

BLASTER

**ULTRA COMPACT SELF-CONTAINED
SHOT BLAST PLANT**

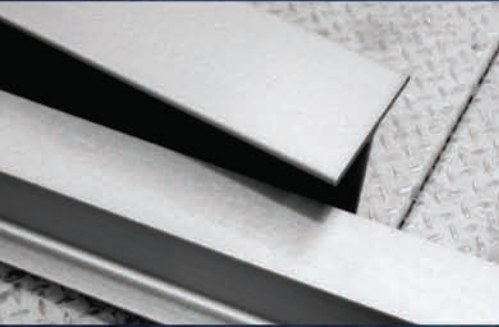
for structural steel profiles | OSB-20/40

Built exclusively for Ocean Machinery by Agtos

A CLEAN PATH TO PROFITABILITY...

OCEAN DOES IT AGAIN!

- Ultra Compact
- Very Affordable
- Lowest Cost of Operation



SOLID PERFORMER

Ocean and its manufacturing partner Agtos, have produced a completely unique shot blast machine. For most fabricators, the traditional shot blaster has been way too large and too expensive to even consider, but our new ultra-compact, fully integrated, exceptionally efficient shot blast machine will fit your space and budget requirements.

The entire Ocean Blaster, including dust extraction unit, requires only 13ft x 23ft of floor space and only 14ft of headroom (4m x 7m x 4m), making it ideal for even the smallest fabricating shops. Despite its compact size the Blaster will handle all profiles up to 40" tall and 20" wide (1m x 500mm).

The exceptionally efficient turbine design allows fabricators to clean steel with the lowest power consumption, reducing costs even further. And pre-blasting steel reduces grinding and cleaning, reduces rework, and creates a clean work environment improving morale and safety.



■ TURBINE WHEEL



■ SEALED INLET

SIMPLE TO OPERATE AND MAINTAIN

The entire machine has been designed for ease of use. From its simple operating procedures, to the simplicity of changing filters and components, working and maintaining the Ocean Blaster could not be easier.

Just switch on the roller conveyor and a PLC takes over the entire process, monitors the material transfer speed, automatically starts the abrasive recycling system, and starts the blast wheels sequentially one at a time as the profile arrives inside the blast chamber. When the leading edge of the profile leaves the blast area, the blow-off motor starts automatically and removes residual shot from all surfaces. As the trailing end of the profile leaves the chamber, the whole system shuts down in sequence, thus eliminating wasted power, saving you money

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INDUSTRY LEADING DESIGN FEATURES

The new Ocean Blaster is an exceptionally well thought out design:

- The Blaster will handle a wide variety of shapes and sizes up to 40 inches (1m), and can produce surface conditions up to White Metal Blasting SSPC SP5 (NACE 1) specification.
- The machine is completely integrated and only requires infeed and outfeed conveyors.
- Ocean includes full installation and training with the purchase.
- The blast cabinet is made of manganese steel for long life and is further reinforced with replaceable manganese liner plates. This well sealed chamber stops rust and dust particles from entering the shop
- The heavy duty, variable speed chain driven internal roller conveyor is easily connected to extension input and output conveyors. Transfer speed is easily adjusted to achieve the desired surface finish.
- The conveyor speed monitor automatically controls the starting and stopping of the shot blast action.
- Four highly efficient direct drive Agtos High Performance Turbine wheels achieve the highest surface finish quality while requiring less power, further reducing cleaning costs.
- The complete abrasive recycling system comprises collection hopper, screw conveyors, two bucket elevators, air separator, drop-out box, maintenance platform, and four high performance turbines with abrasive flow-control units.
- The high velocity abrasive blow-off unit at the cabinet exit keeps the shot in the system and out of your shop.
- Within the abrasive recycling system, a large, highly efficient air wash separator prolongs shot life and a drop-out box removes coarse particles to avoid destruction of filter elements.
- All inspection ports are easy to access and a maintenance platform is standard
- The simple maintenance requirements, the reduced abrasive consumption and reduced energy consumption all add up to a significant reduction in operating costs.
- An integrated air filter unit with long-life conical elements effectively removes dust from the system, and returns clean air to the shop. These long lasting filters are simple and easy to maintain.
- A central electrical cabinet provides complete control of the unit with ammeter display for control of turbines, working and blasting hour counters, lighted control switches, speed controller, master switch and emergency stop switch.



■ WIND SEPERATOR



■ AIR FILTER UNIT



■ SIMPLE MODULAR GASKET



■ CONTROL CABINET

Superb Warranty & Tech Support

- The Ocean Blaster components are heavy duty and high quality, designed for rugged usage with minimum maintenance. Safety and efficiency are the hallmarks of this equipment.
- The machine is entirely constructed according to the highly demanding CE standard specification.
- Ocean's installation technician will be on site to work with you during installation and start up of the Blaster. He will assure your operator and maintenance people are trained on the proper use and care.
- The Blaster is covered by a one-year warranty against defects in non-wear parts and workmanship.

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SPECIFICATIONS



GENERAL DATA

Maximum Profile Height	40" (1000mm)
Maximum Profile Width	20" (500mm)
Minimum Work Piece Height	0.5" (10mm)
Minimum Work Piece Length	80" (2000mm)
Maximum Weight of Work Piece	500 lbs/ft (750kg/m)
Number of Wheels	4
Diameter	15" (380mm) at 50Hz 13" (330mm) at 60Hz
Number of Blades	6
Blade Width	2.16" (55mm)
Turbine Drive	10hp (7.5kW)
Abrasive Flow Per Turbine	300 lbs/min (135kg/min)
Abrasive Throwing Speed	approx. 290 ft/sec (88m/sec)

In line with OCEAN'S and AGTOS' policy of ongoing product improvement, we reserve the right to modify features and specifications at any time.



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