



GUYSON



Guyson Orbit - Rotary Basket Washers

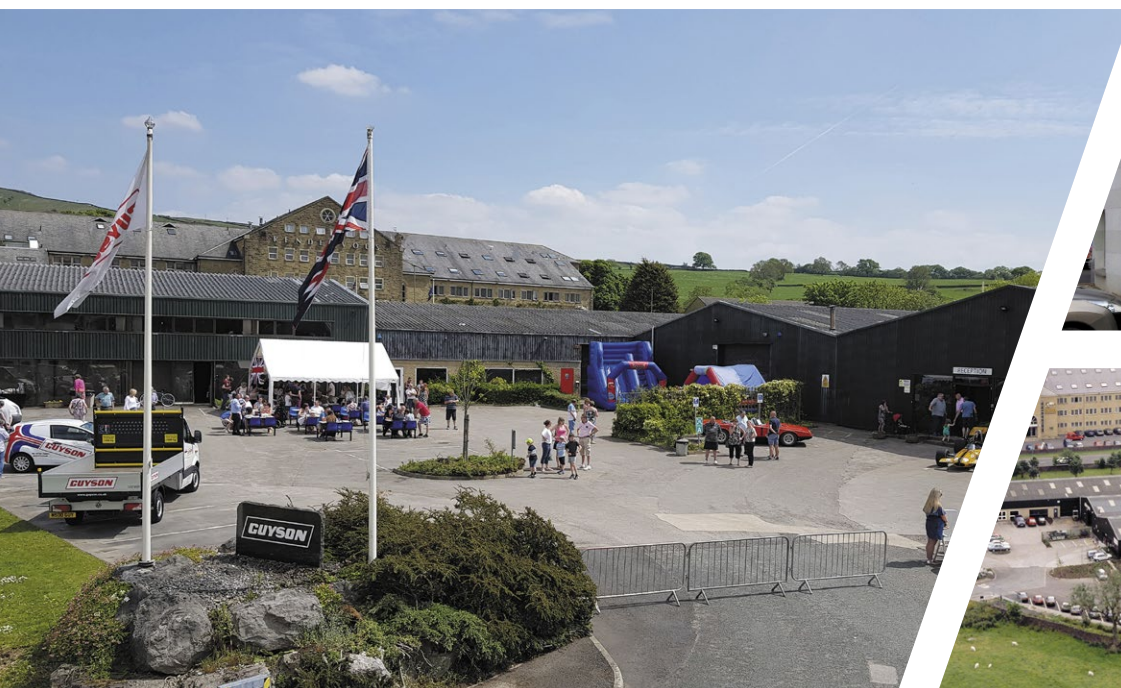
guyson.co.uk

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 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



Guyson - Benchtop 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 systems

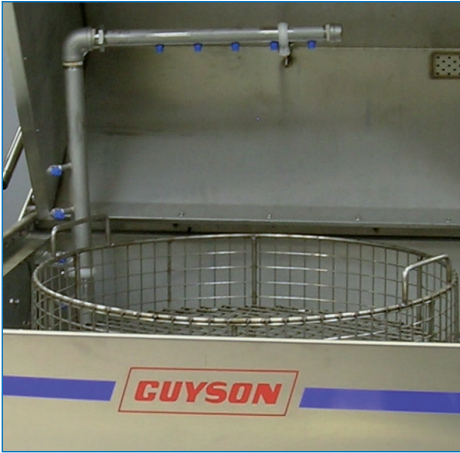


Multiblast RSB - Rotary spindle blast systems

Orbit 600 & 800 - Compact cellular washing

Rotary Basket Washers - Fast and Effective Cleaning and Degreasing

The Orbit washer is an industrial quality, water based cleaning machine built for tough cleaning needs. Efficiency and long life are guaranteed from the heavy gauge 304 stainless steel construction with 25 mm thick energy efficient thermal cladding around the tank and a double skinned lid providing high quality insulation and lower energy costs.



Spray Bars Top, Side and Bottom

Rapid cleaning of all component surfaces with safe detergents is assured by rotating components in the motor driven basket in front of V-pattern spray jets, orientated from three sides towards the components. The hot wash solution is driven by a high pressure stainless steel 4bar pump through stainless steel pipework.

A constant basket rotation of 5 revolutions per minute and the use of all the available spray pressure for cleaning and not diverting part of it into rotating the basket enables high wash solution flow rates to impact on the components and deliver superior cleaning.

The compact machine footprint and ease of operation for high quality cleaning provides a winning combination and makes the Guyson Orbit a very familiar

sight around many European blue chip company manufacturing sites.



Special ATEX Rated Orbit Washer

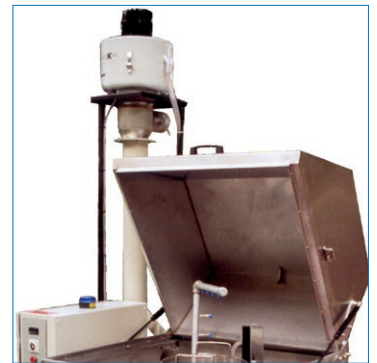
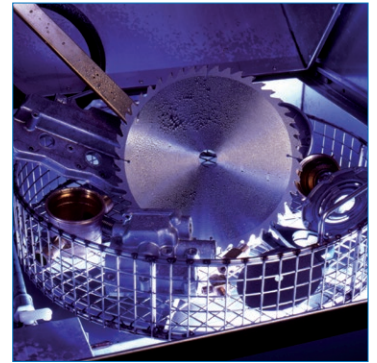


Aqueous cleaning and degreasing

Orbit rotary basket washers are well equipped as standard but also available are a number of optional extras that bring additional productivity, handling and cleaning quality benefits to customers who have very specific requirements above and beyond the industrial standard specification.

Optional Extras

- Disc skimmer to remove oil from the solution surface which increases solution life and improves cleaning
- Extraction fan to prevent steam and vapour escaping
- 7 day timer - allows pre-heating of the machine before the workday begins
- Digital tank temperature control
- Low level water sensor
- Fine filtration between pump and spray bars
- Air knife to remove excess fluid
- Hand spray lance for quick manual cleaning
- Coalescing oil separator
- Other special features to suit individual customer applications on request



Optional - Filtermist Extraction Fan



Optional - Disc Skimmer



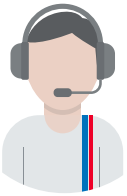
Optional - Air Knife

ORBIT TECHNICAL DATA		
	600	800
Basket Diameter (mm)	620	820
Max Load Height (mm)	400	400
Max Load Weight (kg) Concentric loading	50	50
Width (mm)	1195	1325
Depth (mm)	1090	1255
Depth (with lid open)	1200	1400
Machine Height (to top of lid) (mm)	1190	1235
Loading Height (mm)	775	775
Basket Drive (kW)	0.125	0.125
Basket Speed (r.p.m.)	5	5
Pump flow rate (ltr/min)	100 @ 60 psi / 4.2 bar	100 @ 60 psi / 4.2 bar
Spray Pressure (bar)	4.2	4.2
Tank Capacity (litres)	100	125
Heater Capacity (kW)	6	6
Typical Temp.°C	40-65	40-65
Automatic water fill	Standard	Standard
Services		
Electricity:	400v 3Phase +Neutral + Earth 50Hz	
Mains water:	½ inch BSP	
Drainage:	1 inch BSP	

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. Guyson International manufacture, assemble and test in the UK to the latest ISO 9001:2015 quality and ISO 45001:2018 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

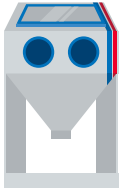
All Guyson equipment comes with 12 months comprehensive warranty as standard. With operator and maintenance training available when your machine is delivered, customer service support over the phone and a team of Specialist Field Service Engineers to install and commission your equipment, Guyson delivers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



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

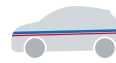


Service

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

Industries

Guyson covers all market sectors and specialise in:



Automotive

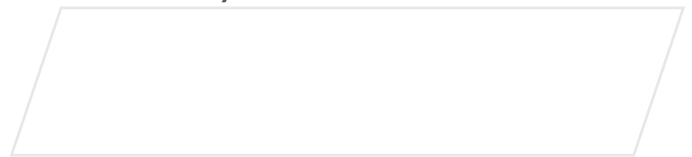


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