

Wheelabrator HB 12/20 Hook Spinner Shotblaster



Stock No	SF1096
Manufacturer	Wheelabrator
Model	HB 12/20
Year of Manufacture	2018
Serial	604071
Condition	Seen working by RSW, Excellent Condition, Current Model
Work Envelope (WxDxH mm)	Ø1200mm x 2000mm Tall (800kg max)
Work Handling Method	Manual with Hoists
Other Info	8 Blades / Turbines
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	4000 x 6000 x 5550

Description

This Wheelabrator HB 12/20 is a universal airless shot blasting system in fantastic condition with minimal wear. Featuring a Y-shaped overhead rail system for continuous operation, you can load the next batch while another is being processed. Featuring 3 blast turbines each with speed frequency inverter control for precision performance.

Complete with dust extraction, hoist, media recovery, compressor and a full set of manuals/instructions.

The Wheelabrator HB 12/20 hook spinner is a triple 11.0kW direct drive turbine airless blast machine with Y track loading and in-built dust control with cyclone and media grading facility.

Ready For Installation with A D Machine Tool Maintenance

Having been **professionally decommissioned** by our partners [A D Machine Tool Maintenance](#), this machine has since been transported our warehouse for the convenience of the sale. Therefore offering the opportunity to **view at our warehouse**.

As the engineers who know how the machine is set up, benefit from the expertise at A D Machine Tool Maintenance to also **reinstall & commission** this fantastic opportunity now.

General Description

The Wheelabrator overhead rail shot blast machine from the HB range are equipped with a Y-shaped overhead rail system, two carrying hooks and two integrated loading and unloading stations

The workpieces are alternatively either directly attached to the carrying hooks in the loading or unloading stations or attached with auxiliary frames to the carrying hooks and manually pushed by the operator as far as the blast cabinet. The carrying hooks are moved into the blast chamber automatically.

The door to the blast chamber is closed manually or automatically depending on the machine equipment. The blasting process can subsequently be started. The blasting process runs automatically according to the preselected blasting program. An indicator lamp visually indicates when the blasting process has come to an end.

The door to the blast chamber then opens manually or automatically, depending on how the machine is equipped. The carrying hook is, in turn, discharged automatically from the blast chamber. The operator takes over the carrying hook with the blasted workpieces, pushes it to one of the loading or unloading stations and removes the workpieces. The empty carrying hook can be reloaded and a new blasting process can begin.

Wheelabrator Group overhead rail shot blast machines are optionally equipped with electric chain hoists; these can be used to move the carrying hooks in the area of the loading and unloading stations to the optimal loading height for the operator in each case.

Operational Specification

Parts to be blasted are loaded on to a Christmas tree fixture or directly onto either of the suspension hooks and pushed into the chamber. The hook is then rotated at a constant 14rpm whilst being impinged by the media thrown from the 1500 to 3200 rpm blast wheels giving a 360 degree pattern of coverage and for a duration determined by the process timers. The returning media is elevated and air washed to separate the spent media and light dust then sieved to remove any debris whilst the 12m³/Hr dust extractor pulls the airborne dust from the chamber through a primary cyclone again allowing the grading and separation of spent media from the system.

The Y track loading extension allows the second fixture to be loaded whilst the first is being processed permitting an

almost continuous level of production to be achieved.

- Safety features - Safety devices lock the door during processing for operator safety
- Approximate overall dimensions - 4000mm x 6000mm x 5550mm
- Turbine drive power - 11kW per drive (frequency controlled speed)
- Recommended abrasive - Type S230

Air Shoc Cartridge Filter Unit

- Model - Type A40/6-T2-VO-A-SF
- Cartridge Filters - 6
- Filter area - 13m²
- Output volume - 3780m³/Hr (2225 CFM)
- Drive - 5.5kW
- Secondary filter of 6 filter cartridges
- Area - 3.0m²

Hoist Mechanism

- OEM - STAHL
- Type ST 1005-8/2 2/1

Air Compressor No. 1

- OEM - Hydrovane
- Model - V05ACER07 - 4035D400
- Power - 5,5kW
- Maximum pressure - 8 bar
- RPM - 1465 Rev/Min

Air Compressor No. 2

- OEM - Gardner Denver Compressor
- Model - L07-7.5A
- Power - 7,5kW
- Maximum pressure - 7,5 bar
- Capacity - 1.3m³/min
- RPM - 300 Rev/Min

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.

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Machine Datasheet



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