

### **RXS 400 ROTARY INDEXING SPINDLE BLAST SYSTEM**

All-around surface treatment capability in an exceptionally compact package

- Blast cabinet footprint of 900mm x 900mm saves in lean work cell layouts
- Two spindles on 180-degree rotary indexer allow unload/load during the blast cycle
- Spindle rotation and traversing motion of multiple blast nozzles programmable for high efficiency. Process routines for many parts stored in PLC
- Sleek, dependable touch-screen panel simplifies operation and enhances control functions
- Hinged doors seal the blast chamber for quiet, dustless operation.



#### **Lean, flexible design cuts automated blasting operations down to size!**

Robustly built on welded lifting channels, you easily move the RXS-400 where it is needed.

Fixtures change quickly with our universal spindle mounts, and blast guns are simple to reposition on our multi-adjustable brackets.

Programmable logic control enables use of the latest in electronic sensor technology. By automating, monitoring and providing feedback on system functions, advanced controls reduce demands on the user and ensure a consistent process with highly repeatable results.

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Guyson International has introduced a new addition to its range of automated rotary blast finishing systems, a compact Model RXS 400 Rotary Indexing Spindle blast machine designed specifically for the work-cell manufacturing environment. This innovative Guyson RXS-400 cabinet has been developed to perform a variety of applications, including shot peening, blast cleaning, deburring, cosmetic finishing and technical surface preparation, such as prior to PVD/CVD coating.

Occupying less than one square metre of floor space, the blast cabinet is only 900 mm wide and 900mm deep, small enough to fit into the most compact manufacturing cell, yet capable of precise and repeatable impact treatment in single piece work flow manufacturing operations.

The RXS 400 operates with two sealed and abrasion protected ball bearing spindles that index in and out of the blast chamber by means of a rotary actuator. Thus allowing maximum efficiency of operation, with one component being loaded during the blast cycle of the other piece. Interchangeable component-holding fixtures can be quickly secured on each spindle allowing product changes to be made speedily and easily. A large side door with a viewing window offers full access to the process chamber for inspection, adjustment and maintenance.

The fixtured component rotates at a controlled, adjustable speed and is exposed to blast media from multiple nozzles that are pre-positioned at the correct angles and distances for overall or selective coverage of the target surfaces. Hinged pneumatically actuated entry and exit doors at the front load station seal the cabinet during the blast cycle.

Blasting is achieved rapidly and thoroughly by an array of blast guns that are rigidly held in fixed position on multi-adjustable brackets. In other cases, nozzle motion is required for efficient processing. As a manufacturer Guyson offers several options, including oscillation of the blast guns at adjustable stroke and speed, programmable linear traversing of the nozzles that is synchronized with spindle rotation, as well as nozzle manipulators capable of motion in multiple axes.

The RXS-400 is provided with a touch-screen interface that simplifies operation of the automated blasting, streamlines access to control functions, and enables password-protected direct entry of dimensional data or processing parameters into the system's programmable logic controller (PLC). The panel can also display control settings, production data and system feedback such as sensor and fault indications or maintenance prompts.

A complete installation includes a cyclone media reclaimator to separate contaminants and fines from the recirculated media and an efficient cartridge type dust collector that filters exhaust air to prevent discharge of particles into the work environment. Guyson offer numerous media delivery and reclaim system enhancements to meet special separation and dust control requirements.

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