Straaltechniek 1600mm Heavy Duty Turntable Shot Blast



Stock No	SF1116
Manufacturer	Straaltechniek
Model	DA-1600
Work Envelope (WxDxH mm)	1600mm x 600mm high
Work Handling Method	Manual
Other Info	1600mm diameter table
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	5500kg
External Dimensions (WxDxH mm)	2810 x 2850 x 3300

Description

Straaltechniek DA1600 Rotary Table Blasting Machine

Rotary table shot blast machines from Straaltechniek offer total flexibility in your shot blast operations. Whether you are cleaning welded structures and fabrications, cleaning and deflashing castings, or shot peening dynamically stressed components, the Rotary table shot blast machine, can help reduce the production time required.

The twin wheel placement allows for multiple impacts on the part, not just one. This ensures that any part whether short, tall, wide, or narrow is effectively blasted and minimises re-positioning. Straaltechniek GN Wheel® are a patented, high-efficiency blast wheel designed as a retrofit or new installation for shot blasting and shot peening systems. The

blades features a specialized blade design paired with a patented blade holder (BE2012/0244) that cuts stress loads down by up to 10x that of competitor systems.

Access to the perforated 1600mm blast table is made through two 'clam' style doors and are fully interlocked. This design makes the full area of the table accessible, either by overhead crane or fork truck. Also located within the blast chamber are special highly wear-resistant austenitic manganese steel plates with high abrasion resistance are used together with durable rubber at predetermined locations on the inside of the blasting cabinet. The manganese steel sheets are placed in places where there may be a direct impact of particles with a high ricochet effect. This coating ensures that the particles that hit the cabin do not damage the cabin and thus contribute to a long service life of the machine.

The abrasive media is reused several times in the machine using the media recovery system that consists of an elevator, a blasting media cleaner and a storage silo. The abrasive is returned to the jet wheel turbines via valves and hoses.

There is also a cartridge type, reverse pulse dust extraction system located adjacent to the machine for dust control within the chamber

Typical applications

- Rust and heat scale removal
- Paint stripping
- Surface texturing
- Preparation for painting, bonding and plating
- Corrosion removal
- Deburring, deflashing
- Cleaning
- Cosmetic finishing

Features and benefits

- GN Wheel® blast wheels for high performance & reduced maintenance
- Table diameter: 1600mm
- Maximum workpiece height: 600mm
- Blast wheel diameter: 330mm
- Blast wheel motor: 7.5 kW
- Blast chamber features a fully welded construction of highly wear resistant steel
- Automatic abrasive reclaim system with airwash abrasive separator for effective utilization of blast media
- 1/4” thick rubber liners throughout the balance of the cabinet interior
- Manganese steel liner on the side wall opposite the wheel, covering the door and cabinet hinge area
- Catch hopper below the perimeter of the door to catch loose abrasive
- 20mm thick manganese plate for work table
- Sweeps are mounted under the table to direct media into the reclaim chute
- Table rotation is five (5) RPM, driven by a direct connected gearmotor
- Gravity reclaim to the belt and bucket elevator
- Panel equipped with push buttons and pilot lights, an emergency stop button and a mainline disconnect (pre-wired and mounted to machine)
- Service and support by Straaltechniek

- Primary power requirements : 20kW / 460 volts, 50 hertz, 3 phase
- Totally self contained, includes 3000 m3/h dust collector, separator, cartridge filtration system
- No special foundations required, no extra ducting needed
- Clam shell door design allows easy loading with truck or crane
- Full safety interlocks
- Automatic in operation

Basic specifications

- Number of wheels 2
- Maximum abrasive flow 638 lbs/min
- Abrasive charge 2000 lbs
- Maximum load weight 1000 kgs
- Shipping weight 5500kg

Dust Extractor

- 930 x 1700 x 3320
- 4 x Pleated Cartridge Filters
- 4kW Fan Motor

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