

ANAEROBIA[®]
SURFACE FINISHING

Integral Finishing Solutions



Who we are?

We are a company dedicated to the development of turnkey projects integrating the highest technology in all our products

Thanks to our work team, we offer integral solutions that are able to satisfy the demands of our clients protecting their technical and commercial interests.



What do we do?

We specialize in the design, fabrication, installation and start up of paint finishing systems.

We also integrate a division specialized in fluid handling technology for supply, application and control of different fluid fluids for the industry.

Our after-sales service department supports all the service and spare parts requirements for our clients.

Our distribution center of parts and filters allows us to deliver all kind of components used in our systems. We are able to attend your requests directly or through our distribution network across the country

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Commercial Alliances

EXPERIENCE THAT SUPPORTS US

We have developed commercial alliances at the international level with companies recognized for their capacity and the quality of their products. This allows us to integrate our systems with the best components to deliver the best technical solution in our projects. Our alliances with GLOBAL FINISHING SOLUTIONS, GRACO and FANUC allow us to make available to your equipment components of higher quality, as well as certified specialists, guaranteeing the success of your investment.



GLOBAL FINISHING SOLUTIONS



FANUC





Mission

Develop projects with a high content of engineering and technology for the industry in a global way, integrating a team of dynamic and experienced Collaborators who provide added value to the products and services we offer, contributing to the growth of the company and guaranteeing the satisfaction of our clients.

Vision

“To create and inspire confidence in our sector, being the company recognized for its high capacity of design and execution”

Values

Integrity: We develop our activities by promoting justice, ethics, professionalism and respect.

Teamwork: We base our success on the comradeship and teamwork of all the members of our company. The success of the team is the individual success.

Loyalty: Trust in our people and in our business partners generates a fair business environment.

Mutual Respect: Towards our team, clients, suppliers and everyone involved in the planning, management and execution of our projects.

Growth of Human Talent: The constant learning and the acquisition of knowledge are fundamental for the development of the company.

Family: Like the motor that motivates our lives; Is the reason why we seek to perform our activities in an outstanding way.

The background of the slide is a photograph of an industrial facility. In the upper half, a large white paint booth is visible, with the text "REPAINT BOOTH #3" on its side. To the right, a large, curved, silver-colored duct system is prominent. The lower half of the image shows a polished, reflective floor, likely in a factory or warehouse setting. The entire image is overlaid with a large, stylized geometric graphic consisting of overlapping triangles in shades of green and blue.

PRODUCTS

In ANAEROBIA we offer to our clients systems integration and equipment for painting and coating applications.



Systems for Paint Application

We specialize in the design and installation of integral paint finishing systems, delivering either manual systems or complex automated systems considering diverse technologies, such as spraying, liquid and powder paint, immersion painting, electrostatic application.

Thanks to our technical expertise, we develop solutions always designed on customer's requirements. Our designs are customized to the needs of each client. We can develop batch systems, and continuous production systems:

In ANAEROBIA, we have the capability to supply all equipment for a complete paint finishing system:

- Pre-treatment systems.
- Water drying ovens.
- Blowing areas.
- Cooling tunnels.
- Application booths for liquid and powder paint.
- Electrodeposition systems (E-Coat).
- Paint curing ovens.
- Material handling and conveyors systems.
- Paint application equipment and various fluids.
- Auxiliary equipment.





Pretreatment Systems

Prior to a system for applying liquid or powder coating it is important that the pieces are prepared for the adhesion of the paint or coating. This is achieved through pre-treatment processes in which the part is treated using degreasers, cleaners, rinses, as a result all contaminants are eliminated. In some cases corrosion protectors is required through chemical agents or nanotechnology.

Our equipment guarantees a full integral solution, since we design our equipment based on engineering calculations and process specifications.

Our standard pre-treatment systems have the following characteristics:

- The tunnel is constructed of stainless steel.
- Halls and air seals at the entrance and exit, to control the flow of air and eliminate possible problems of leakage of saturated air in the workplace.
- Double welded holding tanks made of carbon steel or stainless steel.
- Directional nozzles with dial adjustment.
- Tanks with drains and pipes.
- Standard controls with PLC-based control panel.
- Gas train, control thermocouples, thermometers and manometers.





Drying and Curing Ovens

After a pre-treatment system it is necessary to dry the product, this process is performed by our drying ovens.

Also, after the painting process, the pieces must be exposed to adequate temperatures to complete curing of the paint. This process is performed by our curing ovens

We are specialists in supplying industrial ovens for drying parts after pre-treatment or for curing paint in a wide range of temperatures allowing different types of materials to be processed.

Our projects guarantee the optimal operating conditions in all of our equipment, due to every system is designed by specialist in the area.

We supply a wide variety of ovens, in accordance to customer requirements:

- Convection ovens.
- Infrared ovens.
- Catalytic ovens.
- Batch type ovens.
- Elevated or floor ovens.
- Pickling furnace.



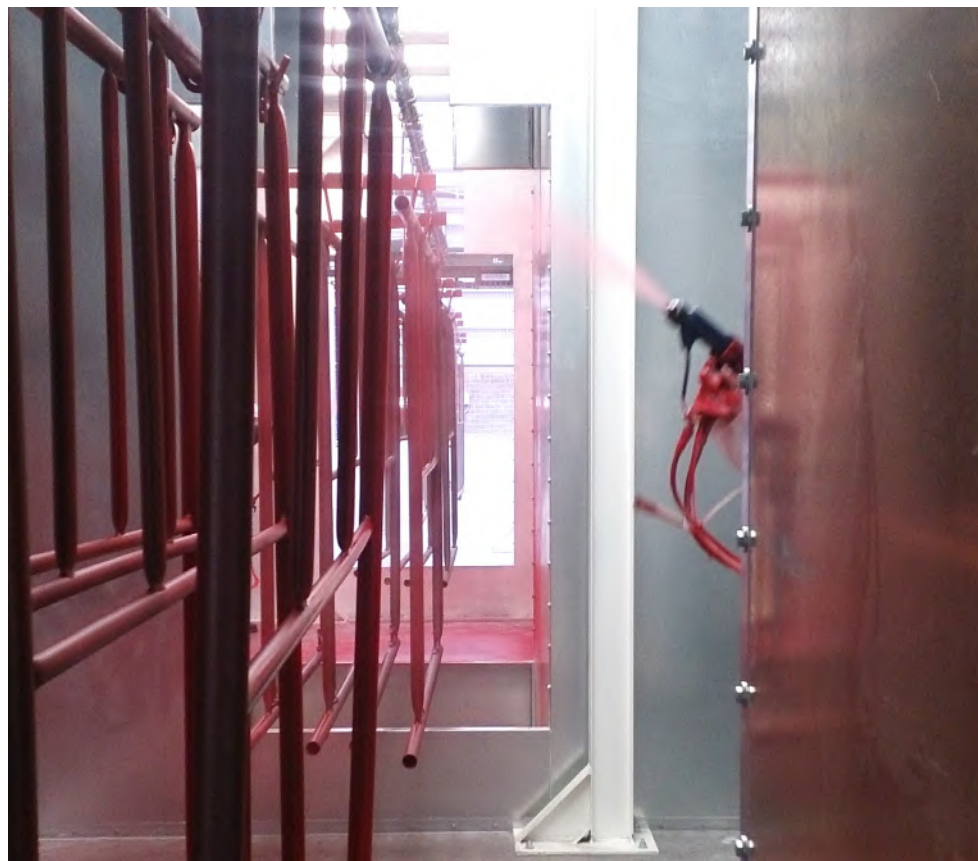


Paint Booths

ANAEROBIA supplies pain booths designed under highest quality standards and environmental protection.

Our extensive experience in the selection and installation of equipment for paint application allows us to offer from standard booths to special booths with different control parameters, such as temperature, relative humidity, air velocity, air volume.

We supply from small booths for the application of liquid and powder paint up to paint booths for products as large as the aerospace and railway industry.





Dry filter Paint Booth

Crossdraft Design

The air flows horizontally through the booth, flowing from the front, through the product and up to the back of the booth where all particles are retained in the filters and before the exhaust chamber.

Open Face Booth

The following features are standard in GFS open face paint booths. It is the most suitable booth for batch type painting processes with low production.

Avoid wasting filters by replacing only the filters that need to be replaced. Our booth includes a pressure gauge that indicates when the filter needs to be replaced.

Side Downdraft Design

These booths are a solution when you don't need a pit. Air enters the booth through intake plenum and flows down through the product. When the air reaches the ground, it is extracted through exhaust chamber at floor level on both sides of the booth.

Semi-Downdraft Design

The air enters the booth through filtered ceiling plenum that occupies a third of the roof and flows down through the product. The air is extracted through exhaust chamber located in the back of the cabin.

This cabin is a hybrid design of the crossdraft and downdraft booth since it combines the characteristics of both.





Downdraft design

Generally accepted as the best airflow style, downdraft booths have excellent performance controlling overspray and contamination.

Air enters the booth through a full-length, filtered ceiling plenum. From there, air flows vertically over the product and into the filtered exhaust pit in the floor.

Water Wash Booth

Water Wash Spray Booths provide an extremely efficient way for removing paint particles from the exhausted air and are the most acceptable type of spray booth for all health, fire and building codes. Water wash spray booths are ideal when using large quantities of coatings, usually more than five gallons per day per square foot of area.



Dynaprecipitor Water Wash

Dynaprecipitor Water Wash Spray Booth handles a larger variety of paints in a wider range of viscosities and drying speeds, at higher production rates than any of the conventional spray booths. This booth employs two well-known engineering principles to remove paint particles from exhaust air in painting operations.

First, by extracting air through a continuous curtain of moving water, suspended paint particles are scrubbed out. Second, when air carrying paint particles makes a sudden change in direction of flow, centrifugal force slings the solid particles out of the air stream (called impingement). Entrained paint particles are thrown against adjacent walls and curtains. Water then flushes the particulate into the collecting pan. Through these two actions the air reaching the exhaust stack

is virtually free of airborne particles keeping the stack area cleaner longer. The wash water should be treated. This causes the paint particles to coagulate and allows convenient skimming when cleaning out the collection pan. We recommend that the end user enlist the support of an experienced chemical supplier that will provide the paint testing required to support the chemical treatment for controlling the pH, foaming and detactifier agent to enhance the performance of the water wash equipment.

Correctly engineered water wash spray booths provide an extremely efficient means for removing paint particles from the exhausted air. In addition, they are the most acceptable type of spray booth for all health, fire, and building codes.



EnviroTect

EnviroTect® washer section employs a built-in trough which provides an initial wetting action on the particulates. This enables the EnviroTect® booth to perform efficiently with even the most difficult coating materials. Straight line, non-turbulent air flow through this spray curtain improves paint particulate capture and cleaning action while reducing energy consumption. EnviroTect water wash booth are custom booths.

Water Wash with a Difference Air/liquid nozzles are spaced as necessary depending on production and air volume requirements. Interior surfaces are wetted to eliminate paint overspray build-up which reduces booth cleaning and captures the paint within the eliminator for removal.





EnviroTect® F7

This model of water wash spray booth is for standard industrial applications. It is rated as passing less than 5 grains solids per 1000 CFM*. The F7 water wash can be used to convert existing booths and could use the existing fan and pump, this model also features reduced energy requirements.

Vertical Flow Models

- Static Pressure: 3.5" WC
- Air Nozzle Diameter: 17" minimum I.D.
- Liquid Nozzle: 150 GPM
- Liquid Nozzle Pressure: 4 psi
- Air and liquid nozzles are made of 316 stainless steel

EnviroTect® F10

This model of water wash spray booth is a high efficiency booth for heavy industrial painting. It is rated as passing less than 3 grains solids per 1000 CFM*.

Vertical Flow Models

- Static Pressure: 5" WC
- Air Nozzle Diameter: 14" minimum I.D.
- Liquid Nozzle: 150 GPM
- Liquid Nozzle Pressure: 4 psi
- Air and liquid nozzles are made of 316 stainless steel.





Conveyors

The material handling systems also called conveyors, offer a specific solution for automatic flow of materials in the different production processes

The design of a conveyor depends on various characteristics such as the production volume, the dimensions and weight of the parts, the space available to install the equipment, the specific logistics requirements of each client. These factors determine the speed of the system, the hanging space between parts, the type of conveyor, etc.

We offer various material handling solutions, depending on the needs of our clients.

- Conveyor beam I or closed track (elevated and floor).
- Conveyor Power & Free elevated or inverted.
- Electrified monorail.
- Skid conveyors.





Division of Fluid Handling (Fhd)

Fluid handling plays an important role in the automotive production process, agricultural, railway, pharmaceutical, food and electronic industries.

Regardless of whether it is to transfer fluids, to lubricate or apply adhesives, seal or paint, ANAEROBIA has a solution that adapts to your needs.

Our offer includes the following equipment for manual and automatic applications with or without recirculation:

1. Applications of one, two or more components coatings (1K, 2k, 3k).
2. Adhesive applications.
3. Seal applications (liquid PVC with more than 20,000 CPS).
4. Wax application.
5. Applications for lubricants and gasoline dosing.
6. Temperature control for all coatings.
7. Applications for multiple rapid color changes.

Anaerobia works together with the most recognized brands in the market for this type of applications and maintains a cooperative relationship with original equipment manufacturers. This allows us to have immediate response for the supply and installation of these systems.





Automotive Repaint

ANAEROBIA supplies an extensive range of high-performance paint booths and finishing equipment for automotive refinish shops and collision centers of all shapes and sizes

These booths can be installed in the assembly plants, in Tier 1 facilities or in distribution agencies throughout the country.

- Preparation stations with curtain and air intake.
- Booths for automotive repaint with advanced curing system.
- Performer booth for industrial and automotive use.
- Mixing room for paint preparation and storage.
- REVO infrared lamps systems for painting curing.





Filters

ANAEROBIA has a wide catalog of filters and spare parts to control the ideal conditions in a confined space and increase the useful life of the equipment.

Extraction Filters

Wave filter

- Exclusive GFS line
- The unique surface captures and retains the overspray.
- Longer filter life.
- Minimize particle emissions.
- Efficiency: 99.83%
- Meets NFPA 33, OSHA and UL 900.

CPA high performance polyester filters

- Designed for high production.
- High capture capacity and efficiency.
- 1 "thick

Glass fiber filters

- Open weave pattern.
- Penetrating particles in 2 "pad.
- UL Listed, Class 2 approved.





Injection Filters

High temperature injection filters with internal frame

- Eliminates 90% of particles.
- Solid steel internal structure for easy adjustment.
- Temperature seal
- Elimination of more than 90% of particles > 5 microns.
- Internal welded steel structure.
- Seams to prevent flapping of the media.
- UL Listed, Class 2 approved.

Tacky filters with and without internal frame

- High performance.
- Economic.
- Made of synthetic fiber.
- United with special adhesive.
- Internal welded steel frame.
- Easy adjustment with automatic closing gasket.
- UL, Class 2 approved.

Filters for high temperature (roll) micro precleaned and bulk cleaning

- Suitable for medium-high temperature systems.
- Polyester fiber bonded with a polyvinyl chloride binder.

Filters for Dust Collection

Bag filters

- Filters with individual edges.
- Internal thermo-sealed dividing bars.
- High dust holding capacity.
- Provides a long service life.

Pleated filters

- Corrugated panel filters.
- 16 folds per lineal foot.
- Constructed of non-woven cotton / synthetic material.
- Available in the UL, Class 2 or 1 list.
- In 4", 2" and 1" depth different Merw.

Cartridge filters

- For dust recovery and powder painting booths.
- Sanding dust collection systems.



Paper Filters

Paper mesh filters

- They are constructed of meshes.
- Many layers
- UL, Class 2

Polyester-paper mesh filters

- Highly efficient
- Great paint retention capacity.
- Constructed of seven layers expanded paper.
- With white polyester support.

Carton pleated filter

Pleated Filter

Capture holes for paint particles.

3 Stage filter

Designed for the collection of waste containing chromates.

Superior to the requirements of NESHAP Method 319.

- Stage 1 (WAVE).
- Stage 2 filters (MEPT) provide an optimal.
- Stage 3 bag filter.

Multifuncional

Filters to clean the injection air

Dust collector systems

These products are used to collect dust generated in industrial activities such as sanding, surface cleaning, among others.

The cabins provide a safe and clean environment for blasting operations. Our cabins are redesigned to measure.

We offer various types of powder collection booths:

- Sanding cabins.
- Sanding and grinding cabins.
- Blasting cabins.
- Dust collector modules.
- High production dust collectors.





Services

The after-sale support to our clients is very important and represents a specific area of our company. This area specializes in serving all the after-sales service and spare parts supply for our clients, such as:

- Preventive maintenance and system protection planning.
- Supply of spare parts and filters packages.
- Validation of the status and condition of the facilities and / or equipment.
- Service for air flow balance for booths and ovens.
- Training for production and maintenance operators (TPM).
- Inspections and periodic reports of customer's facilities. Technical specifications and / or engineering for paint application processes; all based on the process and product specifications required by the client.

The plans and programs can include everything necessary from a specialized deep cleaning or a filter change up to the recommendation of a major repair to equipment

or necessary adjustments.

Why is service important?

- To extend the life of your equipment.
- Minimize losses due to stoppages or eventual failures that directly affect production.
- It is a fundamental factor to obtain processes and products with an optimum quality.
- Provides greater confidence in the performance of the equipment.

Parts lists

In all our projects we provide a spare and wear parts list which we recommend the customer to keep them available in the warehouse.

We are focused on supplying all the parts and spare parts that the client requires so that the equipment maintains its optimum operating conditions.



Compliance with International Standards

All our products meet or exceed all codes and regulations related to the equipment, in addition our company works under the guidelines of industrial safety and environmental protection that our clients demand.



Our Offer

High Technology

We offer systems and products with a specialized level of engineering and high-quality standards, integrating the innovations and newest technology of our sector.

Added Value

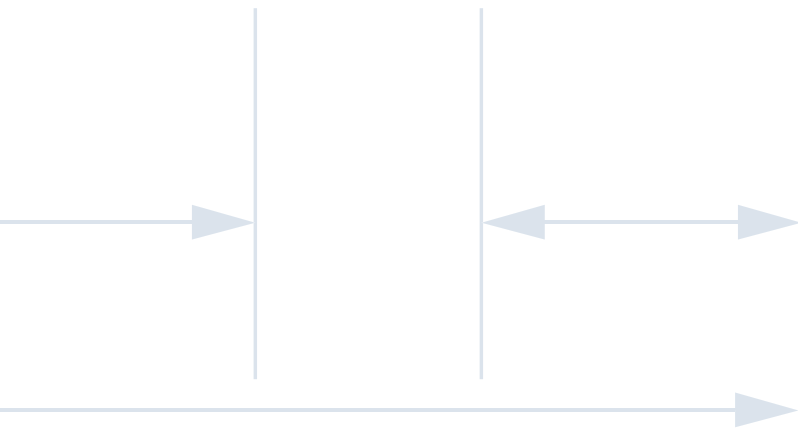
We offer our clients systems that increase their efficiency, as well as their productivity rates.

Integral Services

We distinguish ourselves by integrating “turnkey” projects, acquiring the complete responsibility of the project, from the quotation stage, engineering, manufacturing, installation and start-up to the local technical support service once the installation is completed.

Custom Solutions

All our solutions are adapted to the particular conditions of each of our clients, taking into account aspects such as: budget, space and process.





Social Responsibility

At Anaerobia we are aware of the impact that our activities have within the community. Therefore, we have decided to align social responsibility with the strategic vision of the company, performing our activities with an ethical framework, which motivates the growth of our teamwork and allows the constant improvement of our company.

Our social responsibility practices are founded in four pillars

Quality of Life

At Anaerobia we recognize that human capital is vital for the growth of our organization. Therefore, we care about providing a pleasant and healthy environment that allows to enhance the capabilities of everyone inside and outside the organization.

Environmental Care

We understand that our planet needs to be preserved, and today we recognize that all companies are a key factor to reverse the negative environmental impact that we observe every day.

Due to this situation, with the goal of being a sustainable business, Anaerobia works under guidelines of industrial safety and international environmental protection. We practice and encourage our team to work and to adopt the 2030 United Nations Agenda for Sustainable Development.

Business Ethics

Anaerobia promotes a culture of integrity and respect towards all our collaborators, clients and suppliers. To achieve this, we stick to the six values that govern our vision and mission, always looking to develop projects with excellence.

Community

We understand the responsibility that we have as an organization inside our community. Also, we value the opportunity to be active members in the development of our environment. We seek to generate links with vulnerable sectors, as well as collaborate and create long-term relationship inside of our community.



**Business
Ethics**



Community



**Quality of
Life**



**Enviromental
Care**

Why choose Anaerobia?

- As a result of our engineering and manufacturing, our products are easy to install with short delivery times.
- We work with the most recognized brands in the market.
- We reduce the risk of the project, becoming the only intermediary between our clients and suppliers.
- We offer local support and backup.





anaerobia.com

MÉXICO

PUEBLA | MONTERREY | LEÓN