



GUYSON



Standard Blast Products

guyson.co.uk

Introduction



Guyson International Limited is a privately owned family company with a worldwide 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



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



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

Euroblast Range - Industrial

There are two types of Guyson Euroblast system, the suction or venturi fed (SF) system is generally selected for light to medium production requirements. The more powerful, pressure fed version provides faster cleaning times (up to four times faster than venturi systems) to meet higher production requirements and more challenging surface finishes.

Cleverly designed using decades of experience, our Euroblast systems features a comprehensive range of handling, wear protection, and media recovery options to suit every application.



Euroblast 4
Smallest standard cabinet



Euroblast 7



Euroblast 10
Largest standard cabinet



Euroblast 6 - Doors fully open

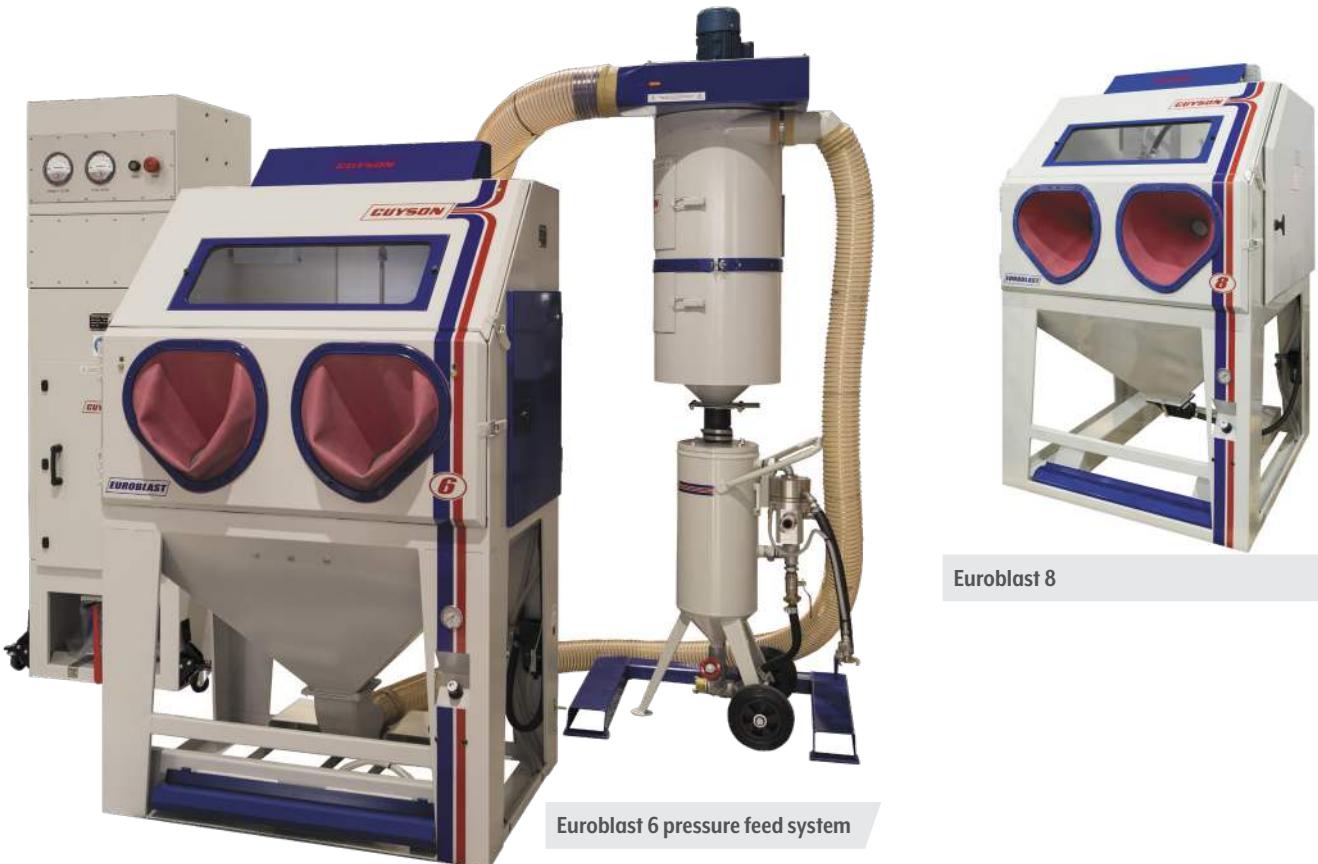


Gun bracket and optional pistol grip



Model 900 blast gun

900 Gun Body - Aluminium			
Compressed Air - Jet Size (mm)	3.2	4	4.8
Compressed Air Consumption (cfm)	21	33	45



Euroblast 8

Euroblast 6 pressure feed system



Turntable and rubber lining options



Side loading turntable option



Euroblast Plus basket option

Model	Internal Blast Chamber Size (mm)			Overall (mm)
	Height	Width	Depth	
Euroblast 4	715	800	540	1655
Euroblast 6	880	1050	740	1825
Euroblast 7	880	1480	900	1825
Euroblast 8	880	1050	1050	1825
Euroblast 10	1145	1480	1480	2125

Euroblast Ex – Atex

Guyson International have worked in partnership with a European Nominated Body on their ATEX certification scheme to develop a new range of fully Atex Certified blast systems which incorporate a Manual Blast Cabinet, Cyclone Separator and Dust Collector

The Euroblast Ex Range of Atex Blast Systems have been certified for use in potentially explosive atmospheres, (such as those found in post processing of additive manufactured components), and found to comply with the requirements of Directive 2014/34/EU-Annex VIII (26th Feb 2014)

The Euroblast Ex Range of Atex Blast Systems are suction fed (SF), machines, and are available in the following range of sizes:

- * **Euroblast 4 SF Ex**
- Euroblast 6 SF Ex**
- Euroblast 6 SF Ex Plus** (tumble basket option)
- Euroblast 8 SF Ex**
- Euroblast 8 SF Ex Plus** (tumble basket option)
- * **Euroblast 10 SF Ex**

*All except the Euroblast 4 & 10 have flush mounted rotary tables.



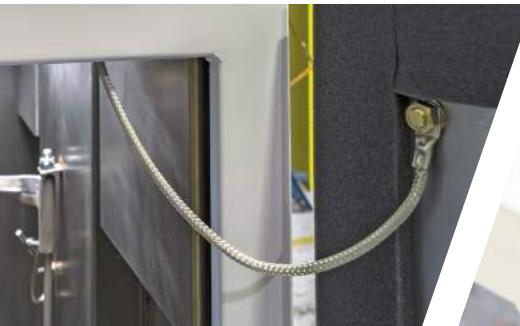
Euroblast 4SF Ex



Euroblast 6SF Ex



Euroblast 10SF Ex



Earth bonding



Timed door interlocks



ATEX lighting



Euroblast 8SF Ex

Developed to form part of the complete Euroblast Ex Range of Atex Blast Systems the C600 Ex Dust Collector is used for filtering out and collecting dust laden air from the blast cabinet and doing so whilst minimising risk during operation in potentially explosive environments, it includes the following safety features:

- ATEX rated fan motor
- Full earth bonding, both internally and externally
- ATEX rated electrical equipment and controls
- ATEX rated pneumatic equipment including an auto pulse valve for filter clearing

- Secondary HEPA 14 filtration to minimise escape of dust to the open atmosphere
- Conductive internal surfaces

The C600 Ex Dust Collector has attained the following ATEX coding and dependant on the users' needs the product can be supplied compliant to either zone 21 internally & zone 22 externally, or zone 20 internally and zone 22 externally.

ATEX Coding's of this product:

Ex II 2/3 D Ex 60079-46 IIIC T135°C Db/Dc

Ex II 1/3 D Ex 60079-46 IIIC T135°C Db/Dc

The CY 75/16 Ex Cyclone has attained the following ATEX coding, and is compliant to zone 21 internally & zone 22 externally.

ATEX Coding of this product:

Ex II 2/3 D Ex h IIIC T135°C Db/Dc

Specifically designed for applications that demand ATEX compliance these cabinets include the following safety features:

- Timed electrical door interlocks, (ATEX rated)
- Full Earth bonding, both internally & externally
- ATEX rated electrical equipment and electrical control enclosure
- ATEX rated pneumatic equipment for blast and air wash controls
- Triple sealed bearings (for rotary tumble basket option)
- ATEX rated motor gearbox, (for rotary tumble basket option)
- Conductive internal surfaces

With these safety features the Euroblast Ex Range of Atex Blast cabinets have attained the following **ATEX coding**:

Ex II 2/3 D Ex 60079-46 IIIC T135°C Db/Dc Tamb -15°C to +40°C

Model	Internal Blast Chamber Size (mm)			Overall (mm)
	Height	Width	Depth	
Euroblast 4 Ex	715	800	540	1655
Euroblast 6 Ex	880	1050	740	1825
Euroblast 8 Ex	880	1050	1050	1825
Euroblast 10 Ex	1145	1480	1480	2125

Formula Range - Light Industrial



The Guyson Formula range is our entry level blast product, offering a simple yet effective solution for light to medium applications. Ideal for small workshops, laboratories, garages, DIY and educational establishments; where space, services and/or usage are limited.

Each of the three cabinet sizes feature our efficient Model 400 SF blast gun and a F41 Dust Collector. With a range of air control jets from 8 to 16 CFM (when blasting at 80 PSI), the system can be matched to even a basic air compressor. Featuring LED lighting with switch, safety interlocked door, sealed gauntlets, adjustable pressure regulation, and even a separate compressed air blow off, the Guyson Formula range is the easy way to get blasting.



Bench mounted Formula I200

Formula 1400

Formula 1600



Pencil blaster option



Interior



Model 400 blast gun

400 Gun Body - Aluminium			
Compressed Air - Jet Size (mm)	2	2.4	2.8
Compressed Air Consumption (cfm)	8	12	16

Model	Internal Blast Chamber Size (mm)			Overall Height
	Height	Width	Depth	Height (mm)
FI200	495	600	460	785
FI400	591	815	561	1527
FI600	770	1070	760	1694

Dust Collectors & Cyclones

Guyson manufactures a comprehensive range of Dust Collectors and Cyclone Separators to complement our blast cabinet ranges.

Dust Collectors

The range of dust collectors have been designed and developed to match the operational and environmental requirements of each Guyson blast system.



Model 41 Dust Collector



C600 Dust Collector



C800 Dust Collector

C400 Dust Collector



Pressure Pots

For more demanding applications a pressure pot can be added to a system.



G27 Pressure Pot



G55 Pressure Pot &
CY600/I2 Cyclone

Cyclone Separator

Increase Productivity and System Performance with a Cyclone Separator:



75/16 Cyclone (left)
High efficiency cyclone (right)

Test & Demonstration

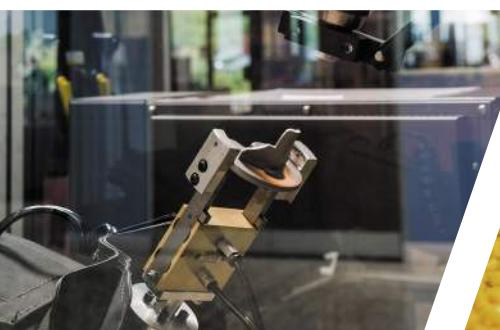


Here at Guyson we understand that choosing the right equipment for the job is a process critical decision which is why we insist on comprehensive sample evaluation prior to recommending any of our systems. We have always offered a free sample evaluation service and ensure we can provide the best possible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

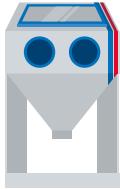
All Guyson equipment comes with 12 months comprehensive warranty as standard. With operator and maintenance training available when your machine is delivered, customer service support over the phone and a team of Specialist Field Service Engineers to install and commission your equipment, Guyson delivers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

CUYSON

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:



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Aerospace



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