GUYSON

Automated Blast Products

guyson.co.uk

Introduction

Guyson International Limited is a privately owned family company with a world-wide reputation for excellence in the design and manufacture of robot, automated and manual blast finishing, shot peening, spray wash and ultrasonic cleaning systems.

Founded over 80 years ago (Est May 20th 1938) Guyson Industrial Equipment Limited began as a distributor of garage equipment as well as manufacturing small sand blast cabinets. In 1972 the company was re-named 'Guyson International Limited' to better reflect the company's export success and increasing overseas interests. Through acquisition - Marr Engineering (1996) and Kerry Ultrasonics (2004) - Guyson has enhanced our product offering incorporating spray wash, ultrasonic and solvent cleaning systems to a comprehensive range of blast systems.

Guyson continues to innovate and invest offering unrivalled support for our existing and new customers across the globe. With headquarters in Skipton North Yorkshire, the Guyson Blast & Wash group consists of: Guyson Corporation, Saratoga Springs USA; Guyson SA, Chambly, France; Guyson Sdn Bhd, Penang, Malaysia; and Guyson CN, Wuxi, China. With a growing network of distributors and re-sellers Guyson provides class leading cleaning and surface finishing solutions across any market sector, anywhere in the world.

The Guyson Range

Over the last 80 plus years we have honed our knowledge and experience of a huge variety of applications for our products, and along with our customers we are still finding innovative and ingenious ways to create the perfect finish. We work across a vast range of industries at all levels from hobbyists and sole-traders to some of the world's largest companies, we like to think we have the right Guyson Solution whatever the process or application.

With such a wide range it is important that we make the right choice. That's why our free sample evaluation service, open to anyone, has always been a cornerstone of our business. We work hard to make sure you get the best solution, from initial sample evaluation, witness tests and factory acceptance tests all the way through to installation, maintenance and operator training.

Manual Blast

Formula - Entry level blast cabinets

Euroblast - Industrial blast cabinets

Tumbleblast - Batch load rotary basket systems

Euroblast SBP - Seated blast cabinet

Mediblast - Stainless steel blast cabinet

Euroblast GL - Flat glass blast cabinet

Euroblast - Extra large blast cabinets

Ultrasonic & Wash

Kerry - Ultrasonic baths

UCR - Ultrasonic wash & rinse baths

CRD 450 - Wash, rinse & dry

Microsolve - Solvent cleaning systems

Microclean - Multi-stage ultrasonic

Orbit - Spray wash

Automated Blast

RB - Robotic blast systems

Multiblast RXS900 - Rotary indexing blast system

Multiblast RSB - Rotary spindle blast system

RB - Robotic Blast

Guyson's RB range of fully automated blast systems represents the pinnacle of process automation. Accurate, repeatable and adaptable and using the best in robotic automation, Guyson RB systems work tirelessly to process components to the highest standard.

Depending on the configuration, typical RB systems consist of a six axis robot with optional 7th axis turntable for maximum flexibility. The robot manipulates blast guns to process individual or multiple components but can also manipulate more complex components relative to a fixed blasting set up. Either way the flexibility of the Guyson RB systems have proven to offer class leading automation and flexibility in almost any scenario.

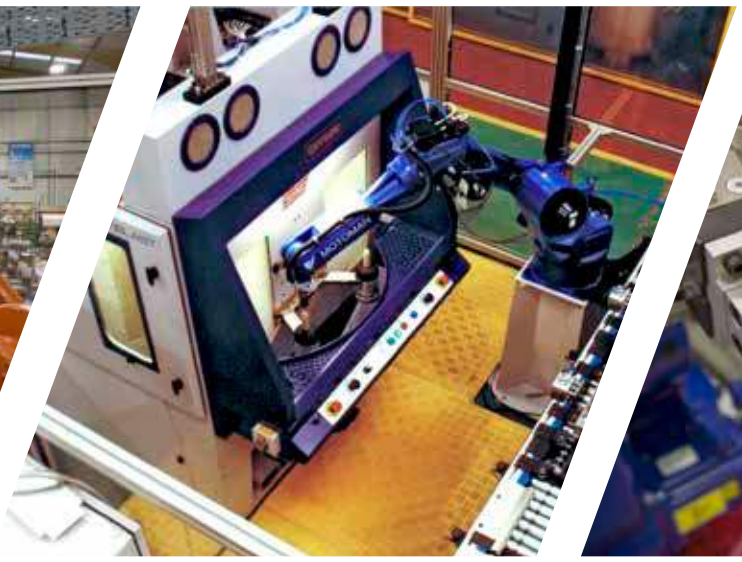
RB	
Maximum Component Weight	250 kg
Maximum Component Height	900 mm
Maximum Component Diameter	10000 mm
Minimum Cycle Time (Seconds)	Over 60

Robotic Automation

For more than 80 years Guyson has provided flexible, innovative and high quality blasting solutions across all market sectors. As manufacturing moves to greater levels of automation, control and integration Guyson's range of automated blast systems are designed to fully integrate with your production systems and provide the most appropriate level of automation.

From the entry level semi-automatic RSB blasting system through to the fully automatic RB range, Guyson supports increasing production volumes, improved efficiency and quality, freeing up operators or reducing overhead costs. Whatever your driver for automation, at Guyson we can deliver the right system.

All of our automated blast systems are designed with integration in mind. Whether you need a turnkey solution or integration into an existing cell, we will work with you to create the solution that's right for you.



RXS – Rotary Indexing Spindle

The Guyson RXS400 has two indexing blast stations enabling simultaneous loading and processing. With flexible options for fixed or vertically traversing blast guns and an adaptable spindle design it can be configured to suit your process requirements.

Higher volumes, increased productivity and a drive to safe automated systems demands rapid, repeatable and reliable equipment. Guyson's RXS range of automated blast systems have been developed over decades to provide maximum flexibility, quality, reliability and peace of mind

RXS400	
Maximum Component Weight	10 kg
Maximum Component Height	400 mm
Maximum Component Diameter	200 mm
Minimum Cycle Time (Seconds)	15-20

The RXS900 builds on the foundation of the RXS400 with the increased capacity afforded by multiple spindle options. With 6 or 12 spindle versions available, the RXS900 can process multiple parts simultaneously, coupled with separate unloading and off-loading stations the system can support cycle times of less than 10 seconds per part.

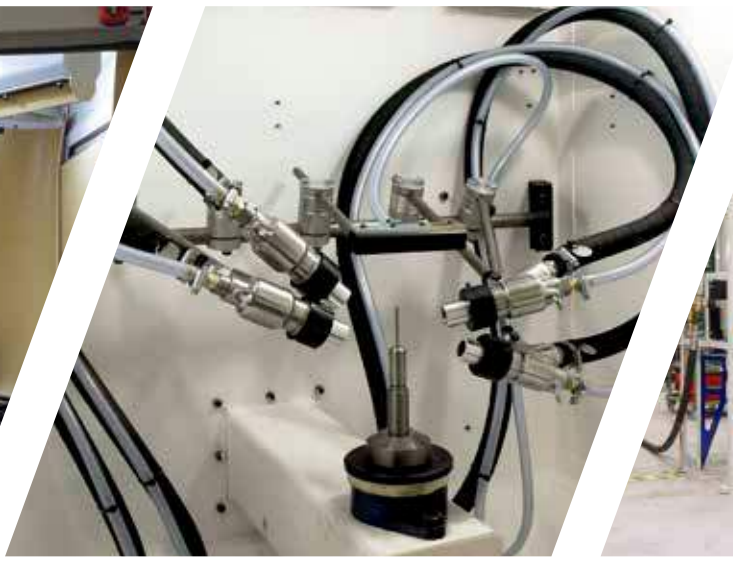
The RXS900 dual blast station design can allow for fixed and traversing guns to provide optimum blast coverage or reduced TAKT times. A separate, dedicated air wash station ensure parts are clean and ready for the next stage of production.

RXS900	
Maximum Component Weight	10 kg
Maximum Component Height	400 mm
Maximum Component Diameter	250 mm
Minimum Cycle Time (Seconds)	6-10

RSB – Rotary Spindle Blast

The RSB system provides automated blasting typically when cycle time is less of a concern or multiple components can be processed at the same time. The RSB offers the same levels of consistency and quality as our RXS machines in a capable and cost effective single piece flow package.

With turntable or spindle mounting, vertical or horizontal traverse options and a wide range of media recovery systems available, the RSB can be configured to suit almost any shot blasting or peening process, minimising manual intervention and providing repeatable and consistent results.



RSB	Spindle	Table
Maximum Component Weight	25 kg	200 kg
Maximum Component Height	500 mm	500 mm
Maximum Component Diameter	400 mm	1000 mm
Minimum Cycle Time (Seconds)	Over 60	Over 300

Media Reclamation

Guyson systems operate in almost every market sector so whether you are etching prior to coating, cosmetically finishing or shot peening your parts, we have the experience to deliver the right solution. We know that one of the biggest drivers for quality is the selection, application and management of the blast media.

From media delivery to recovery and classification for re-use, taking care of your blast media can help you reduce ongoing costs, reduce downtime, improve quality and reduce waste.

Our recovery systems are tailored to suit the job at hand. With a range of cyclone separators, sieves, classifiers and dust collectors to choose from we can help ensure you perfect results again and again

Test & Demonstration

Here at Guyson we understand that choosing the right equipment for the job is a process critical decision which is why we insist on comprehensive sample evaluation prior to recommending any of our systems. We have always offered a free sample evaluation service and ensure we can provide the best possible advice and recommendations on media type, equipment selection and process considerations.

With more than 80 years of experience and one of Europe's largest test and evaluation facilities, Guyson provides unrivalled level of process qualification, recommendation and operator training.

Contact us today to get your components evaluated, book a demonstration or just simply take a tour.

Spares, Media & Services

Products

Established in 1938, Guyson International Limited is a privately owned family company with a world-wide reputation for excellence in the design and manufacture of robot, automated and manual blast finishing, spray wash and ultrasonic cleaning equipment. All of our products are manufactured and assembled in the UK to the latest ISO 9001:2015 quality and OHSAS 18001 health and safety standards.

Customer Service

Guyson don't just manufacture and supply products, our dedicated customer service team are available to provide our customers with the best possible aftersales care. From advice and guidance on equipment selection and operation to the identification of spares or blast media our customer service team have over 80 years of experience to ensure your Guyson equipment is operating at its optimum level.

Spares

We hold extensive stocks of consumables and wear parts in support of all our equipment. Based at our Skipton head office our dedicated aftersales team are perfectly placed alongside our design, service, test and manufacturing teams to advise and help identify spares for machines dating back for 30+ years. With collection or next day delivery available, Guyson is best placed to provide peace of mind ensuring your Guyson equipment continues to run efficiently.

Blast Media

Guyson are experts in the selection and supply of all types of blast media. From our test and demonstration facility we provide a free sample evaluation service and can advise you on the best possible media for your application. With over 60 types and sizes of blast media in stock and a wide range of specialist options available to order Guyson is your first choice for quality and service.

Service

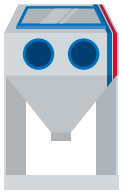
All Guyson equipment comes with 12 months comprehensive warranty as standard. With operator and maintenance training available when your machine is delivered, customer service support over the phone and a team of Specialist Field Service Engineers to install and commission your equipment, Guyson delivers peace of mind.

To ensure your Guyson equipment continues to run smoothly our dedicated service team can offer a comprehensive range of service packages. From preventative maintenance and service agreements to breakdown, repair and refurbishment, Guyson strive to ensure your investment stays as productive as possible for as long as possible.

For more information on sample evaluation, training, media, spares and our range of services packages visit our website or contact your nearest Guyson location, details on the back of this brochure.

GUYSON

Designed & Manufactured in the UK since 1938



Products

Manufacturers of Blast Finishing, Peening, Ultrasonic & Spray Wash Systems

Customer Service

After Sales, Spares and Blast Media, Sample Evaluation, Training & Demonstration

Service

On Site Installation, Commissioning, Preventative Maintenance, Service and Repair

Industries

Guyson covers all market sectors and specialise in:

Automotive

Aerospace

Medical

Distributed by:

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