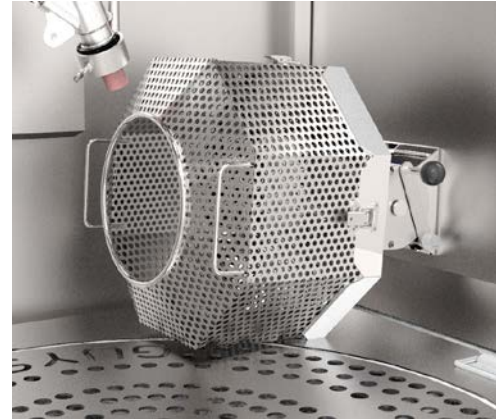


Guyson AM Solutions

Euroblast Ex ATEX Certified Blast Cabinets



Specifically devised for the Additive Manufacturing (AM) market Guyson offers variations of the Guyson Euroblast® 4SF, 6SF, 8SF and 10SF (Suction Fed) blast cabinets. These Ex blast systems have been designed specifically for processing Stainless, Aluminium, Titanium or Inconel components commonly used in the aerospace, automotive and medical AM sectors. In certain conditions these materials have the potential to create explosive dust when blasted, so special provision has been made with these Guyson blast systems to mitigate those risks.

Applications

- Finishing of AM components
- Loose powder removal (option dependent)
- Loose powder reclaim (option dependent)

Benefits

- Safe environment with protection for ESD & explosive dust
- Low maintenance, easy to operate
- Clean & safe

Features

- High clarity LED lighting
- Large viewing window
- 4 cabinet sizes available
- Sealed gloves
- Fully earth bonded system
- Antistatic hoses
- Powerful 900 or 400 model blast guns
- High efficiency, cartridge filter dust collector
- Base fork channels, can also be used with pallet truck (6 Ex, 8 Ex and 10 EX only)
- Full length foot pedal
- Can run with a variety of media
- Manual blasting or automatic basket blasting options available
- HEPA 14 filtration as standard

Option
Euro 4SF Ex
Euro 6SF Ex
Euro 8SF Ex
Euro 10SF Ex

Option	
Euro 4SF Ex Plus	Not an Option
Euro 6SF Ex Plus	
Euro 8SF Ex Plus	
Euro 10SF Ex Plus	Not an Option

Safety Feature	Function
Full Earth bonding	Creates a continuous electrical path to a suitable earth.
ATEX rated electrical equipment	ATEX certified - reduces explosive risks as part of the overall system protective measures.
ATEX rated pneumatic equipment for blast and air wash	ATEX certified - reduces explosive risks as part of the overall system protective measures.
ATEX rated motor and gearbox (basket only)	ATEX certified - reduces explosive risks as part of the overall system protective measures.
Conductive internal surfaces	Ensures electrical continuity as part of the static electricity reduction measures
Control enclosure	Electrical controls are built into an ATEX certified control box.
Timed electrical door interlocks	Interlocks stop doors from being opened during blasting and for a set time after blast has stopped. This allows extraction to clear residual dust.
Safety cover (basket only)	Prevents arms being inserted into the cabinet during automatic blasting. Safety cover is "seen" by magnetic non-contact switches. Rotary basket can only turn when cover is in place.
Gland cable & gland nut	ATEX certified - reduces explosive risks as part of the system.
Triple sealed bearings (basket only)	Seals prevent media ingress which could produce heat by friction leading to combustion.
Solenoids	Control of pressurised air ensures blasting can only be performed if certain safety conditions are met.

	4	6	8	10
Overall dimensions				
Height (mm)	1655	1825	1825	2125
Width (mm)	815	1070	1070	1500
Depth (mm)	560	760	1070	1500
Blast chamber dimensions				
Height (mm)	715	880	880	1145
Width (mm)	800	1050	1050	1480
Depth (mm)	540	740	1050	1480
Turntable diameter (mm)	400	600	750	900
Evenly distributed maximum load (kg)				
Floor	400	350	500	750
Turntable	N/A	450	500	500
Basket	N/A	5	5	N/A
Average noise levels at 1 Metre with dust collector and cyclone {dB(A)}				
				<80
Floor height (mm)	810	845	845	845
Armhole height (mm)	1040	1075	1075	1075
Maximum air pressure				90 psi or 6 bar
Maximum air supply				77.4 m ³ /hr or 42 CFM
Operator protection required				Hand and lower arm by gloves or gauntlets (supplied)