



ABRASIVE-BLASTING CABINS WITH FREE-SPRAY TECHNOLOGY

Specifically designed systems, turnkey provided.

Abrasive blasting chambers with a self-supporting body and modular panels. Automatic collection and recovery of the abrasive material spread across the floor, material that is channeled to the selection and silage group for re-use.



DESIGN AND SUPPLY OF TURNKEY SYSTEMS FOR FREE-SPRAY ABRASIVE BLASTING

This system allows shot-blasting of metal parts with particular shape and large-size under confinement. Minimum buildings are required.

The system is made up of various units that operate following prearranged sequences and carrying out a specific function within the duty cycle.

Main functions carried out:

- Shot-blasting, carried out by an operator with a manual device to protect the abrasive material under confinement
- Automatic collection and transportation of the abrasive material spread across the floor to the selection group.
- Separation and collection of the abrasive material (suitable to be re-used) from slags and powder.
- Silage for prompt re-use
- Filtration of powder sucked inside the cabin in order to enhance visibility during manufacturing.
- Emission in the atmosphere of the filtered air within law directives.

Types of supplies:

- Systems operating with grit
- Systems operating with glass microspheres
- Systems operating with stainless materials
- Chambers for abrasive-blasting
- Recovery and selection of powders

Chambers for abrasive blasting by Camit are designed to ensure quick-mounting. These are built with sound-adsorbing panels and they're equipped with an evenly distributed lighting system from the top-down, by means of special iodide lamps. This ensure the best environmental conditions for the operator, complying with the laws in force.

Excellent illumination from the top-down through special iodide lamps, completely protected from the abrasive environment.

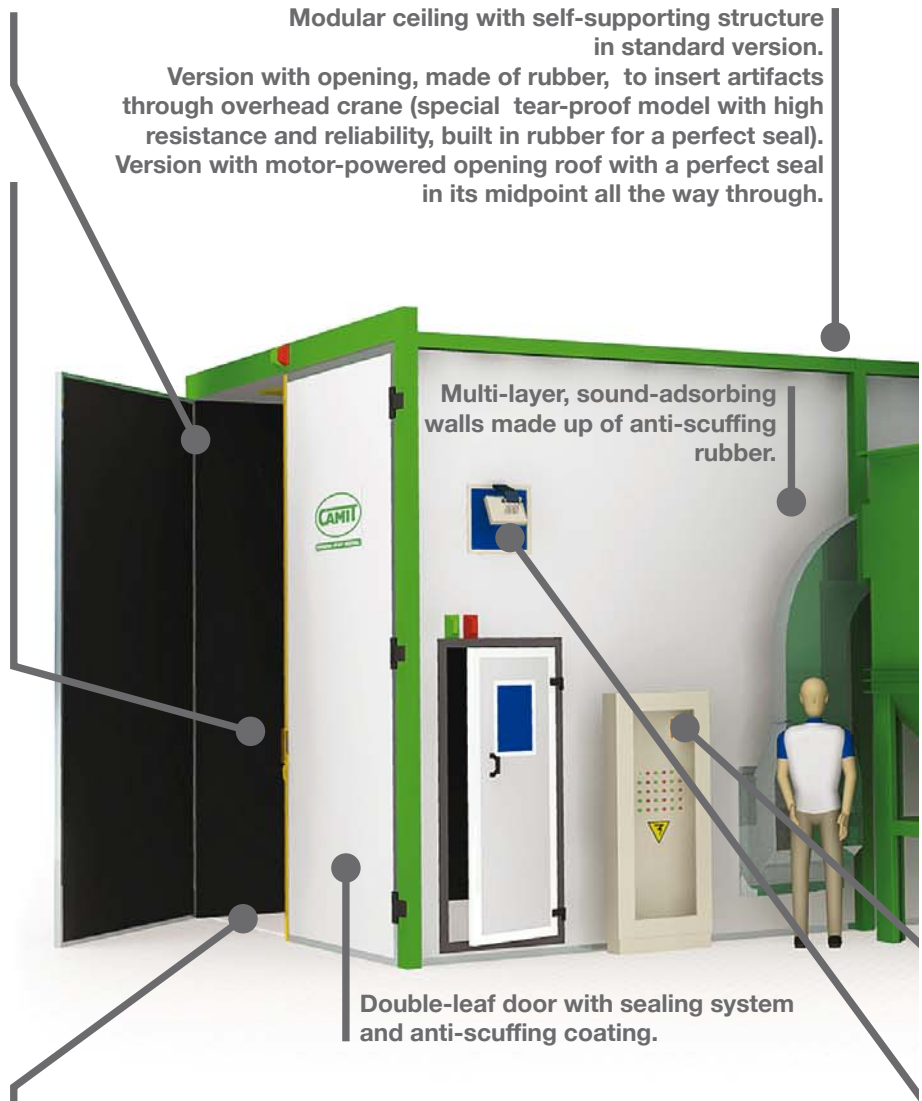


Air extraction equipment with an innovative system that prevents the transport of abrasive material, with direct jet too. Through a sucking air flow at a rate of approximately 3m³/min, fine powders only are sucked aiming to protect the abrasive consumption.



Modular ceiling with self-supporting structure in standard version.

Version with opening, made of rubber, to insert artifacts through overhead crane (special tear-proof model with high resistance and reliability, built in rubber for a perfect seal). Version with motor-powered opening roof with a perfect seal in its midpoint all the way through.



Multi-layer, sound-adsorbing walls made up of anti-scuffing rubber.

Double-leaf door with sealing system and anti-scuffing coating.

Dragging of the abrasive through long-life scrapers (low-consumption) designed to reduce their wear and maintenance. The grid collection system can be built with track and carriage or with two vehicular cement passages.

Discharge chimneys with “spiro” connection solution to avoid internal leakage of water, with bi-conical cap as standard equipment. It is excellent for noise reduction and it’s approved by atmospheric emission control units.



High efficiency filter with pre-chamber slowing flow of dust impact filters



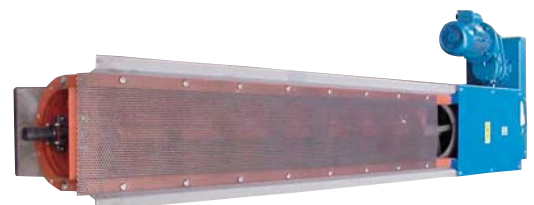
Recovery and loading lifter for abrasive material towards separator/silo. Abrasive material lifting with high-resistance bowls made of polyurethane or iron. This system is dimensioned to face unexpected picks and it is controlled by a specific Proximity sensor to prevent damages to both the system and the motor.



Storage silo with abrasive separator, ready for an uninterrupted re-use and dimensioned according to customers' requirement. Standard version with winnowing machine equipped with anti-wear protection on the slide. Versions with vibrating screen and/or with magnetic separator within conduits.

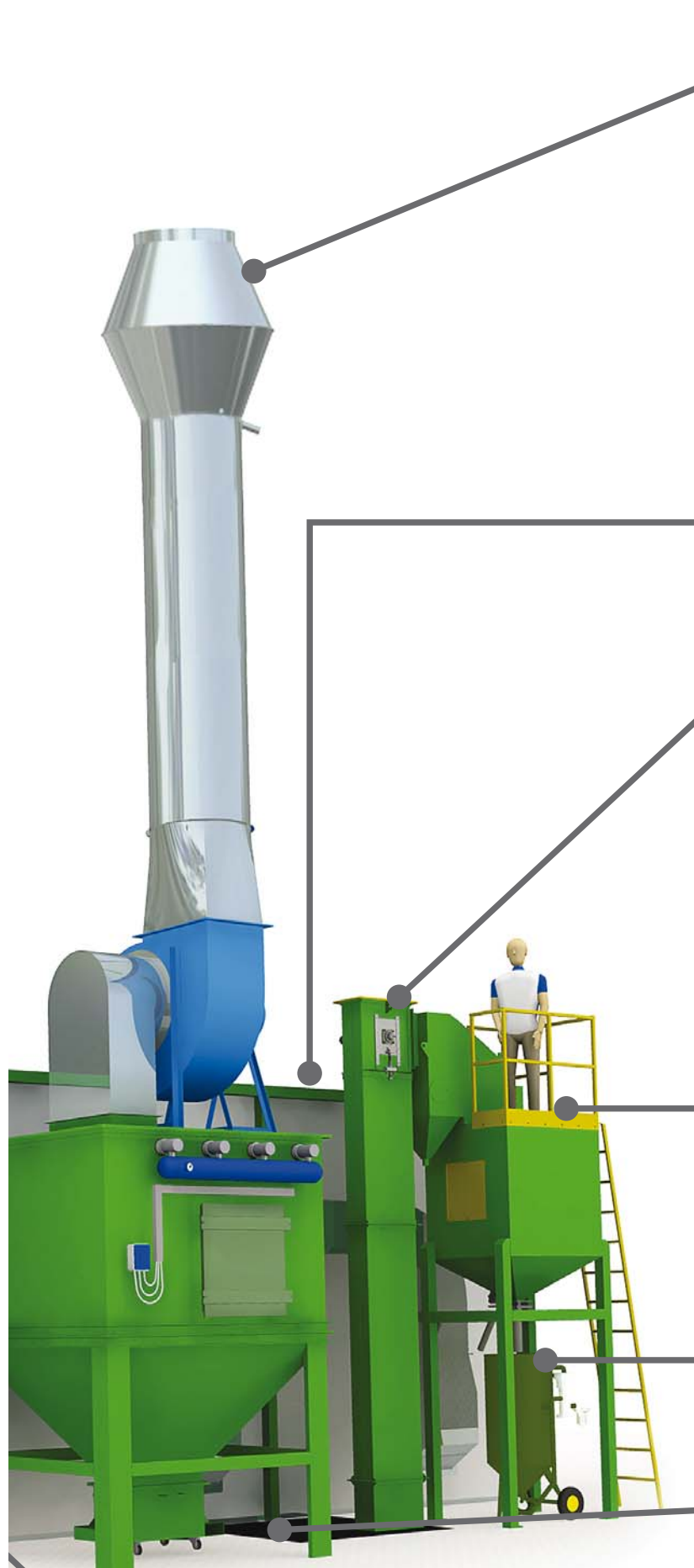
Sand blasting equipment with compressed air and remote activation by an operator from inside the cabin allowing a safe control

High-capacity transportation cochlea with low energy consumption, easy maintenance with dosage through safety net to prevent clogging. Motors are sized to ensure their proper functioning also in case of sudden accumulations of material.



Control board to manage the plant and to control the security over the accesses, feature for preventing clogging due to abrasive material.

On/off indicator of the activity inside the cabin and security shutdown if doors are opened when the cabin is operating.



ABRASIVE-BLASTING CABINS SPECIFICALLY DESIGNED TO SUIT EVERYONE'S NEEDS. INDOOR AND OUTDOOR INSTALLATIONS

The cabin's design results from a detailed inspection to carry out the best logistic and operative solution, complying with safety standards.

The standard chamber is built to be placed outside. At the request, CAMIT carries out outdoor installations equipped with suitable coverings.

Technical features of the CAMIT type chamber.

- Modular metal frame.
- Walls in sandwich-type modular panels completely soundproofed and protected by an anti-scuffing rubber covering
- Entrances through manual two-leaf doors, motorized or pack-away doors.
- Service entrance with emergency door with porthole.
- Lighting-system made up of special iodide lamps, completely protected from the abrasive environment.
- Sequential control of the operational system and luminous signal to inform about the operative and functional state inside the chamber.
- Dust extraction system along the chamber wall. Special extractor fans in sheet zinc with high thickness and a system to prevent the transport of abrasive material. They are connected to the dust collectors group.
- Ventilation: fresh air inlet due to the depression by suction of the dust-collector group through filter cells, placed on the roof of the chamber to optimize the air distribution in the working environment.

INDOOR

Abrasive-blasting plant with total recovery of the abrasive material (with foundations)



Indoor installation with scrapers and cochlea

Abrasive-blasting plant with partial recovery of the abrasive material (without foundations)



Indoor installation with loading hopper out of the floor (shovel type).

Abrasive-blasting plant with total recovery out of the floor (without foundations)



Indoor installation with framework and track

OUTDOOR

Abrasive-blasting plant with partial and total recovery of the abrasive material under roofing.



Outdoor installation with loading hopper out of the floor

Abrasive-blasting plant with fixed and mobile tunnels (for construction sites).



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