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Hook Type Shot Blasting Machine

Spinner Hanger Shot Blasting Machine



Spinner Hanger shot blasting machine is suitable for cleaning the foundry part, construction, chemical engineering, machine tools and many other industries of large, medium-size castings and forgings surface cleaning. The hook shot blasting machine is the most popular type cleaning machine.

Characteristics of Spinner hanger shot blasting machine

The Spinner hanger shot blasting machine are self contained, robustly built and designed for the economical and efficient surface treatment of a variety of workpieces. Incorporating a 'Y' track overhead rail enables one batch of workpieces to be loaded while another batch is in the machine being processed. The exhaust air system, with integral dust collector, means that the machine can be installed without any additional ducting.

Applications of spinner hanger shot blasting machine

- .Removal of mill and forge scale as well as rust
- .Removal of burrs and scales
- .Removal of moulding sand
- .Increase of surface roughness
- .Shot peening to increase fatigue strength

Assemble, Connect and Blast

Immediately ready for use and complete with two or three blast wheels, you can be in production from day one. The spinner hanger shot blasting machines are robustly built and designed for the economical surface treatment of a variety of workpieces.

Technical Parameter of Spinner Hanger Shot Blasting Machine

Model	workpiece dimension	loading capacity of single hook	lifting capacity of elevator	separating capacity of separator	Motor power
	mm	kg	t/h	t/h	kw
Q376	600*1100	500	25	15	19
Q378	800*1500	1000	22	22	32.5
Q3710	900*1600	1000	0	30	36.55
QD3710	900*1600	1000	30	30	39.65
Q3720	1400*300	2000	45	45	61.27
Q3730	1600*2300	3000	45	45	64.4
Q3750	1800*2500	5000	60	60	78.4
Q3780	2000*3000	8000	60	60	81.5

Shot Blasting Wheel Blade Control Cage



Shot Blasting Machine spare parts blade wheel control cage

Shot Blasting machine spare parts control cage,blad ,wheel,steel guard

Qingdao bestech machinery Co.,ltd is the professional manufacturers of Shot blasting machine and shot blasting machine wear resisting spare parts, China specializes in the production of all kinds of shot blasting machine,we are the best shot blasting machine wear resisting spare parts supplier,we can supply all kinds of wear resisting spare parts for shot blasting machine such as :

- 1.blade for shot blasting machine
- 2.shot blasting turbine impeller
- 3.blast wheel for shot blasting machine
- 4.control cage for shot blasting machine
- 5.high Cr steel armor/guard for shot blasting machine
- 6.elevator bucket for shot blasting machine

Double Hook Shot Blasting Machine



37 series hook type sand blast machine/ hook abrasive blaster is mainly used for surface cleaning and strengthening of steel structural parts, castings, aluminum alloy parts and other spare parts.

37 series hook type sand blast machine/ hook abrasive blaster is mainly used for surface cleaning and strengthening of steel structural parts, castings, aluminum alloy parts and other spare parts. It is widely used in foundry, mechanical and steel industry . This series has following advantages: no pit, double hook without rail exchanging, compact structure, and high productivity.

Features:

1. The equipment is mainly applied in the processing of medium and small size workpieces in large scale. It has the advantage of high efficiency, compact structure.
2. Workpieces can be transported continuously. The working procedure is that, setting the speed, hanging workpieces over the hooks, and removing them after shot cleaning.
3. Each single hook can hang weight from 50 kgs to 2000 kgs with high productivity and stable running.
4. It makes a best effect on complicated workpieces both the surface and inner part, such as cylinder cap of engine and motor casing.
5. It is an ideal choice for auto, tractor, diesel engine, motor and valve industry.

Item Type	Q376	Q378	Q3710	Q3720
Workpiece Dimensions(mm)	φ600*1100	φ800*1500	φ900*1600	φ1400*2300
Each hook capacity (kg)	600	1000	1000	2000
Shot blasting rate (kg/m)	2*120	2*180	2*250	3*250
Lifting capacity (t/h)	15	22	30	45
Fractional dose (t/h)	15	22	30	45
Blast volume of Dust Elimination (m ³ /h)	5000	8000	9000	15000

Hanger Hook Shot Blasting Machine



When the machine is working, after the preparation (dust removal system, hoist, screw conveyor, etc.) is finished, the machine starts to work normally. First, the hook drops to lift the workpiece, rises to a certain position, then enters the shot blasting chamber along the track, and stops and starts to rotate when it reaches the predetermined position. At this point, close the door of the shot blasting cleaning room, open the shot blasting device, and open the shot feeding brake.

Product Advantage:

1. The turbine is composed of blast wheel, the structure is simple and durable.
2. Segregator is very efficient and it can protect blast wheel.
3. The dust filter can greatly reduce air pollution and improve the work environment.
4. Abrasion resistant rubber belt lighten the collision of work pieces, and lower the noise.
5. This machine is controlled by PLC, the operation is easy and reliable.

Product Introduction:

1. Shot blasting is a method used to clean, strengthen (peen) or Polish metal.
2. Shot blasting is used in almost every industry that uses metal, including aerospace, automotive, construction, foundry, shipbuilding rail, and many others. There are two technologies used: wheel blasting or air blasting.

1. Shot blasting chamber: 1 set
2. Rail systems (2 sets hanger): 1 set
3. Spiral pusher system: 1 set
4. Elevator system: 1 set
5. Separator system: 1 set
6. Maintenance platform: 1 set
7. Steel shot semi-automatic flow valve: 2 sets
8. CNC processing turbine: 2 sets
9. Transmission system: 1 set
10. Dust collecting system: 1 set
11. Electric system: 1 set

Machine Manufacturers Hot Sales New Design Hanger Automatic Shot Blasting Machine For Electronic Industry Surface Processing With Siemens PLC Features:

1. Shot blasting chamber body is made of 6mm manganese steel precision welding; the body with

double wear-resistant manganese steel shield fastened by high wear-resistant nuts; Easy to repair and maintenance, greatly improving the maintenance. Machine body ensure 20 years use life.

2. Y type double rail input and output convey system, manual control loading and unloading, input and output convey(This way is safe)

3. The shot blasting chamber adopts compact and closed design, to ensure no steel shots splash.

4. Adopting Mayflay precision casting high performance shot blaster which is equipped with semi-automatic flow control valve to adjust the shot flow.

5. The recovery steel shot adopts spiral pusher + elevator+ air separator, the bottom is equipped with photo electricity induction system to monitor and alarm the pellet recovery system which is stable and reliable.

6. Dust collecting system uses dry dust collector,fire safety, without any spare parts, use cost low, dust emissions is less than 50 mg/m³.

7. Electrical system adopts Siemens system, and human-machine interface use 7 inches color touch control panel, 3D animation guidance prompt, powerful function.

8. All necessary labels on the machine are posted at distinct positions, such as safety tips, maintenance tips, operation standard, equipment status, customer service engineer card and service record sheet, etc.

9. All motors of the machine are driven by direct transmission, and the safety and maintenance performance are greatly improved.

How To Operate The Double Hooks Shot Blasting Machine ?

1.Work pieces are placed in work piece holders or are suspended directly from the running gear's rotating hook. The work pieces are then pushed into position in front of the blasting machine. An automatic feed mechanism then advances the work pieces to the first blasting position.

2.After the blasting program begins, the machine door is automatically closed and electro-pneumatically locked. As the work pieces rotate, they are blasted at three different blasting stations according to the pre-set blasting times.

3.The blasting abrasive is continuously cleaned, recirculated and reused. An abrasive metering device feeds the cleaned abrasive from the abrasive storage bunker to the high-performance turbines.

4.Upon completion of the blasting cycle and after the turbines have come to a complete stop, the machine door opens automatically and the suspended work pieces return to their initial position.

5.A fan unit creates the partial vacuum necessary to maintain dust-free operation of the blasting unit. Extracted air is cleaned in a special filter unit.

type	size of workpiece cleaned	carrying weight of single hook	carrying of shot-blasting	lifting capacity of hoist	separating capacity of separator	vntilation capacity	power	outline dimension
	mm	kg	kg/min	t/h	t/h	m ³ /h	kw	mm
Q376	600*1100	500	2*120	25	15	5000	19	4429*2850*3443
Q378	800*1500	1000	2*200	22	22	8000	32.5	4325*2660*5009

Q3710	900*1600	1000	2*250	0	30	9000	36.55	5047*3850*5156
QD3710	900*1600	1000	2*250	30	30	9000	39.65	5844*2742*5716
Q3720	1400*300	2000	3*250	45	45	15000	61.27	6110*3599*7842
Q3730	1600*2300	3000	3*250	45	45	15000	64.4	7085*4650*8652
Q3750	1800*2500	5000	4*250	60	60	18000	78.4	7062*5460*8652
Q3780	2000*3000	8000	4*250	60	60	20000	81.5	850*6400*8526

Continuous Shot Blasting Machine



Automatic pass type hanger shot blasting machine is design to handle mix load of medium & large components including fragile & irregular shapes.

Continuous Shot Blasting Machine is Qingdao Bestech specialized design and produce one of hook type shot blasting machine.

Continuous Shot Blasting Machine is design to handle mix load of medium & large components including fragile & irregular shapes. Small components can also be cleaned by loading into carrier basket. Various work handling schemes like Straight, Tee, Y and continuous loop is possible. Machine can handle load up to 5000 kg/hanger or more.

Continuous Shot Blasting Machine is equipped with a monorail suspension system, which can move the workpiece continuously and through the machine. It can realize the automation of the production process and improve the working environment, improve the efficiency and cost effectiveness of the shot blasting cleaning process. In addition to the above advantages, the advantages of small footprint, short transportation distance and no intermediate storage also greatly reduce the production cost.

Item		Q384C	Q385C	Q483C	Q485C
productivity kook/h	50,65,38,49	70,80	75	300	500
Speed of hook m/min	0.5,0.65	0.8,0.39	0.65	2.44	7.34
Carrying	250	400	500	300	500

capacity of single hook(kg)					
Interval between lifting hooks(mm)	600,800	800	800	2560	2560
Abrasive flow rate(kg/min)	4*250	6*250	5*250	2*250	3*250
Ventilation capacity(m³/h)	18000	26500	23700	6000	10000
Cleaning size(mm)	500*1200 700*1200	700*1500	700*1500	1000*1400	1200*1500
Outline dimension(mm)	11764*5525*8254	15380*14706*9542	15308*14706*9542	8450&5350*5003	12235*5410*9411
Pit depth(mm)	2070	2667	1700	-	-
Power consumption(kw)	75.3	122.6	106,75	38.75	58.43
Gross weight of machine	19370	53600	31877	11150	18365

Shot Blasting Machine Turbine Impeller



Shot Blasting Machine spare parts Turbine Impeller

Shot Blasting Machine Turbine Impeller Details: Direct-driven blast wheel

The Direct driven blast wheel is one kind of new-design, high-efficient blast wheel, beautiful appearance, compact confi-guration, low noise, economy and environmental protection. It Has the

largest power and largest abrasive flow.

Type	Diameter of impeller(mm)	Rotating speed of impeller(r/min)	Maximum capacity abrasive flow(kg/min)	Power of motor(KW)
Q034	380	2940	120	7.5
Q033	400	2450	180	11
Q034B	380	2940	250	15

Belt-wheel blast wheel

Belt-wheel blast wheel is conventional, large abrasive flow rate and good cleaning effect etc. It is a essential part of the airless shot blast cleaning equipment.

Type	Diameter of impeller(mm)	Rotating speed of impeller(r/min)	Maximum capacity abrasive flow(kg/min)	Power of motor(KW)
Q034	420	2600	250	15
Q035	500	2250	360	22
Q035G	500	2250	480	30
Q038	500	2370	970	75

Curve-blade shot blast wheel

This is the Core device of shot blast machine abrator. Blasting steel shot to clean the surface of metal parts. The clean effect is based on the efficiency of the abrator head. Abrator head is with high efficiency, compact design and widely used for the abrator machinery industry. The Curve-blade blast wheel is the most advanced high-efficiency on the world at the moment, huge blast speed and area, high-efficiency, uniform clean etc.

Type	Diameter of impeller(mm)	Rotating speed of impeller(r/min)	Maximum capacity abrasive flow(kg/min)	Power of motor(KW)
Q06311	300	2940	180	11
Q06315	300	2940	240	15
Q06318	300	2940	300	18.5
Q06322	300	2940	350	22

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