

Spesifikasi Mesin Sand Blasting

Technical Data of Q6927 Sand Blasting

1. Roller conveyor system	Dynamic loading capacity	1000 kg/m
	Total conveying length	12meter * 2 lane
	Roller separation distance	500-600 mm
	Roller diameter	121 mm
	Roller width	770mm
	Moving speed	0-5 rev/min (frequency conversion speed regulation)
	Driving motor power	7.5kw
	Blasting chamber	Material of protective area: Mn13
2. Shot blasting system	Auxiliary chamber	with rubber curtains for sealing the abrasive flying out of the chamber
	Blasting wheel	Type: Q304 Quantity: 8 units Impeller structure: double disc Blade structure: Straight line Connector method: Direct connection Blasting capacity: 8740 kg/hr Power: 8713 kw Speed: 76 r/min Conveying capacity: 120T/h Screw diameter: <350 mm Power: 7.5kw Qty: 2 sets
3. Abrasive reclaim system	Screen conveyor	Lifting capacity: 120T/h Lifting speed: 1.2 m/s Power: 11 kw Qty: 1 set
	Bucket elevator	Quantity of separation: 120T/h Air speed: 4-5 m/s Waste content: <3% (Full outside and flow curtain type multi-stage screening)
	Separator	Screw diameter: 300mm Power: 7.5kw Qty: 1 set
	Suggest abrasive	40-120, Wire rope cut shot, tire wire cut shot, cast steel alloy shot, stainless steel shot, etc.
4. Abrasive control system	First loading	<600kg (outer inside)
	Maximum flow of single supplying shot valve	500 kg/min
	Projectile consumption	Cast steel shot: 0.03kg/100 Wire cut shot: 0.0675kg/100
	Filter type	4-T2M2
5. Dust removal system (filter cartridge pulse)	Filtering material	Polyester coated filter cartridge

6. Sweeping system	Fun power	1715 kw
	Dust removal efficiency	>99.6%
	Explosion-proof	<0.01 g
	Workpiece volume	<2000 m³/h
	Main pipe diameter	60mm
	Cartridge quantity	20-240-360
	Filter area	450 m²
	First feeding rate	Automatic lock pulse
	Back flush valve diameter	50mm outer
	Back flush control	Pulse Controller
	Filtering level	Presealing, Automatic
	Storage method	Chimney or pool
	Filtering accuracy	1um
	Dust emission level	<10 mg/m³
	Dust loading after cleaning	5-10 mg/m³
	Sweeping device	Suction layer: 3 layers Suction material: Polyurethane
	Collecting screw device	Conveying capacity: 52 T/h Motor power: 3 kw Quantity: 1 set
	Rolling sweepers with	Rolling brush diameter: 900 mm Motor power: 4kw Quantity: 2 sets
	Strong blowing vent	High pressure fan model: 5-30 Total pressure: 3000 pa Air volume: 6000 m³/h Power: 22kw Quantity: 1 set
	Lifting device	Lifting frame: The brake reducer drives Hoist: set up and down Power: 3kw Quantity: 2 sets
7. Control system	PLC automatic control, one-key operating system, automatic fault detection and alarm function	
8. Noise	85dB	
9. Total electric power	<227.5kW	

Processed Workpieces and Parameters

1. Overall size of machine (L*W*H)	± 91 * 13 * 6 meter
2. Chamber open size (W*H)	2700*500 mm
3. Max. Size of Workpiece	Width: <1500mm
	Length: 2100-12000mm
4. Processing speed	Length: 8mm-120mm steel plate<40
	0.5-2m/min (According to 4-6 grade degree of concave of angle/curvature surface and workpiece diameter size use the highest frequency conversion available speed)
5. Finish level	SA2.5 (ISO 8523-B)
6. Processing material and strength range	Q235/Q345/Q355/42CrMo etc.
7. Surface roughness	40-75 μ (Depend on abrasive size)
8. Compressed air consumption	0.5m³/min
9. Compressed air pressure	0.4-0.7MPa
10. Electric power supply	380V, 50/60Hz or customized
11. P1 requirement	Waterproof



Note:
Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!