

Multiblast® RXS200

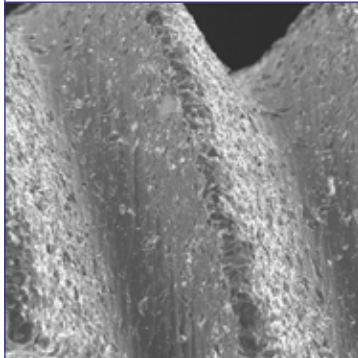
micro component blaster

Controlled automated blasting for small components



Automated blasting brings quality improvements

Small footprint coupled with industrial quality



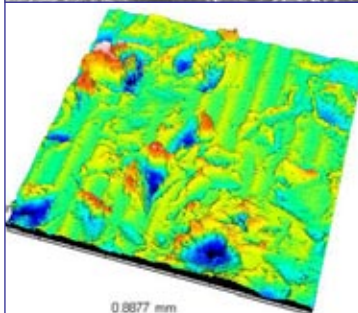
To the left is a scanning electron microscope (SEM) picture showing typical errors with manual blasting techniques. The left side of screw thread is under blasted and results in poor bone growth and bonding, right flank of screw thread correctly treated. Low volume manufacturers generally prepare the surface of precision small components, such as dental implants, trauma screws and bone plates using just such manual blast technology.

To bring quality and process improvements to this market Guyson have developed an automated blast system specifically for the precision micro component market:

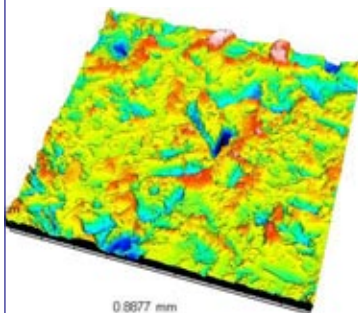
The Guyson Multiblast® RXS200

Guyson offers the Multiblast® RXS200 as a first step on the automation ladder. Rotating components in front of fixed or moving blast guns and nozzles produces a quality of surface finish coupled with high productivity, which cannot be achieved in manual blast systems. Designed and engineered from the outset to ensure a high level of process and machine control, the RXS200 ensures an accurate, consistent and uniform finish to every component. Whilst component quality, cost control and productivity can be dramatically increased by eliminating the variations inherent in hand processing.

The Guyson RXS200 delivers consistent, cost effective finishing results adding quality assured value to your components.



0.8877 mm
Surface finish profile with clear areas with no impact craters which would be detrimental for surface etch applications prior to coating



0.8877 mm
100% coverage with a Guyson automated blast system

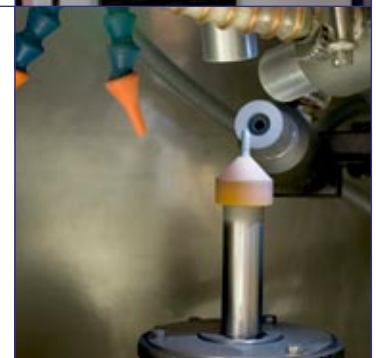


Automated blasting brings process efficiency

Eliminates the variations inherent in hand processing

The **Guyson Multiblast® RXS200** comes in several permutations, allowing for varied production scenarios. The machine can be used as a one-time-use media system, throwing the used media away once used. It is also available with several options of media sieve to maintain a highly consistent media profile - ensuring critical surface texture is maintained.

- Two spindles, one in load position and one in blast position.
- Two blast nozzles arranged to co-blast the rotating dental screw thread
- Media delivery system to suit customer applications (Suction/ Pressure feed)
- Suitable for manual loading volumes 200 to 500 per day - cycle time typically 10 seconds
- Accurate enough for robot loading and capable of 2000 pieces per day
- Fully medical specification compliant - fully 316L stainless steel
- HMI / PLC controls
- Data recording capability
- Media classification options to give a statistical capable surface texture ($Cpk > 1.33$)



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FM 38758

ISO 9001:2008

Guyson International



Guyson International Limited is the largest independent manufacturer of blast finishing, spray washing and ultrasonic cleaning equipment in Europe and supplies a worldwide customer base. Guyson offer automated handling solutions, where suitable, including both robot load & unload and also pick & place options.

Comprehensive ranges of automatic and manual blast cabinet systems are available to suit all production situations. Specialist applications include surface treatment of medical implants, shot peening of turbine blades and surface preparation of components such as cutting tools, to improve coating adhesion, prior to PVD coating.

Ultrasonic equipment includes bench top baths for laboratory, medical and light industrial use and ultrasonic cleaning tanks for industrial use. Microsolve systems for precision cleaning in wide range of sectors including electronics, optics, aerospace and defence, as well as multi-stage aqueous ultrasonic systems for specialised cleaning of components such as medical implants, hard disk drives, diamonds, optics etc.

Also available are a range of aqueous spray wash equipment including conveyerised tunnel washers, rotary basket washers, rotary drum washer for small parts, a PCB stencil cleaner and a compact high impact hot aqueous spray washer designed for the workshop. Full product and application information for all equipment is available on the Guyson website.

