



INDUSTRIAL VACUUM CLEANERS

AiRO
PROFESSIONAL



MADE FROM PROFESSIONALS FOR PROFESSIONALS

Since 1985, **Aertecnica** has outlined its path with innovation and attention to the environment in Italy, introducing the Centralized Vacuum System. Our mission is to guarantee clean air in both living and working environments.

By focusing on dust, bacteria and microorganisms' reduction and on noise cancellation, we work on fundamental aspects for environmental health and people's well-being.

Aertecnica's commitment is constant in research and application of new technologies to address these challenges.

In the year 2000 we launched the **TUBÒ** brand, which initially represented our centralized vacuum system and evolved into our "Integrated vacuum system".

Subsequently, we developed **AIRÒ**, a line of professional products for the industrial sector.

With **AIRÒ PROFESSIONAL**, today we offer an advanced series of industrial vacuum cleaners. Every industry has its own challenges and risks in managing hazardous materials or debris that are difficult to clean.

These vacuum cleaners, characterized by innovation, quality and safety, are designed to eliminate effectively dust, production residues and liquids, responding to the needs of environments demanding special working conditions and keeping them compliant with hygiene and safety standards.



AIRÒ PROFESSIONAL vacuum cleaners offer numerous advantages for professional applications:

POWER

They are very powerful devices, capable of vacuuming a vast range of materials.

CAPACITY

Equipped with large capacity tanks, they can contain significant quantities of debris.

EFFECTIVENESS

Designed to effectively remove dust and residues, it improves the work conditions.

VERSATILITY

Suitable for vacuuming both dry and liquid materials, and utilizable in various industrial contexts.

ACCESSORIES

Accompanied by a wide range of accessories that extend its functionality and efficiency.

CENTRALIZABLE

Can be integrated with centralised systems that collect materials and residues from production processes.

ADDITIVES

Combustible and conductive additive powders the aspiration of this category of materials is the most complex one as it requires ATEX certified vacuum cleaners and a collection system that neutralizes the dust upon contact.

3D PRINTERS

In recent years the use of printers 3D is much more widespread and the offering of 3D printed product is constantly increasing. The 3D print in additive machining process can produce dangerous conductive and highly explosive dust. Given the diversity of materials used in additive manufacturing it is essential to choose an industrial ad hoc vacuum cleaner.



FOOD INDUSTRY

To ensure correct professional cleaning it is essential to minimize the risk of contamination and remove dust directly from the source. The products contamination agents come from the elaboration process of the material during the production cycle.

Maximum filtration

The industrial vacuum cleaner must have high filtration standards with the use of HEPA filters.

Construction

Industrial vacuum cleaners are made this way to be easily cleanable and sanitized, and to be able to reach all surfaces.

ALUMINUM

Some application fields of the Aluminum production processes can be very dangerous, for example when it is found in the form of atomized powder, which makes this material very reactive when it comes into contact with air. The solution to this problem requires the use of specific industrial vacuum cleaners capable to remove efficiently the accumulations that are produced.



PVC

For this type of waste it is necessary to prevent the formation of dangerous flammable mists while maintaining a dust-free environment, using industrial vacuum cleaners for powders capable of eliminating processing waste on machinery and in working environments.



CEMENT FACTORY

The collection of large quantities of material is a fundamental aspect of this sector. In the treatment of cement, both during production and processing, large quantities of fine dust are released which represent a serious threat to the health of workers and the environment in which they are deposited.

PTFE membranes for high filtration cartridges. Cement dust is very toxic due to the presence of micro silicas; to ensure the maximum filtration efficiency, the cartridges are covered with a PTFE membrane which, in addition to significantly reducing the degree of clogging of the filters, facilitates emptying of the dust after cleaning.



CERAMIC

In the ceramic sector there are numerous processing phases that present a risk of inhalation of harmful dust, the main ones are:

- **storage of raw materials**
- **preparation of the mixture**
- **creation of the finished product**

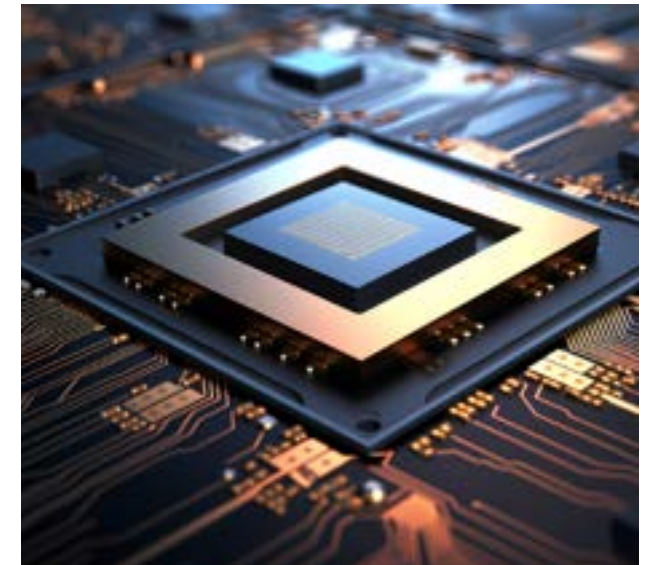
However, all parts of the manufacturing process possess a very high-risk factor due to the dispersion of silica in the air and on surfaces. Even the simple implementation of equipment, such as plaster moulds, may represent a risk factor which can cause serious damage to the operator's health.

To solve this problem our Vacuum cleaners have very high filtration, extremely versatile, they can be used both to clean the production line machinery and for to capture the suspended dust in the air.

ELECTRONICS

Vacuum cleaners for dust collection from the production of printed circuits and microprocessors.

The production process of printed circuits includes operations that can produce dusts that are highly harmful to the body and the processing equipment present in the company. The security of the collection of this type of dust is guaranteed by having a high efficiency filtration machine that collects this type of dust and then seals it directly inside the collection bags. This way the operator will not enter in contact with these residues during processes disposal, ensuring correct cleaning of the working environment.



WOOD

The wood industry has the characteristic of producing a significant volume of scraps. In addition to having a vacuum system for processing waste directly on machinery,

it becomes extremely important to keep the machinery clean at all times to reduce the dispersion of fine dust in the environment.

In this context the atmosphere could be saturated with residues classified as ATEX environments.

Our vacuum cleaners are ideal to solve this problem thanks to their extreme versatility and the very high filtration capacity.



PAINTING

The work environments in which powder coatings take place are subjected to numerous regulations related to safety. This due to possible toxic fumes and factors of risk related to the carried-out activity.

For epoxy powder painting it is necessary to rely on industrial vacuum cleaners with the maximum filtration capacity and the maximum vacuuming efficiency.

In this context the atmosphere is classified as an ATEX environment.

MECHANICS

In this sector it is important to reduce the time spent cleaning and to reduce wastes, this is possible with the immediate vacuuming of the solid material and the oil emulsion.

The simple application of the oil and wood chips separation basket of our vacuum cleaners guarantees adequate cleaning and maintenance.





GLASS

The glass industry requires vacuum cleaners that can be used throughout the production process, including waste from the finished product and cleaning of maintenance machinery.

The high toxicity of the powders used in the chemical composition of glass can originate respiratory diseases or cause irritations.

Our vacuum cleaners minimize the dispersion of dust in the environment thus and maintain correct professional cleaning.

OVENS

Bakeries and laboratories, such as pastry shops, often have residues, also incandescent ones, which can constitute a contaminant agent for following productions.

Cleaning industrial ovens is an activity which must be carried out quickly and without risks. However, it is often the case that an industrial oven cleaning activity can be risky due to the high temperature inside the oven.

Our vacuum cleaners, in addition to being designed to vacuum in high temperatures air, are equipped with accessories designed for the operator's safety.



CAR WASH

Interior cleaning of vehicles is one of the most important services that a car wash can offer to its customers.

As the time available for internal cleaning operations of the vehicle is limited, the aid of a vacuum cleaner with excellent and continuous performance is necessary.

Our vacuum cleaners are made with specific features designed for this sector, guarantee an excellent filtering capacity, constant vacuum power, excellent for continuous service.

Side channel blowers are therefore the obligatory choice for the car wash sector, guaranteeing high performance and durability.



FENICE MODELS

PEGASO MODELS



FENICE 101

- Fine Dust
- Solids



FENICE 121

- Fine Dust
- Solids
- Liquids



PEGASO 301

- Fine Dust
- Solids
- Liquids



PEGASO 321

- Fine Dust
- Solids
- Liquids



ARIETE MODELS



ARIETE 501



Fine Dust



Solids



Liquids



ATEX



ARIETE 521



Fine Dust



Oily Solids



ARIETE 541



Fine Dust



Oily Solids



ATEX



ARIETE 561



Fine Dust



Oily Solids



STANDARD FLEXIBLE
HOSE PRO KIT



ANTISTATIC FOOD SAFE FLEXIBLE
HOSE PRO KIT



CONDUCTIVE ANTISTATIC FOR ATEX FLEXIBLE
HOSE PRO KIT



OVEN FLEXIBLE
HOSE PRO KIT



CHIPS AND OILS FLEXIBLE
HOSE PRO KIT



LIQUIDS FLEXIBLE
HOSE PRO KIT



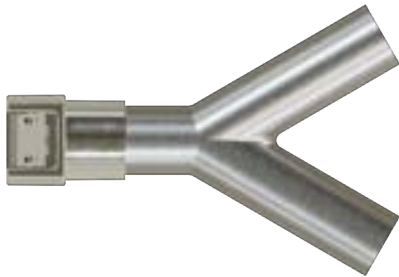
HEPA SECONDARY FILTER



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Y BRANCH UNION



CHIP COLLECTION BASKET AND
LIQUID SEPARATOR



LONGOPAC COLLECTION BARREL
CONTAINER



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