

KLH1018-8 ROLLER CONVEYOR SHOT BLASTING MACHINE

- SPECIAL FOR CLEANING H BEAM, BOX BEAM, STEEL STRUCTURES
- NO FOUNDATION PIT DESIGN



KHOLEE BLAST - YANCHENG DAFENG SANXING MACHINERY CO., LTD

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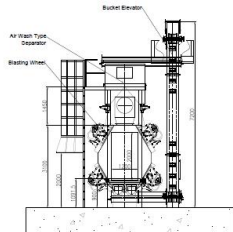
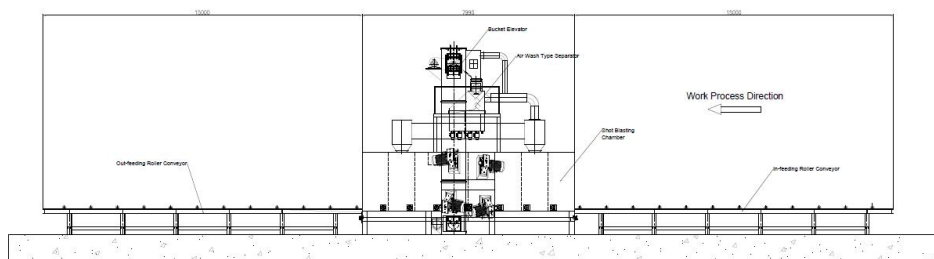
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KLH1018-8 roller conveyor shot blasting machine is used to clean H beam, box beam, big steel structure, pipe, steel plate etc. in PEB structure manufacturing workshop. It adopts advanced blasting turbine to do blasting to all the surface of steel and remove rust, oxide layers, welding slag. After blasting, it gets clean surface Sa2.5 with certain roughness which improves the paint film adhesion, anti-fatigue and anti-corrosion, prolong the service life of steel. It is widely used in the industry of steel structure, ship building, engineering machinery & bridge construction etc.

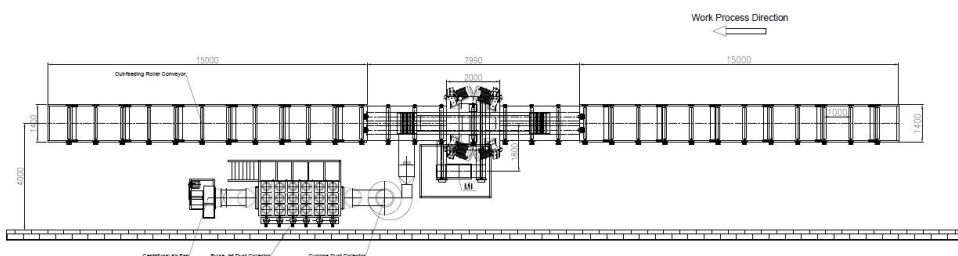
The equipment is comprised of in-feeding roller conveyor, shot blasting chamber, blasting turbine, shots recycle system, dust removing system, out-feeding roller conveyor and electrical control system etc.

KLH1018-8 roller conveyor shot blasting machine adopts no foundation pit design. It will save a lot of investment in foundation pit construction. The investment for shot blasting machine includes equipment value and foundation pit construction cost. If the equipment adopts no pit design, it will save investment for foundation construction.



Technical Specification

- 1 Blasting Job Size: H Beam 1000*1600*15000mm
Max Weight: 10,000kgs
- 2 Roller Conveyor: Loading capacity 1000kg/m
Roller Distance 1000mm
Working Speed: 0.5~2.5m/min
Power: 3kw*2
In-feeding Roller Conveyor: 15000mm
Blasting Chamber Roller Conveyor: 7960mm
Out-feeding Roller Conveyor: 15000mm
- 3 Blasting Chamber Open Size: 1200*2000mm
- 4 Blasting Turbine: QD34, 11kw, 200kg/min*8, 8 sets
- 5 Porttalt Screw Conveyor: 960h, 5.5kw, 2 set
- 6 Transverse Screw Conveyor: 960h, 4kw, 1 set
- 7 Bucket Elevator: 960h, 7.5kw, 1 set
- 8 Air Wash Type Separator: 960h, 4kw, 1 set
- 9 Dust Removing System: Cyclone Dust Collector 1 set
Pulse Jet dust collector KL-DC-18
Filter Cartridge: 325*1100mm, 18 pcs
Air Volume: 25600m³/hr
Centrifugal Air Fan: 22kw
Qty: 1 set
- 10 Surface Quality After Blasting: Sa 2.5
- 11 Roughness after blasting: 15~75 um, depends on steel shots size used for blasting.
- 12 Total Power of equipment: about 137kw
- 13 General Size of Equipment: refer to drawing.



Size of Blasting Jobs Max Size	H Beam	1,000×1,800×15,000mm
	Weight	10,000kgs
Blasting Chamber	Open Size	1,200×2,000mm
	Chamber Length	7,990mm
	Main blasting chamber is protected By Cr13 Wearing Resistance Plate Liner service life: opposite blast wheel ≥ 4,000hrs Other Parts ≥ 10,000hrs	
Working Speed	0.5~2.5 m/min	
Steel Shots	Model	S390/1.2mm
	Initial Input	4000~6000kg
	Provided by the client	
Blasting Wheel - Direct Coupling	Model	KLQ350D
	Quantity	8 sets
	Rotating speed	2930rpm
	Shot blasting capacity	200 kg/min ×8
	Power	11kw × 8
	Service Life	Blades ≥1000hrs Impeller ≥ 2000hrs Control Cage ≥ 2000hrs
In-feeding Roller Conveyor	Loading Capacity	1000 kg/m
	Space Between Rollers	1000mm
	Length	15,000m
	Power	3 kw
Out-feeding Roller Conveyor	Loading Capacity	1000 kg/m
	Space Between Rollers	1000mm
	Length	15,000m
	Power	3 kw
Portrait Screw Conveyor - With checking device	Delivery capacity	96 t/h
	Power	5.5kw
	Quantity	2 sets
Transverse Screw Conveyor - With checking device	Delivery capacity	96 t/h
	Power	4kw
	Quantity	1 set

Bucket Elevator	Lifting capacity	96 t/h
	Power	7.5 kw
	Quantity	1 set
Shots-Dust Separator Air Wash Type - With checking device	Separating capacity	96 t/h
	Air speed in separating area	4~5 m/s
	Power	4 kw
Pneumatic Shots Supply Valve	Compressed Air Pressure	0.4~0.6 Mpa
	Quantity	8 pcs
Cyclone Dust Collector	Diameter	Φ1260mm
	Qty	1 set
Pulse Jet Type Dust Collector - With Fast Replacement Technology	Model	KL-DC-18
	Cartridge Filter	Φ325 × 1100mm
	Cartridge Filter Quantity	18 pcs
	Dust Cleaning Type	Pulse Jet
	Dust Emission Density	≤80 mg/m ³
	Air Volume	25,600 m ³ /hr
	Centrifugal Air Fan	22kw
	Quantity	1 Set
Electrical Control System	Voltage/Frequency	380V/50Hz/3Ph
	Operation Type	Manual + PLC control
	Equipped with China Famous Brand Elements Such as CHINT Mitsubishi	PLC, breaker, contactor, time relay, thermal relay, button, switch etc. Interlock safety control
Total Power	About 137kw	
Overall Size of Machine	About L 37,990× W 6,000× H7,500mm	
Accessories	Free Spare Parts	Blade 8 sets
		Impeller 8 pcs
		Control Cage 8 pcs
	Installation Instruction Book	1pc
	Operation & Maintenance Book	1pc
	Electrical Diagram	1pc
	Blasting Turbine Instruction	1pc

Supply Scope of KL1018-8 Roller Conveyor Shot Blasting Machine For Seller & Buyer

3.1 Supply Scope from the seller

KLH1018-8 Roller Conveyor Shot Blasting Machine	01) Shot Blasting Chamber with 13Cr Alloy steel protective linear, rubber curtains, roller conveyors, 1 set
	02) In-feeding Roller Conveyor & Out-feeding Roller Conveyor, 15m each
	03) 11kw KLQ035D Direct Coupling Blasting Wheel, 8 units
	04) 5.5kw-96t/hr Portrait Screw Conveyor, 2 units
	05) 4kw-96t/hr Transverse Screw Conveyor, 1 unit
	06) 7.5kw-96t/hr Bucket Elevator, 1 unit
	07) 4kw-96t/hr Air Wash Type Separator, 01 unit
	08) Pneumatic Shots Supply Valve, 08 unit
	09) KL-DC-18 Pulse Jet Dust Collector, 01 unit
	10) Centrifugal Air Fan 22kw, 01 unit
	11) Cyclone Dust Collector, 01 unit
	12) Air Ducting Pipes & Silencer, 01 set
	13) Electrical control system, PLC control, 01 unit
	14) Platform & Railings, 01 unit
	15) Accessories, 01 set

3.2 Supply Scope from the buyer

KLH1018-8 Roller Conveyor Shot Blasting Machine	01) Compressed Air System including pipelines to blasting equipment & air compressor.
	02) Electrical Power
	03) Abrasive: steel shots/grits
	04) Crane System
	05) Installation tools
	06) Work pieces for blasting
	07) Workers to help installation

Energy Consumption List

Electrical Power Consumption List

No.	Name	Power
1	In-feeding Roller Conveyor	3kw × 1
2	Blasting Wheel	11kw × 8
3	Portrait Screw Conveyor	5.5kw × 1
4	Transverse Screw Conveyor	4kw × 1
5	Bucket Elevator	7.5kw × 1
6	Air Wash Type Separator	4kw × 1
7	Out-feeding Roller Conveyor	3kw × 1
8	Centrifugal Air Fan	22kw × 1
9	Total Power	135.4kw

Compressed Air Consumption

No.	Name	Power
1	Dust Collector	1.5cbm/min, 0.6Mpa
2	Pneumatic Supply Valve	

Remark:

- The buyer needs to provide piston air compressor 1.05cbm/min, 1.05Mpa, air tank, air drier, water oil separator, relief valves and compressed air pipeline by themselves.

Key Parts Manufacturer

No.	Name	Manufacturer
1	Blasting Wheel	Kholee / Sanxing
2	Consumable Spare Parts in Blasting Wheel	KXD
3	Blasting Turbine Motor	Bede / Dazhong/ Huali
4	Gear Reduced Motor	Guomao / Tailong
5	Mn13 Steel Plate	Bao Steel / Tai Steel
6	Centrifugal Air Fan	Nantong / Shanghai / Dongtai
7	Dust Collector	Sanxing
8	Key Electrical Elements	Schneider
9	PLC	Mitsubishi
10	Inverter	Mitsubishi

PHOTOS OF SHOT BLASTING MACHINE



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