



Your satisfaction is always what we pursue!

Aluminium Profile Polishing Machine



The fast development of the aluminum extrusion industry, the development prospect ask for higher and higher requirements of the surface processing treatment of aluminum profiles, for example, the acid lightening polishing, electrolytic polishing, polishing sliver anodizing, polishing electrophoresis, polishing nickeling and so on. All of these surface process treatments need to be processed by mechanical polishing for re-treatment. Its purpose is to remove the natural oxide film and eliminate the extrusion scratching mark on the profile surface, so profiles surface can be smooth and shining like as a mirror. After processed treatment by mechanical polishing with different kinds of chemical treatment, the profiles surface will have a bright, shinning, smooth and nice luster, upscale, decorated and beauty. If it is equipped with the aluminum profile coloration processing treatment, the aluminum profile surface can be achieved different kinds of beautiful colors; if it is equipped with the acid brightening processing treatment, the aluminum profile surface will be more bright and shinning. So the aluminum profile surface mechanical polishing also represents a new direction of development of the aluminum extrusion applications. It means a higher level of aluminum profile surface treatment in aluminum extrusion industry.



Our machine not only can be used at the simple and normal building and architectural profiles, but also can process different kinds of complicated cross sectional aluminum profiles material (flat, incline, arc face, tube, with grooves noodles) for furniture, bathroom, bags, home appliance, aluminum tile trim, wooden floor trim, stairs edge trim, door edge trim and other profiles.

Our machine not only can process thick aluminum profile material, but also can process very thin and small aluminum profile material like 0.2mm. Most of thin and small aluminum profiles are aluminum trim which the function is for decorating.

Our factory has accumulated very rich experienced in designing, manufacturing and maintaining for making the equipment for aluminum profile processing.



The **aluminum profile polishing machine** is made by our factory, the characteristic is stable running performance, easy to operation, good impression, low maintenance costs and lasting using life. Our machine can meet different kinds of exported requirement.

1. The working principle of aluminum profile polishing machine:

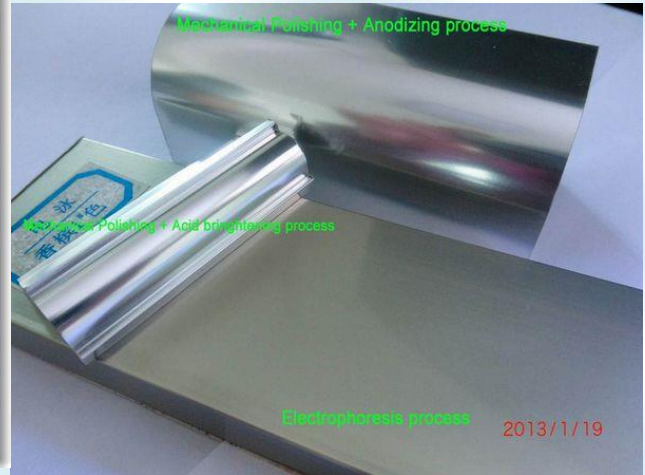
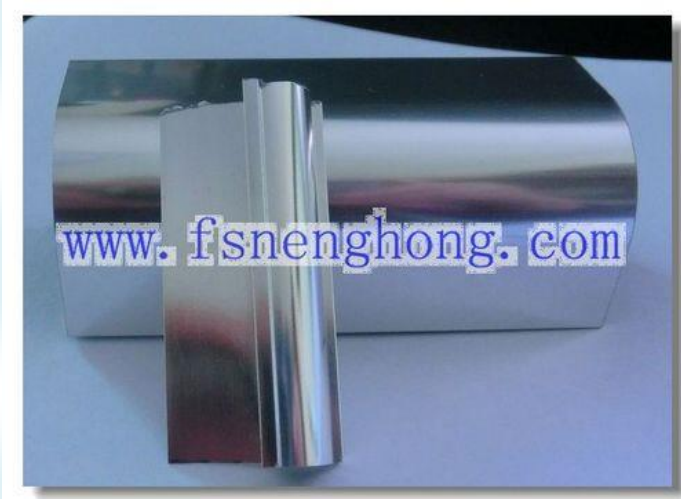
The working table drives the work piece by movement forward and backward. The main motor rotates at high speed and drive the cloth wheel. Cloth wheel and aluminum profile surface produce the tangential friction. Cloth wheel surface used the polishing wax or flux, thus achieve the aluminum profile surface polishing and sweeping the extrusion lines.

2. The components of aluminum profile polishing machine: Main machine, Rail, Working table, Dust collector, and Electric control box.

3. The technical parameters of aluminum profile polishing machine

- 1) Overall size: 8000×2500×2500mm (L×W×H)
- 2) Available aluminum profile size: 6000×700×200mm (L×W×H)
- 3) Total rail length: 13000mm
- 4) Polishing cloth wheel motor power: 20KW 2 units
- 5) Polishing speed: 3-15m/min
- 6) Dust collector device: one set (power:7.5KW, air blowing rate: 12000 m²/h)
- 7) Running motor: 1.5KW (frequency conversion, electromagnetic brake)
- 8) Main electric appliance: Mitsubishi (frequency transformer, contactor, thermal relay)
- 9) **Automatic wax spraying system:** 4 pieces of Germany spraying gun, one unit of 60L pressure drum.
- 10) Total power: 46.75KW





Aluminum Profile Shot Blasting Machine

This shot blasting machine adopts static frequency conversion for 360 degree-spraying; the complex and multi-faceted work piece can be finished by one time only. This product is improved through redesigning the structure and replacing important components of old type glass sand blasting machine. The improvements result in a better appearance, higher productivity, easier operation and higher efficiency.



Feature:

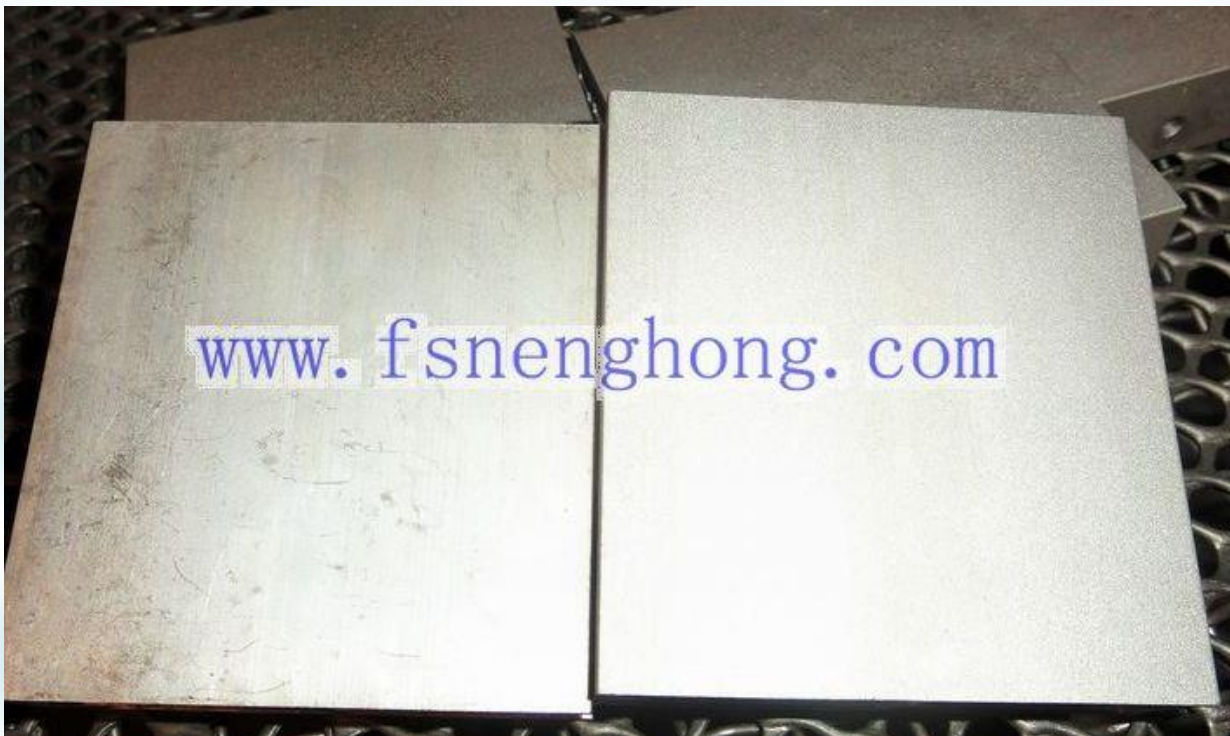
1. Spraying guns are independent or row frequency control so that it meets various requirements of profile surface treatment and reaches the effect requirement by one time only.
2. High efficiency and easy operation and maintenance. The machine is controlled by PLC, and able to finish shot blasting process automatically. It is equipped with the automatic feeding device and sand discharging device, the interval time of feeding can be shorten 5 seconds.
3. Excellent dust removing effect. It is equipped with high quality and efficiency dust collector which is the most advanced dust removing system in China. Usage cost is low.

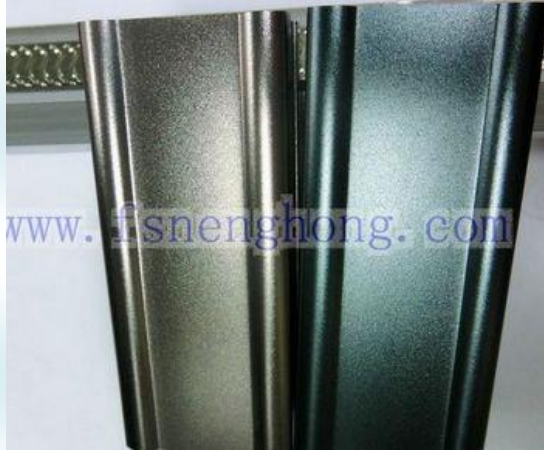
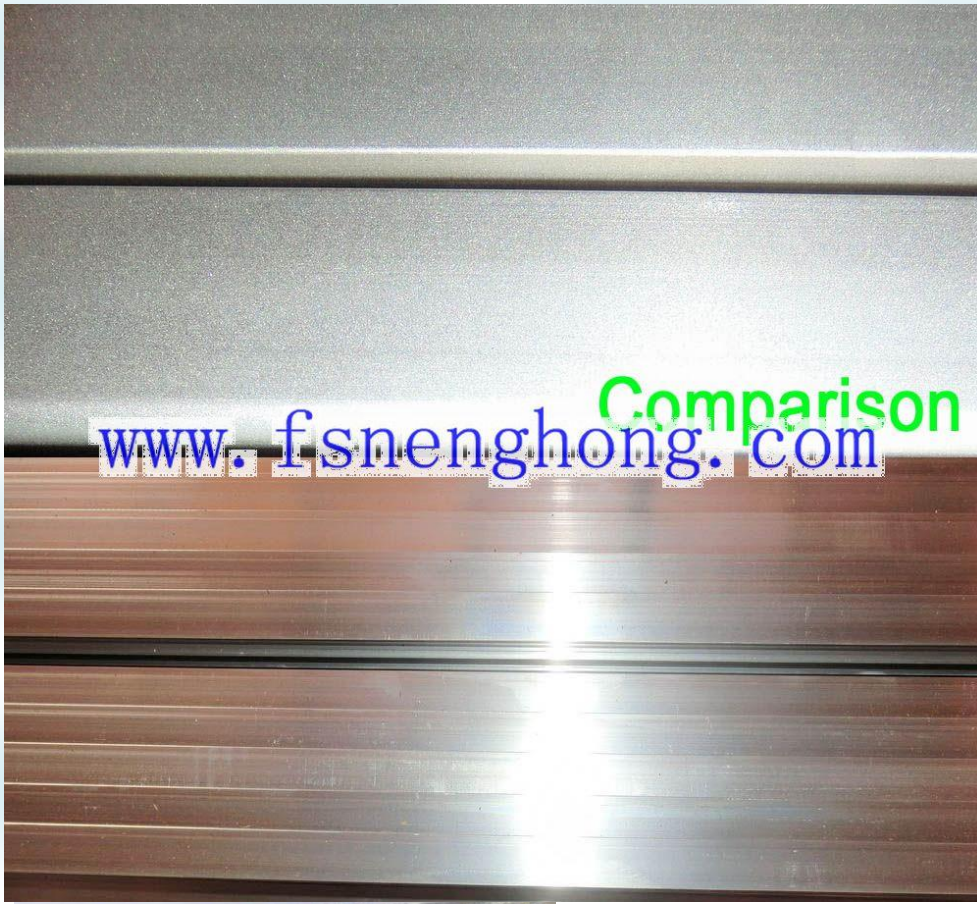


4. Low maintenance cost and long service life. After years of upgrading, the mechanical structure of machine is more advanced and reasonable. Adopt high quality steel material advanced manufacturing technology to make sure the whole set is firm and stable enough when the machine is running. Meanwhile, the stronger structure of the whole set can prolong the lifespan of machine.

Technical data of shot blasting machine:

1. Available specification of cross section: 1000×300mm (W×H)
2. Available length for work piece: 3000~8000mm
3. Shot blasting device: 8 pieces
4. Feeding speed:6~10m/min (adjustable)
5. Output:10~30 Tons per day based on thickness 1.0mm
6. Steel sand consumption: 0.5~1KG per ton of aluminum profile
7. Power consumption: Average of 18 KW per hour at the normal usage condition.
8. Power of shot blasting device: 8×4KW
9. Dust removing system: 3KW
- 10.Lifting system: 3KW
- 11.Total power: 43KW
- 12.Main machine size: 4400×2380×5000mm
- 13.Overall size: 15000×4500×5000mm

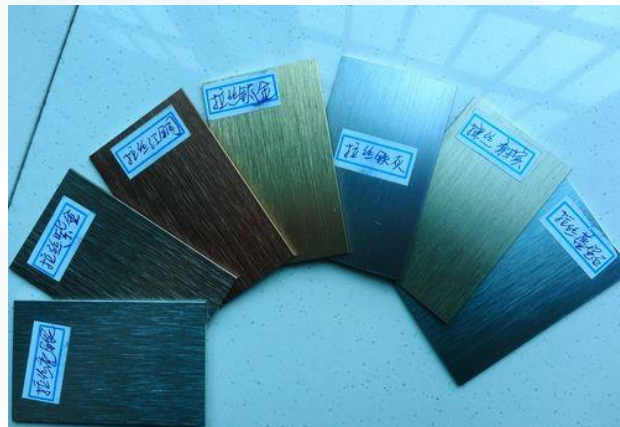
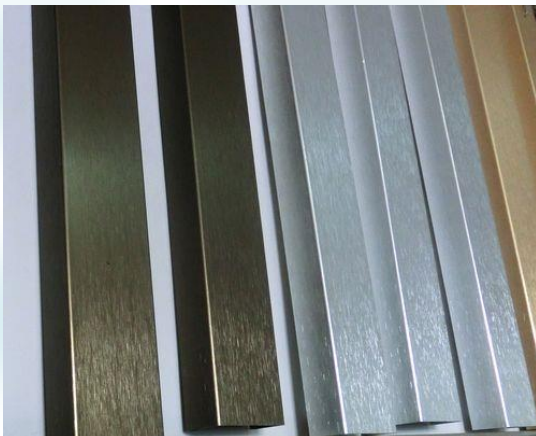




Aluminium Profiles Surface Lines Brushing Machine



Aluminium Profile Lines Brushing machine is used for scratching or brushing the hairlines on the aluminum profile surface by nylon wheels in high rotation speed, after the anodizing and coloring process, aluminum profiles surface will be colorful, beauty and decorated; if it is equipped with acid brightening process, aluminum profiles surface will be brighter. With the aluminum extrusion industrial developing, you also can carve different kinds of decorative pattern on others side, so the whole aluminum profiles will be more beauty and increase the value of aluminum profiles. **It** applies to the 3000~6000mm aluminum profile for lines drawing by back and forth movement. The size of lines is adjustable through the axle adjustment according to client's need. **It** is improved through redesigning the structure and replacing important components. The improvements result in a better quality, easier operation, higher efficiency. You can choose the machine for one face, two faces, three faces by one time finished.



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Thanks for your attention!

