



# Sandblasting plants and metal surface treatment



**SANDBLASTING**



**PAINTING**



**METALLISATION**



**WASHING**



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## Camit designs and realises industrial plants for metal surface treatments (preparation, finishing, cleaning)

- Sandblasting plants
- Painting cabins
- Sandblasting and painting mixed plants
- Metallisation plants
- Washing cabins
- Special systems (big dimension manufactures / mixed processes)

CAMIT is specialised in plants supply for metal surface treatment and offers the whole production line (washing, sandblasting, painting, metallisation, drying) and the best piece handling system (with track for sliding trolley, with monorail and overhead crane).



- The plants are available in every dimension, for small and big dimension manufactures that need an operator's manual working and are available with mobile operator platform, fixed or transactional.



- CAMIT supplies a custom project and a technical solution for each customer's needs, identifying the specific requirements and analysing any possible problem, until the plant realisation with turnkey provided. A project feasibility valuation with the best productive solution for the client, with an environmental impact valuation of the future investment.



- CAMIT evaluates the entire project from the building foundations (if necessary for the plant installation), to the plant construction, from the on site delivering to the installation with expert technicians and the final testing of the plant.



- CAMIT operates nationally and internationally, supplying installation, technical assistance and maintenance services.



- The final testing is carried out with special measure instruments of the plant performance (air flow, air velocity, pressure, lux, noise), delivering the report with certificates and training for the operators.



- The company is ISO9001 certified and mainly uses Made in Italy components and certified suppliers. CAMIT has 20 years of experience in sandblasting plant design and supply with hundreds of accomplishments in Italy and abroad.



- The simple modularity of the cabin's elements allows a higher assembly speed and the possibility to make changes in time (transfers and/or extensions).



- Construction reliability, high quality components and attention to details, guarantee a better wear resistance and plant durability in time.



- CAMIT plants are characterised of controlled intake systems that guarantee a great visibility during the sandblasting process and a suitable air speed in the painting cabins, following the environmental emissions and operators' safety regulations.



# SANDBLASTING PLANTS



The plant allows to manually accomplish the blasting on metal details and also on unusual and large size shapes in a controlled environment. The plant realisation is carried out with minimum civil works.

The standard chamber is designed for inside collocations. On demand, CAMIT can provide to outside installation with an appropriate coverage.

The plants are realised in different types to guarantee the best production and environmental conditions to the client. For the operator's safety all the entries have a microswitch system and visual indicators attached to a sequential control of the operative system, controlled by a PLC on the electrical panel.

The plant is composed by many units that, following a programmed sequence, carry out a specific function inside the whole process system:

- **modular cabin** equipped with entries, lighting and securities in compliance with the regulations
- sandblasting with manual system for the abrasive projection in controlled safety
- automatic **recovery system** of the abrasive material scattered on the ground and transport to the selection system for the slags elimination
- **storage silos** for the abrasive material suitable for the reuse
- **aspiration system** of the powders produced during the working process inside the cabin, that guarantees a constant operative visibility and filtrates the air to be released into the environment





CAMIT designs the sandblasting rooms with modular panels, an optimal solution that presents the following advantages:

- *quick assembly;*
- *high noise-related control;*
- *lighting uniformly distributed on top with an average 500 lux;*
- *easy relocation;*
- *dimensions easily exchangeable.*

All the components are specially designed to guarantee a high wear resistance.

Special extraction hoods on the chamber's walls complete with anti-transport system, connected to the dust remover.



# SPECIAL PLANTS **BIG DIMENSION MANUFACTURES / MIXED PROCESSES**

Realisation of outdoor special plants with self-supporting and motorised structure,

plants with fixed or mobile operator walkway, in line combined plants for automatic blasting

modification, top input for overhead crane, etc.





# PAINTING PLANTS

The painting plant with manual spraying is realised with modular structure and roof and walls are reinforced with sandwich panels.

The working area dimension is carefully planned, based on customer's need. If the manufactures handling will require overhead or similar, it's possible to design an **open cabin** with the same filtration and suction systems.

**Suction** with calculated dimensioning for the air flow necessity, realised "on wall" or "on floor" with gratings.

Camit realises painting plants with medium and big dimension structures, equipped with a filtration system capable to offer a continuous painting.

The **filter unit** is composed by pre-filtered and active carbon sections. The intake group

directs the air below the gratings, avoiding the powders raising, and deposits the exceeded residues through a filter series.

Our cabins are designed to allow the painting process through various varnish in a safe way for the operator.



## METALLISATION PLANTS

Metallization is an anti-corrosion process more advanced and expensive. It requests a high level sandblasting (minimum SA2,5/SA3) and a good roughness to the thickness required.

An electric arc with compressed air, sprays on the treated surface some molten metal. Every process involves different types and dimensions of the particulate with variable powders concentration that can be explosive and/or flammable. Fires and explosions can be a potential problem, so a correct ventilation is required.

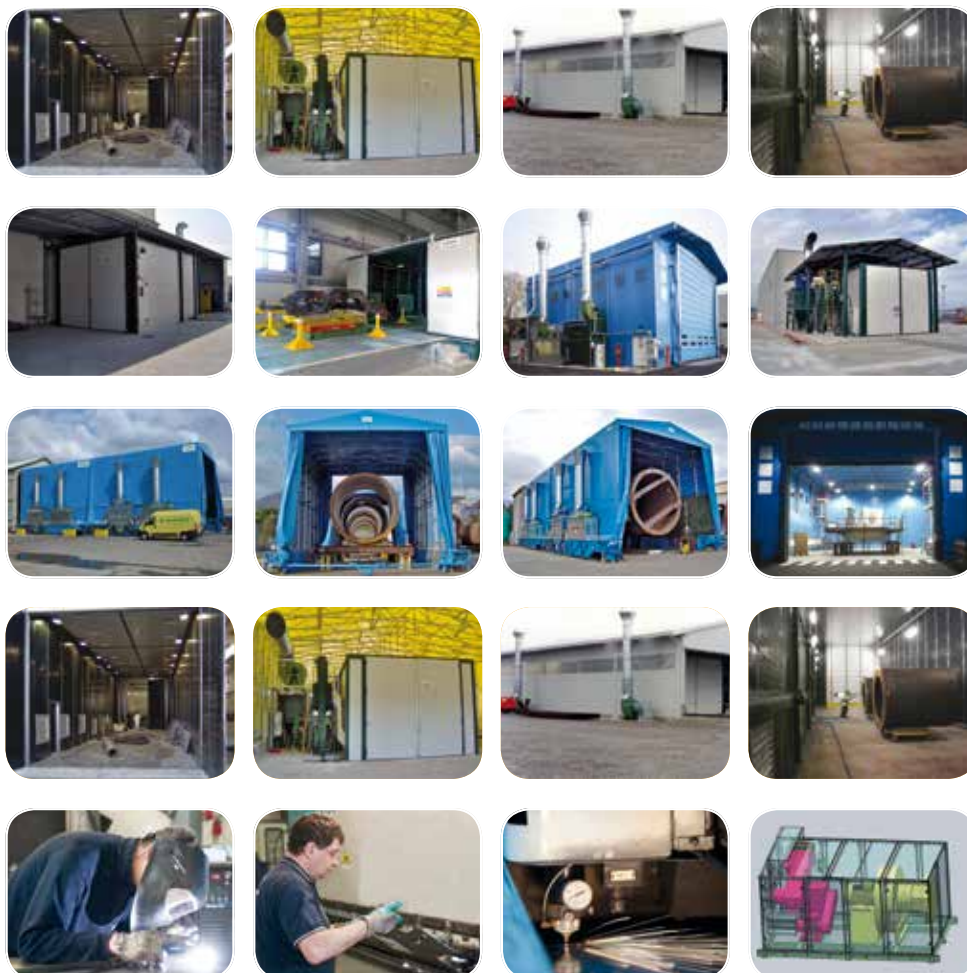


## WASHING CABINS

Manual washing cabin with operator, suitable for big dimension components. Underground or raised grating, tank for waste water collection, intake group with relative filtering system, lighting system.







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