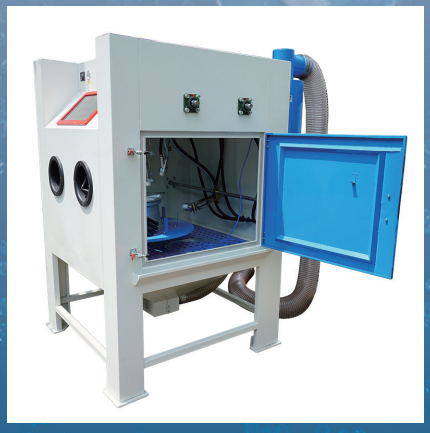
Automatic Sandblasting Machine

Automatic sandblasting machine is designed for big-volume processing of workparts with various sizes and shapes, mean while meet the requirement of consistent quality. kafan automatic sandblasting machines speeds up production time with using less manual efforts.

To suit for different applications, there are different types of automatic sandblasting machine. Whatever your process objectives are, Kafan's standard or custom-designed automation machine will achieve the highest surface preparation standards.

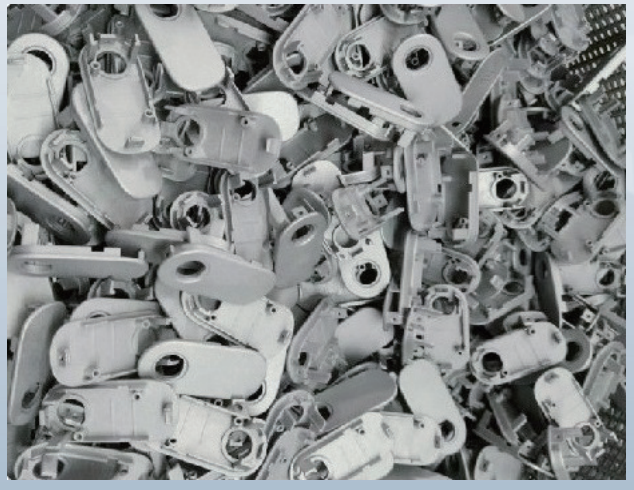






1. For batch small parts with various and demanding shapes

Automatic Tumble Basket Blast Machine



Automatic tumbling basket blast machine, also called rotary drum blast machine, can process small parts in mass production, like screws, zipper heads, 3D printed parts, and so on. Batch parts will be processed entirely and evenly.

Tumble Basket Blast Machine Working Process:

- Load the parts into the basket.
- Set the timer as per request.
- The basket will tumble and the blast gun will work automatically
- When time Arrive, the machine will stop automatically.



*Workpieces can be cleaned efficiently at higher speed due to abrasive blast stream exposure and mutual friction as they tumble in the basket and parts will contact with each other. If any tiny scratches on the parts are not acceptable, please ignore this method.

2. For batch relatively medium-sized or heavier parts

Automatic Tumble Belt Blast Machine



In the automatic tumbling belt blaster, workpieces tumble on the rubber belt, which rotate at a low speed to provide an even exposure to the abrasive streams, so that they are exposed to the blasting abrasive on all surfaces.

Tumble Belt Blast Machine Working Process

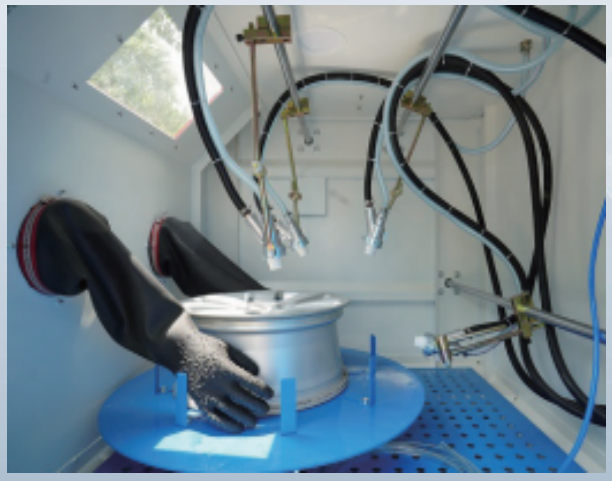
- Load parts on the rubber belt
- Set the timer according to required period
- The belt will tumble automatically and get perfectly finished parts.
- When time Arrive, the machine will stop automatically.



*Parts tumble on a thick, perforated rubber belt, a group of blast guns uniformly blast medias to all exposed surfaces to deliver a consistent finish automatically.

3. For big cylindrical or complex parts with blind spots

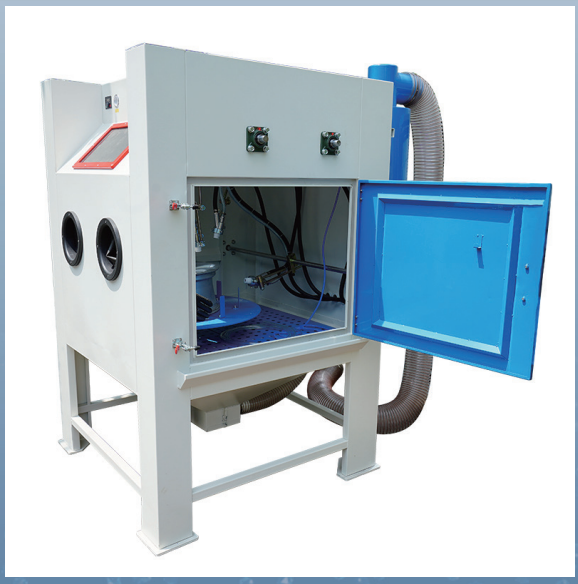
Automated Single Turntable Blasting Cabinet



Automated single turntable blasting cabinet is also known as rotary table sandblaster. It is designed to process complex shaped workparts for one piece each time, such as wheels, moulds, castings, etc.

Turntable Blast Machine Working Process:

- Mount the fixtures on the turntable if there are any.
- Load parts on the motorized turntable
- Start the automatic blast gun and dust collector
- Unload the parts after predetermined cycle



*As a group of automatic guns blasting and swinging, the turntable rotates automatically at the same time, thus all surfaces and corners of the object can be cleaned thoroughly and evenly.

4. For small-to-medium cylinderical parts in batch production

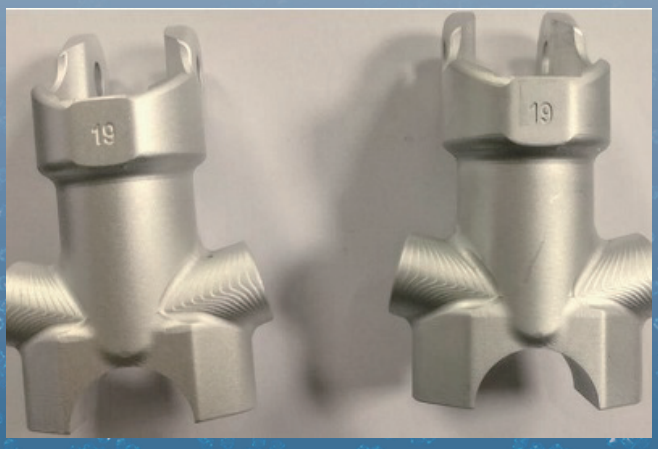
Automated Indexing Turntable Blasting Machine

Indexing turntables or multi-turntables are specially designed to process a large batch of parts in complex shapes and sizes without touching each other continuously. It can increase the productivity of repetitive blasting parts and improve quality consistency.



It allows blasting parts getting an exact quality or design standard, production supervisors can be assured of every part on every shift being blasted in exactly the same way.





Indexing Turntable Automatic Blast Machine Working Process

- Load parts manually or robotically at the loading station.
- Set the blast gun working modes, blasting time, dust collector, etc
- Leave the parts travel automatically inside the cabinet
- Unload the delicate finishing parts at the unloading station (same of the loading station)



*The automarc sandblasting machine is equipped with multi-independently rotating work stations on an indexing table that itself rotates through the cabinet, all in a satellite arrangement. There are four working areas, loading-unloading area, waiting area, blasting area and blowing-off area.

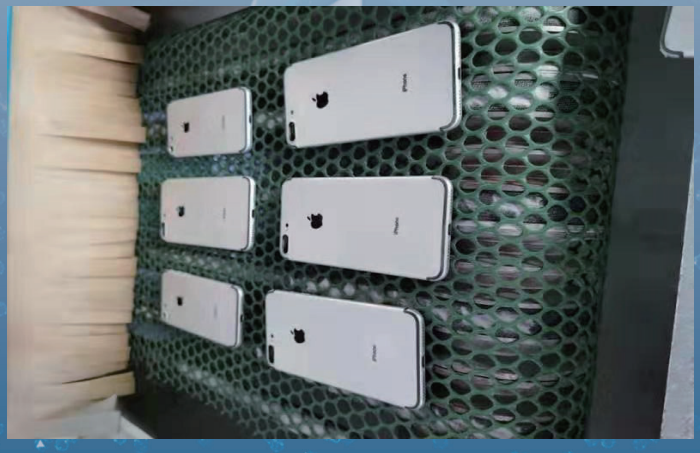
5. For small flat panels, large sheets, long-length profiles

Automatic Conveyor Sandblasting Machine

Automatic pass-through conveyor type sandblasting machine is also called in-line sandblasting system. It is ideal application for high-volume production of parts in flat shapes, such as, metal sheet, pipes, doors, frames, etc.



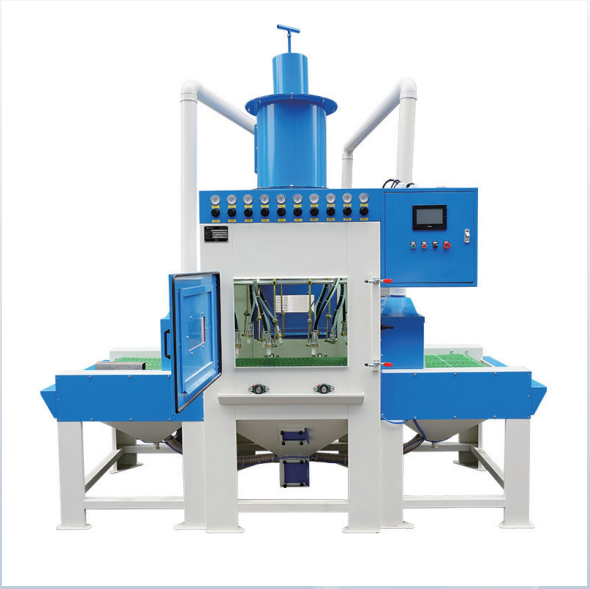
The blasting nozzles are designed to get the optimal performance and sufficient coverage of parts surface on the top or side. The conveyor belt running speed can be adjustable to meet different output. Machine sizes varies for different sizes of parts.





Automatic Conveyor Blast Machine Working Process

- Load parts on the belt manually or automatically by robotic arm.
- Set the blast gun fixed blasting or swinging blasting.
- Parts travel to the working cabinet and blasted by oscillating nozzles.
- Collect finished parts the at the exit of the conveyor belt.



*The operators put or fix the workpiece on the conveyor belt, when the workpiece is transported into the sandblasting chamber, the blasting guns automatically swinging and blasting, ensures the products is blasted entirely.