



RB 3200x300 Roller Conveyor Shot Blasting Machine Installed in Slovakia



This is a high-performance shotblasting machine with a 300 mm roller section and approximately 3 meters of inlet and outlet tracks, designed for efficiency and precision. Beneath the outlet track, an extended funnel ensures any residual abrasive material on blasted structures is returned to the machine, minimizing waste and maximizing productivity.

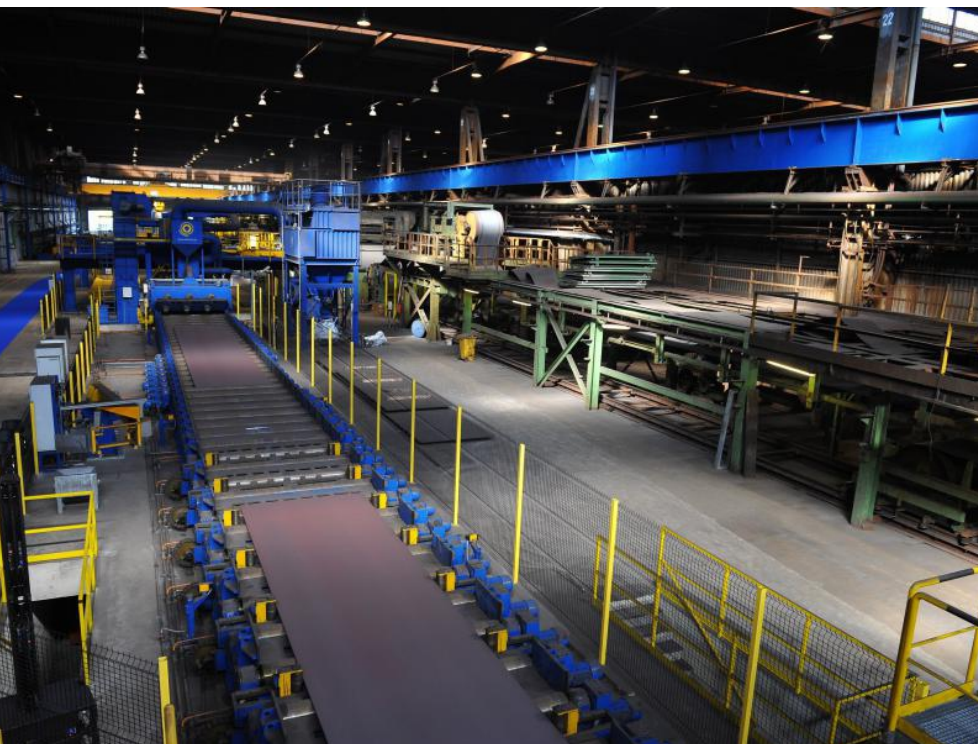
The machine is equipped with a powerful blowing fan for optimal cleaning and is specifically designed for blasting various welded profiles and constructions. It features 8 E.ECO Siapro turbines 380, each delivering 15 kW of power, ensuring exceptional blasting performance.

The integrated rotary screen enhances operational efficiency, while the turbines come with frequency regulators for precise control and adaptability. Delivered as a complete solution, this machine is paired with a turbine hanger system, making it the ideal choice for demanding shotblasting operations.





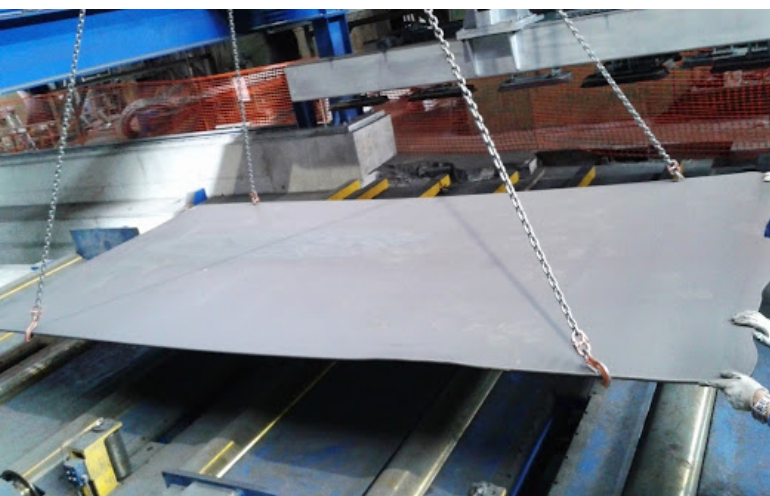
Siapro Shot Blasting Machine Installed in New Heavy Plate Line at Acroni, Slovenia



This machine, successfully operating at a customer site in Slovenia, is specifically designed for blasting steel plates. Integrated into a comprehensive production line, this machine complements the HTL (Heat Treatment Line), used for the thermal treatment of special plates designed for the most demanding applications. Through its high-efficiency blow-off system and integrated brushes, machine is ensuring up to 99% abrasive removal for outstanding cleaning results.

In addition, the system incorporates an advanced AAF (Abrasive Air Filtration) unit, which enables seamless emptying into 1 m³ big bag containers and AAD valves for sand regulation. This feature ensures efficient material handling and maintains a clean work environment, making the machine a robust and highly adaptable solution for heavy-duty steel plate processing applications.

At the start of the line, two gantry cranes and trolleys handle plate packages, creating a seamless and efficient workflow for processing thick plates. This is a robust and highly adaptable machine.





RB 2000x500 Roller Conveyor Shot Blasting Machine Installed at a Saw Production Facility in Slovenia



This advanced shotblasting machine is in operation at our customer Mebor in Slovenia. This is a renowned manufacturer of wood sawmills and similar machinery. It is used for shotblasting workpieces with dimensions of up to 2000 cm in length and 500 cm in width for sheet metal, as well as profiles and various welded structures.

The machine is equipped with 6 high-performance E.ECO turbine 320, each delivering 15 kW of power, ensuring superior blasting efficiency. A unique feature of this machine is the abrasive collection funnel located at the outlet, enhancing material recovery. Additionally, it boasts a movable arm with a control panel, allowing for greater operational flexibility. With integrated frequency regulators, the machine achieves maximum blasting efficiency while maintaining energy efficiency. The design includes a large abrasive hopper with a capacity of 1 m³, ensuring continuous operation with minimal downtime.

A key design advantage is that the majority of the machine is installed below ground level, positioning the roller track closer to the floor for easier loading. This approach reduces the machine's overall height to just 5.4 m, making it suitable for installation in production halls with lower ceilings. Standard air filtration systems ensure a clean and safe working environment.





RZ 4600 Roller Conveyor Shot Blasting Machine Installed in Russia



Machine is in operation in Russia, as one of the biggest roller conveyor machines for shot blasting, delivering unmatched performance and efficiency. It features 8 powerful E.ECO 380 turbines, each with a power output of 37 kW, for a total machine power of 390 kW. With dimensions of 10 m in height, 8.3 m in width, and 7 m in length, it is engineered for heavy-duty applications.

The machine achieves a blasting speed of 6 m/min for steel plates up to 4.2 m in width, 12 m in length, and 200 mm in thickness, with even higher speeds for narrower plates. Its advanced blow-off system, with a combined power of 20 kW, ensures thorough abrasive removal, while the integrated rotary sieve provides superior abrasive recycling and separation.

Frequency regulators are included for precise control, enhancing operational efficiency and energy savings. This machine is an ideal solution for high-volume and large-scale blasting needs, designed to meet the demands of modern industrial production.





RZ 4200x200 Roller Conveyor Shot Blasting Machine Installed in France



This advanced blasting machine is in operation at a customer in Belgium, delivering exceptional performance for large-scale industrial needs. It features 12 powerful E.ECO 520 turbines, each with a power output of 45 kW, ensuring unmatched shot blasting efficiency. The total production line spans 150 meters, with a roller conveyor capable of handling loads up to 8 t/m.

Equipped with a high-performance brush and blow-off system, the machine ensures superior cleaning. Its dual elevator system and four abrasive cleaners enable efficient abrasive regeneration for continuous reuse, reducing operating costs.

An integrated AAF system automates abrasive refilling, streamlining operations. To ensure dust-free operation, the machine requires approximately 84 m³ of air circulation per hour. With a height of 9 m, a width of 12.3 m, and a machine length of 13 m, it is designed for efficiency and space optimization. The robust foundation, 3.5 m deep, provides exceptional stability, making it an ideal solution for demanding production environments.





RC 2000x2000 Shot Blasting Machine for Large Steel Constructions Installed in Germany



The machine is equipped with 12 E.ECO turbines of size 380 and a power output of 11 kW. Additionally, it is fitted with frequency controllers to adjust the turbines power output, ensuring efficient blasting performance. The machine is designed for blasting workpieces with dimensions of 2.000 mm x 2.000 mm.

Due to the size of the blasting chamber, the machine is equipped with horizontally adjustable rubber slats featuring spring steel cores. The conveyor system is specifically adapted for blasting larger diameter profiles up to 2.000 mm. The machine is intended solely for blasting the external surfaces of pipes.

At the outlet of the blasting unit, there is a manual blasting chamber designed for two operators. This chamber is integrated into the system when blasting larger or more complex components, where blind spots may occur. The filtration system for the manual chamber and the machine can either be shared or installed separately, depending on the customer's required production capacity.

The blasting machine is controlled by a Siemens control system, which is the most used unit in our machines. These control systems are regarded as highly efficient. Furthermore, the supply of spare parts is straightforward, with no significant challenges or issues.





RB 1600x500 Shot Blasting Machine for Plates and Profiles Installed in the Netherlands



On the machine, four E.ECO turbines of dimensions 320 and a power of 11 kW are installed. Frequency regulators are also installed on the machine. The length of the roller conveyor is 6 m on the inlet side and 6 m on the outlet side of the blasting machine. The height of the machine is 6.5 m, and its total length, including the roller conveyor, is 19 m. The roller conveyor pitch is 800 mm. The conveyor pitch can be adjusted according to the workpieces being processed. Standard conveyor pitches are 400 mm, 800 mm, or 1000 mm. The machine is designed for blasting workpieces up to 4 cm in height. It is a standard version of the machine, compact production and fast delivery. The machine is equipped with a roller brush and blow off.

Economical and technical advantages of Siapro E-ECO blasting wheels are:

Increased abrasive velocity and material wear resistance

8–10 times longer blade lifetime (27% reduced electrical consumption)

Minimum 10% lower abrasive consumption

Blasting capacity (output increase) improved by 10–30%.





The line is operational in the shipbuilding industry and is designed for shot blasting steel plates up to 50 mm in thickness and 4.600 mm in width. Loading ramps are installed at the beginning of the roller conveyor, and unloading ramps are similarly installed at the output. Following the shotblasting machine, additional units are installed, including a painting chamber and a drying chamber.

The shot blasting machine is equipped with 8 shotblasting turbines, each with a size of 500 and a power output of 37 kW.

This painting and shotblasting line was installed in 2014. The line remains one of the largest in the world.

