5.5 ÷ 32	5.5 ÷ 32	5.5 ÷ 32	5.5 ÷ 32	5.5 ÷ 32	5.5 ÷ 32

Disclaimer: The table shows standard SIW type machine dimensions; custom sizes and specifications are available upon request.

GAS BOTTLES SHOTBLASTING MACHINE (TYPE GAB)

GAS BOTTLES SHOTBLASTING MACHINE (TYPE GAB)

"GAB" series shotblasting machines are designed for external shotblasting of gas bottles, boilers and other hollow products of various dimensions. They are suitable for shotblasting both new as well as used products. Our production programme contains three variants of these machines that differ from each other with regard to the method of operation.

"GAB" series shotblasting machines that operate on the tact principle:
Work pieces are loaded onto a loading device that inserts them one by one into the shotblasting machine. During blasting, a workpiece rotates under the jet of steel shot between two rollers rotating parallel. After the shotblasting cycle is concluded, the machine unloads work pieces automatically onto an unloading ramp.

"GAB" series shotblasting machines that operate on continuous principle:
Work pieces are loaded onto a rollway rail with truncated rollers that are mounted at an angle enabling simultaneous transport and rotation of work pieces. Work pieces are thus transported through the tunnel part of the machine, on the top of which turbines are placed that clean the work pieces along the entire surface. Work pieces then travel on through the chamber for blowing the shot blasting medium off the surface until they reach the output rollway.

"GAB" series shotblasting machines with an overhead hook conveyor:
Work pieces are hung on an overhead hook conveyor that transports them, by tact or continuous principle, under a jet of steel shot, where they are cleaned. Work pieces then go on through the chamber for atmospheric removal of the shotblasting agent from exposed surfaces until they reach the machine's output. These shotblasting machines are especially suitable for operating in production lines with colouring and drying chambers, but they can also operate independently.

Characteristics:

- "GAB" series shotblasting machines are designed for blasting gas bottles, boilers and other hollow products of different dimensions
- We use them in technologies, such as old paint and rust removal, preparations for surface protection, for matting, roughening, etc.
- All our machines provide the optimum coating and cleaning of a workpiece and the attainment of high quality cleaned surface, regardless of the selected machine variant
- They can operate individually, or they can be built into an existing transport system. They can also integrate with painting lines
- They can also be supplemented with a compressed air system for internal shotblasting of work pieces
- These shotblasting machines may also be equipped with loading and unloading systems, enabling the fitting of shotblasting machines into production lines
- There is a selection of machines available with different sizes of work space and with numerous optional accessories which allow us to adjust our machines to the needs of even the most demanding customer technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments.

GAS BOTTLES SHOTBLASTING MACHINE (TYPE GAB)

Specification	GAB 1,4x12	GAB 2,5x20	GAB 3x4,8	GAB 4,2x4,8	GAB (3x)4,2x6
Allowable diameter of gas bottles [mm]	70 ÷ 140	70 ÷ 250	70 ÷ 300	70 ÷ 420	70 ÷ 420
Allowable length of gas bottles [mm]	200 ÷ 1200	200 ÷ 2000	min. 480	min. 480	min. 600
Flow system	TACT	CONTINUOUS	–	–	–
Blast wheel motor power [kW]	3x7.5	4x7.5	3x22	3x15	3x3x7.5
Gas bottles productivity (D=250mm, L=700mm) [N/h]	45	300	210	310	–

Disclaimer: The table shows standard GAB type machine dimensions; custom sizes and specifications are available upon request.

SHOTPEENING/STRESSPEENING SHOTBLASTING MACHINE (TYPE PIN)

SHOTPEENING/STRESSPEENING SHOTBLASTING MACHINE (TYPE PIN)

Shotblasting machines for shot peening and stress peening are used in many industries, but primarily in the automotive and aeronautical industry. The purpose of these machines is to harden the surface of metal products and thus reduce the possibility of the occurrence of micro fractures. The result of such shot and stress peening is a longer service span of work pieces processed in this way.

Characteristics
Increased shot peening efficiency and thus the service life of work pieces (e.g. coil springs, leaf springs, shafts, gears, etc.) is achieved by a precise selection of all shotblasting parameters that include: shotblasting time, shotblasting angle, type of shot, level of coating, the velocity of shot, and, intensity of blasting in Almen.

Specification	PIN/LS 2,5 (2x30 kW)	PIN/LS 2,5 (3x37 kW)
Max. width [mm]	240	240
Max. length [mm]	2300	2300
Max. thickness [mm]	400	400
Max. weight [kg]	300	300
Turbine power [kW]	2x30	3x37

Disclaimer: The table shows standard PIN type machine dimensions; custom sizes and specifications are available upon request.

UNIVERSAL SHOTBLASTING MACHINE (TYPE UNI)

UNIVERSAL SHOTBLASTING MACHINE (TYPE UNI)

"UNI" type shotblasting machines are designed for blasting long welded constructions, beams, and profiles of different shapes and dimensions.

They are especially suitable for shot blasting work pieces of big lengths. They operate individually with their own wagon. Work pieces are put on the driven wagons that transports work pieces through the tunnel part of the machine.

On the lateral sides of the tunnel's shotblasting part, turbines are carefully placed which provide the optimum coverage and cleaning of a workpiece, despite the fact that the work piece is not rotated in the shot blasting process under a jet of steel shot coming from the turbines. Work pieces pass on through the blow-off chamber in order for the shot blasting agent to be removed from exposed surfaces, finally exiting the machine.

Characteristics:

- "UNI" type shotblasting machines are designed for blasting long welded constructions.
- They are used in technologies, such as rust removal and roughening, preparations for surface protection, matting, etc.
- Work pieces are not rotating during the blasting procedure, however, due to a carefully selected angle and number of turbines, top quality cleaned surface of a work piece of any shape is achieved
- There is a selection of machines available with different sizes of work space and with numerous optional accessories, which allow us to adjust our machines to the needs of even the most demanding technology.
- Due to quality and robust production, our machines are designed to operate in the most demanding environments.

UNIVERSAL SHOTBLASTING MACHINE (TYPE UNI)

Specification	UNI 26x30	UNI 36x36
Max. throughput width [mm]	2600	3600
Max. throughput height [mm]	3000	3600
Turbine power [kW]	12x11	20x5,5
Max. weight on trolley [kg]	5000	36000
Max. length of workpiece [mm]	12000	18000
Manual chamber	Yes	Yes

Disclaimer: The table shows standard UNI type machine dimensions; custom sizes and specifications are available upon request.

MANUAL SHOTBLASTING CHAMBER (TYPE KOM)

MANUAL SHOTBLASTING CHAMBER (TYPE KOM)

"KOM" type shotblasting chambers are designed for manual or automatic compressed air shotblasting of various work pieces, such as welded pieces, castings, forgings, railway wagons, containers, etc. Work pieces are blasted in the chamber using compressed air that directs the blasting agent toward work pieces via a blasting nozzle. Then, a mixture of the blasting agent and residue falls into a trough, from where it is transported automatically to the elevator and air separator using scrapers and rotating sieve. There, the blasting medium is purified, and after this it falls into a collection silo, ready to be used again. The shotblasting agent may be steel shot (round or grit), corundum, glass beads, etc.

Characteristics:

- "KOM" type shotblasting chambers are designed for blasting work pieces of large dimensions and weights, and complex geometries

Characteristics:

- The shot transport system using scrapers requires minimal foundation depth
- We provide a minimum level of dust in the chamber, since dust that is formed during the shotblasting procedure is removed using a cartridge dust collector, whereas fresh air enters the chamber through the ceiling
- The chamber may be equipped with a transport trolley or an overhead rail in the interior in order to manipulate work pieces
- A partial or full automation of the shotblasting procedure is possible using shotblasting robots
- There is a selection of chambers available with different sizes of work space and with numerous optional accessories which allow us to adjust our chambers to the needs of even the most demanding customer technology.

Specification	KOM 4x4x3	KOM 7x4x4	KOM 10x5x5	KOM 15x6x5	KOM 20x6x5	KOM 25x6x6	KOM 30x7x6
Internal chamber length [m]	4	7	10	15	20	25	30
Internal chamber width [m]	4	4	5	6	6	6	7
Internal chamber height [m]	3	4	5	5	5	6	6
Number of nozzles [N.]	1	1	1	1–2	1–2	2	2

Disclaimer: The table shows standard KOM type machine dimensions; custom sizes and specifications are available upon request.

CARTRIDGE DUST COLLECTORS (TYPE CDR)

CARTRIDGE DUST COLLECTORS (TYPE CDR)

Cartridge dust collectors of "CDR" series are dry dust collectors with replaceable cartridges and automatic compressed air cleaning of cartridges. Dirty air from the shotblasting machine enters the dust collector through a pipeline, and there it is cleaned with the help of dust collector cartridges. Cartridges are automatically blown (cleaned) in the dust collector using compressed air that at certain intervals blows the dust off the collecting surface of cartridges. This dust that has been blown out of cartridges then falls into the trough of the dust collector and accumulates in a waste container that is placed under the dust collector, whereas refined air goes back into the atmosphere through the dust collector's chimney.

Characteristics:

- "CDR" series cartridge dust collectors are designed for dry dust precipitation that is formed during a shotblasting procedure
- "CDR" series cartridge dust collectors are very easy to maintain and reliable in their operation
- Our cartridge dust collectors provide dust emissions of up to 1 mg/Nm3, as prescribed by the most demanding international standards
- Dust collectors may also be equipped for dedusting combustible dust and with ATEX certificate

Specification	CDR-1	CDR-2	CDR-3	CDR-4	CDR-6	CDR-8	CDR-10	CDR-12	CDR-14	CDR-16	CDR-20	CDR-24	CDR-28	CDR-32	CDR-36	CDR-40
Number of cartridges [N.]	1	2	3	4	6	8	10	12	14	16	20	24	28	32	36	40
Filtering surface [m²]	16	32	48	64	96	128	160	192	224	256	320	384	448	512	576	640
Exhauster suction rate [m³/h]	600	1200	2500	3600	5000	6500	8000	9000	10500	13000	21600	22000	22000	25000	30000	38000
Ventilator motor power [kW]	0.55	1.1	2.2	3	5.5	7.5	7.5	11	11	15	22	30	30	37	37	37
Compressed air consumption [Nm³/h]	1.2	2.4	3.6	4.8	7.2	10	12	14.5	17	20	24	29	34	39	43	48
Exhauster head [Pa]	1500	1700	2300	2300	2500	2500	2500	2500	2500	2500	2600	2600	2600	2600	2600	2600

Disclaimer: The table shows standard CDR type machine dimensions; custom sizes and specifications are available upon request.

OTHER SPECIAL APPLICATIONS SHOTBLASTING MACHINES

In this category can be inserted specialised machines for:

- Blasting of railway wheels (type W)
- Blasting of steel strips (type STR)
- Continuous tumble belt machines (type BC)
- Blasting of wire in coils (type COW)
- Blasting of forged crankshafts (type GAB/C)
- Blasting of spiral springs
- Internal blasting of cylinders/gas bottles
- Robotic blasting chambers (ROBOCELL)
- Combined overhead rail tunnel and hook (TOR/H) and continuous hook machines (TOR/CH)
- Combined hook and table machines (H/T)
- Double table machines
- Satellite table machines of various sizes (T/S)
- and others according to specific technologies requested by our customers

OTHER SPECIAL APPLICATIONS SHOTBLASTING MACHINES

AFTER SALES SERVICE, MAINTENANCE AND SPARE PARTS

Additionally to producing high quality shot blasting machines, we also offer a full range of after sales parts and services.

The heavy machinery used in shotblasting industry is often best to refurbish on–site, component by component. Solid experience and knowledge are needed to keep downtime to a minimum. If spare parts are not readily available, you need tailored solutions.

Your spare parts inventory is at our site, so you have 24/7 access. A vendor service department offers you these benefits:

- Immediate availability for critical spare parts
- Reduced mean time to repair
- Decreased inventory carrying costs

Sometimes even seemingly insolvable problems can be solved in no time – our service has in-depth knowledge of the machines used in the shotblasting industry, as well as special know-how acquired through practice.

With over 30 years of experience we know our industry very well, making our additional parts and services relevant and affordable. After sales parts and services will safeguard your equipment efficiency and longevity long after the initial purchase.

LOOKING TO BUY PRE-LOVED MACHINERY?

Specialist Machinery Sales offer second-hand or used structural steel processing machinery from Kaltenbach, Gietart, Haeusler, SLF and more.

Generally, the machines that SMS has access to are from trading for new machines offered from the machine tool builders to clients of SMS in Australia and New Zealand. Most machines are between 5 and 15 years of age with full-service history available. Some machines can be inspected under power or in their shipping packing ready for immediate delivery to Australasia.

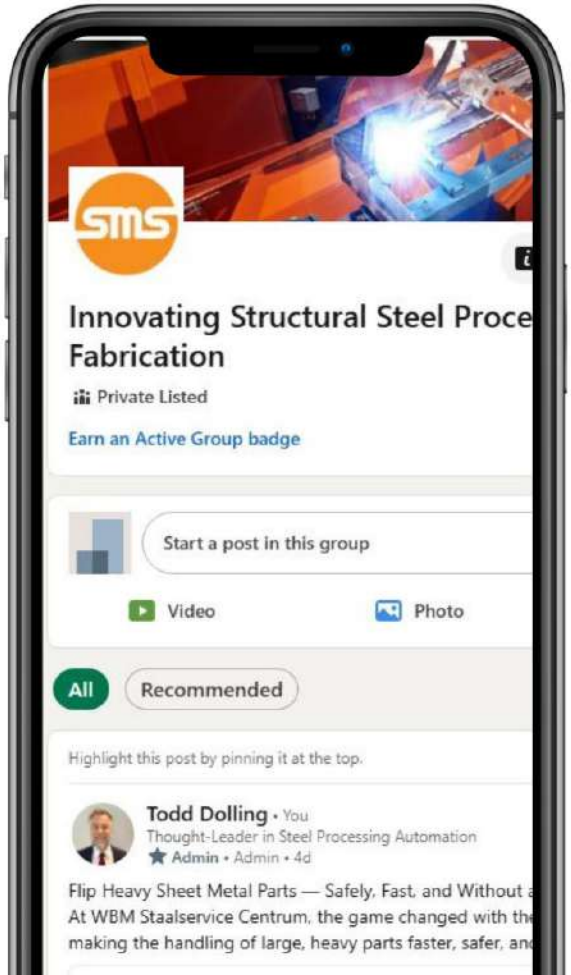
LEARN MORE HERE ▶

READY TO SELL YOUR PRE-LOVED MACHINERY?

Selling your pre-loved machinery may appear to be a simple process but it might be more complicated than you think. Selling pre-loved machinery involves equipment liens, resale certificates and financing a buyer. BUT DO NOT WORRY!

Used Structural Machinery (USM) is here to partner with you. At USM, we are your ideal channel to take your equipment and place it in the right hands, with the security and confidence that characterises us. Review our checklist below to help you understand when to retire your machine and how USM can help you sell it off efficiently and effectively.

LEARN MORE HERE ▶



JOIN OUR EXCLUSIVE AND GROWING LINKEDIN GROUP

Join our growing and exclusive LinkedIn Group – **Innovating Structural Steel Processing and Fabrication Group**.

In this group, we bring in thought leadership content, topics, trends and challenges within the steel industry and steel processing automation. We encourage everyone to share your business challenges and solutions that you have encountered and how steel processing automation had helped achieved your business objectives.

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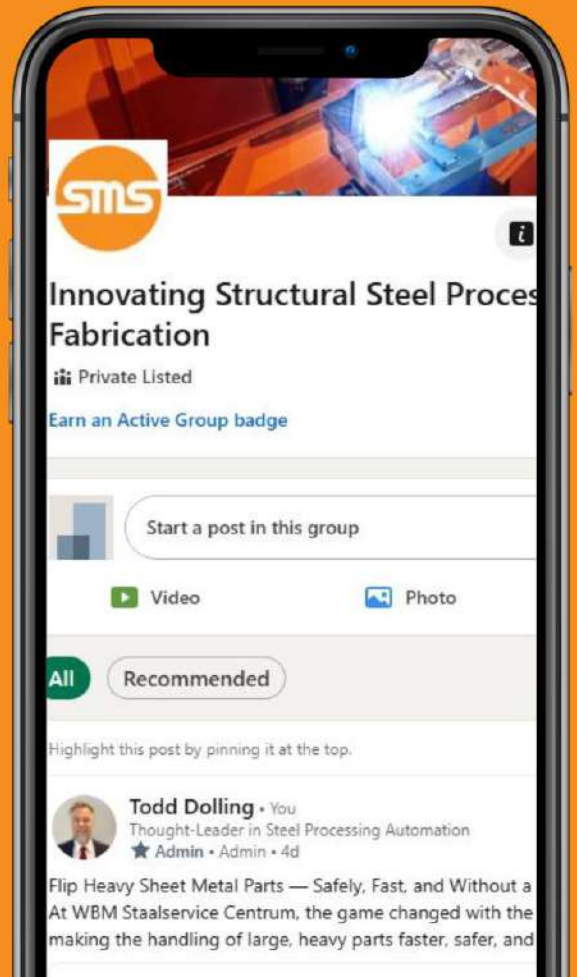

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