

150 DRUMS PER HOUR SHOT BLASTING MACHINE



This Challenger Drumtech six wheel Airless Shot Blast Machine is fully automatic and will process 150 open or closed top drums per hour dependent on the surface finish required.

The machine does not use compressed air in the blasting process with the shot being recirculated via a feed screw from the base of the machine and a bucket elevator raises the product via an abrasive separator to the distribution hopper above the shot cabinet.

The shot is fed by six rotating manganese steel throwing wheel units, which are patterned to cover the surface of the drum and which is rotating in the fully enclosed cabinet. The cabinet shell is lined with 8 mm thick manganese steel plate which, being a work hardening material, provides the best possible and economical wear protection.

The pneumatic doors at either side of the machine only open when the blasting is complete to allow drums to enter and exit the machine automatically. An automatic, sequenced, dry dust extractor is included to provide suitable extraction for this machine.

The controls are fully interlocked for safety, the starting operation is fully sequenced and ammeters are provided on the panel to monitor shot delivery to each wheel.

Technical Information

Production rate	150 drums per hour
Dimensions	6 m (l) x 2 m (w) x 6.6 m (h)
Electrical supply	400/3/50 VAC
Environmental protection	IP55
Power requirement	100 kW
Compressed air	700 LPM at 7 Bar