



EUROBLAST MIDDLE EAST

PANGBORN
SES

Blast Cleaning Machines (Horizontal)



Types: 4D1500/765H, 4D2000/500H, 6D3000/500H, 8D3500/500H

Pangborn SES offers a range of blast cleaning machines for horizontal section, profile, pipe and plate cleaning. The machines are fitted with 4, 6 or 8 wheel units depending on size and application. They are suitable for medium to large structural steel or fabrication companies.

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BLAST CLEANING MACHINES (HORIZONTAL)



Technical Data, Features & Benefits

Blast Wheel Speed	Variable from 2200 to 3800 RPM when fitted with optional electronic inverter control.
Blast Wheel Type	Pangborn RIM-LOC 8 Vane type reversible rotoblast wheels, achieve faster cleaning and feature the easiest and quickest maintenance vane change in the industry.
Machine Operating Speed	When fitted with 11.0 kW wheel motors the average throughput speed is 1.5 m per minute when cleaning to SA2.5. When fitted with 18.5 kW wheel motors the average throughput speed is 2.0 m (6D3000) / 1.5 m (8D3500) per minute when cleaning to SA2.5.
Abrasive Control System	Individual quadrant valves on each wheel activated by sensor or manual push button.
Blast Cabinet Protection	Cross rolled manganese steel.
Blast Cabinet Floor	High chrome alloy steel perforated floor plates.
Abrasive Recovery System	Heavy duty screw conveyors, belt and bucket elevator and rotary sieve type airwash unit.



Model	4D1500/765H	4D2000/500H	6D3000/500H	8D3500/500H
Wheel Units	4 @ 11.0 kW	4 @ 15.0 kW	6 @ 18.5 kW	8 @ 18.5 kW
Elevator	1 @ 2.2 kW	1 @ 3.0 kW	1 @ 5.5 kW	2 @ 5.5 kW
Rotary Sieve	1 @ 1.5 kW	1 @ 1.5 kW	1 @ 2.2 kW	2 @ 2.2 kW
Main Screw	-	-	2 @ 2.2 kW	2 @ 3.0 kW
Inlet Screw	1 @ 1.1 kW	1 @ 1.1 kW	2 @ 0.75 kW	2 @ 1.5 kW
Outlet Screw	1 @ 1.5 kW	1 @ 1.5 kW	2 @ 2.2 kW	2 @ 3.0 kW
Rotary Brush	1 @ 1.5 kW	1 @ 1.5 kW	1 @ 2.2 kW	1 @ 3.0 kW
Brush Rise & Fall	1 @ 0.25 kW	1 @ 0.25 kW	1 @ 0.25 kW	1 @ 0.37 kW
Dispersion Plate (R&F)	1 @ 0.25 kW	-	-	-
Cross Screw	-	1 @ 1.5 kW	1 @ 1.5 kW	1 @ 2.2 kW
Cross Screw Rise & Fall	-	1 @ 0.25 kW	1 @ 0.25 kW	1 @ 0.37 kW
Airknife Fan	1 @ 7.5 kW	1 @ 15 kW	2 @ 11.0 kW	2 @ 11.0 kW
Airknife Rise & Fall	1 @ 0.25 kW	1 @ 0.25 kW	1 @ 0.25 kW	1 @ 0.37 kW
Conveyor Drives	1 @ 1.5 kW	1 @ 3.0 kW	2 @ 2.2 kW	3 @ 2.2 kW
Dust Arrester	1 @ 15.0 kW 10200 m³/hr	1 @ 18.5 kW 11900 m³/hr	2 @ 15.0 kW 20400 m³/hr	2 @ 15.0 kW 25500 m³/hr
Compressed air for shot control and dust arrester pulsing	35 m³/hr @ 5.5 bar	35 m³/hr @ 5.5 bar	45 m³/hr @ 5.5 bar	45 m³/hr @ 5.5 bar
Maximum Section Size*	914 mm x 419 mm (Horizontal)	914 mm x 419 mm (Horizontal)	914 mm x 419 mm (Horizontal)	914 mm x 419 mm (Horizontal)
Maximum Box Section*	550 mm square	400 mm square	1000 mm x 500 mm	1000 mm x 500 mm
Maximum Pipe Diameter*	650 mm	400 mm	500 mm	500 mm
Maximum Plate Width*	1500 mm	2000 mm	3000 mm	3500 mm
Min-Max Plate Thickness*	4 - 75 mm	5 - 80 mm	5 - 80 mm	5 - 80 mm
Minimum Section Length*	3000 mm	3000 mm	3000 mm	3000 mm

*Small Sections or Profiles pass through the machine in multiples.

Other horizontal Blast Cleaning Machine models and versions are available, tailored to customer's needs.

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