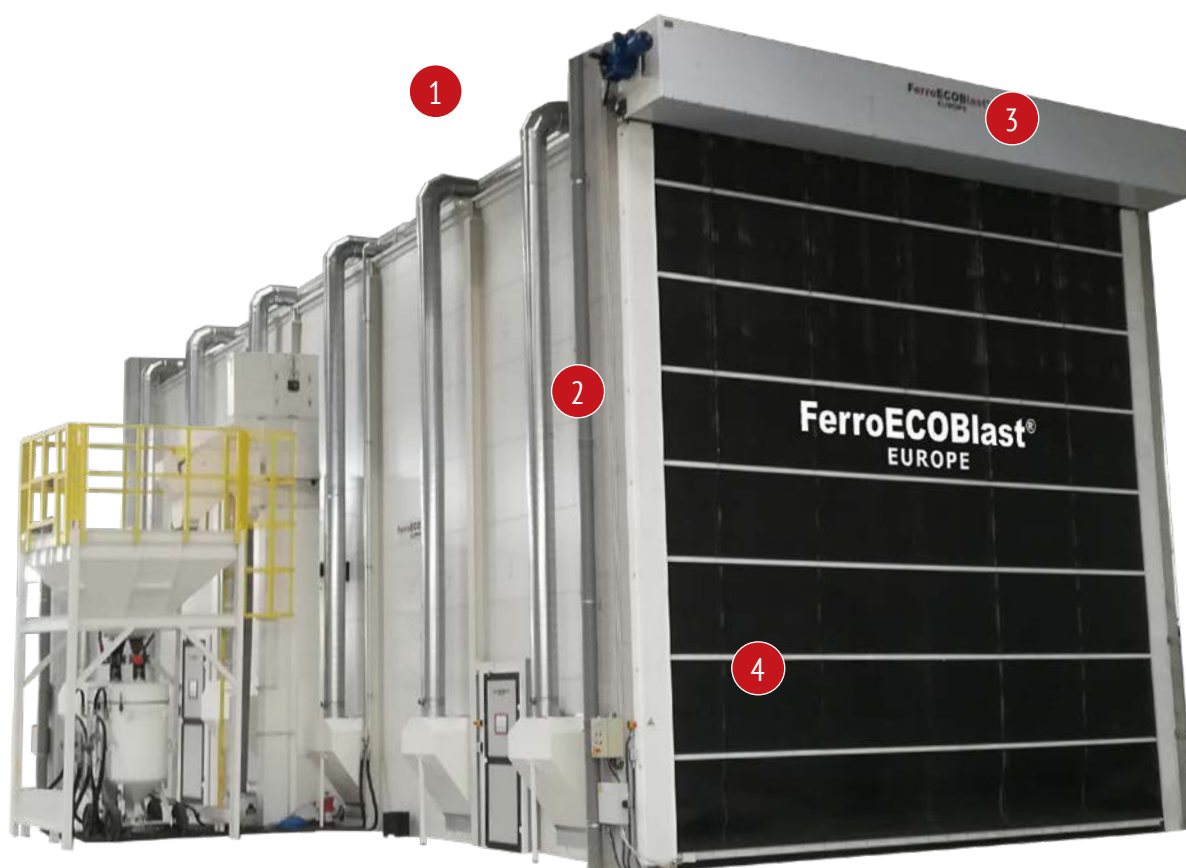


ABRASIVE BLAST ROOMS

Surface preparation for large-scale workpieces

FerroECOBlast abrasive blast rooms are designed with modular flexibility, these systems are adaptable for manual, semi-automatic, or fully robotic configurations. Whether used in aerospace, shipbuilding, metalworking, or restoration, our blast rooms deliver energy-efficient operation, maximum operator safety, and robust abrasive recycling systems.

Each solution can be tailored to your space and production volume. From basic hopper-style recovery to advanced robotic automation and full-floor scraper systems, we ensure superior blasting performance with every application.



1

Custom-Tailored Construction

Modular steel or concrete rooms with abrasion protection.



2

Efficient Media Recovery

Hopper or scraper systems suited to abrasive type and usage.



3

Certified Operator Safety

Compliant with EU/OSHA, includes protective and air systems.



4

Flexible Automation Levels

From semi-automatic to fully automated units with PLC control and touch interface.

Operation & Blasting

FerroECOBlast Blast Rooms offer scalable solutions for high-volume surface treatment of large and complex components. Designed for heavy-duty industrial use, each system supports efficient abrasive recovery, controlled blasting environments, and safe operator conditions. From simple setups to fully integrated robotic cells, we ensure precise results and long-term reliability.



Precision Blasting
Automated/manual blast nozzles for precise and consistent surface preparation.



Lighting System
Uniform illumination across the blast room for maximum operator precision and safety.



Soundproof Wall Panels
Acoustic insulation built into the walls reduces noise levels significantly



Overhead Hoist
For safe and efficient manipulation of large or heavy parts reducing manual strain.

Specification **BLAST ROOMS**

* **Please note:** This is a sample specification. Each machine is **custom-made**, so the data may vary based on specific requirements and purposes.

	MANUAL	SEMI-AUTOMATIC	FULLY AUTOMATIC
Room Type	Prefab/Concrete	Prefab/Concrete	Modular or Concrete Cell
Automation Level	Manual	Manual + Assist	PLC-Controlled / Robotic
Blasting System	Pressure Pot	Pressure Pot/Multiple Guns	Multi-Nozzle / Robotic Arm
Recovery System	Hopper or Partial Scraper	Scraper System	Full Floor Scraper (Auto)
Dust Collection	Cartridge Filter	Wet/Dry Filter	ATEX Multi-Stage Filter Unit
LED Lighting	Standard LED	Flush-Mount LED Panels	High-Output LED
Soundproof Walls	Standard Panels	Acoustic Panels	Heavy-Duty Isolation
Operator Safety	Helmet, Gloves, Suit	Air Monitor + CO2 Alarm	Full Air System + Interlocks
Floor Load Capacity (kg/m²)	250–1000	Up to 2000	Up to 3000+
Overhead Hoist	o	o	• or Robot Arm
Manual Blast Option	•	o	x
Control Panel	Basic Controls	Touch Interface	Full PLC + HMI Interface
Custom Sizes	Available	Available	Available
Media Compatibility	All Abrasives	All Abrasives	All Abrasives + Shot Peen
Installation	Type Indoor/Outdoor	Indoor or Raised Floor	Custom Turnkey / Pit or Flat

• - standard | o - optional | x - not available