



**POWDER COATING AND
LIQUID PAINT COATING SYSTEMS**

PRODUCT CATALOGUE



FOR MORE COLOURFUL WORLD

The production of our powder coating and paint spraying systems is entirely according to the individual wishes of our customers. Our engineers create the most efficient and innovative solutions for our customers. Our 38 years of experience is reflected in our high quality products.



POWDER COATING AND LIQUID PAINT COATING SYSTEMS



POWDER COATING AND
WET PAINTING SYSTEMS



WORK IT HARDER
MAKE IT

BETTER

DO IT FASTER
MAKE US

STRONGER

www.elboy.com.tr



www.elboy-gmbh.de



COMPANY HISTORY



Elboy Industrial Solutions was established in Şişhane which had been the commercial center in İstanbul in 1980. The company has ranked among the leading machine companies in the sector in a short span of time through its attitude of meticulousness and quality for its products as of the first day of the establishment.

It has strengthened the partnership with BTL Bautechnik GmbH which has been manufacturing firefighting equipment in Luckenwalde, regarding industrial painting systems in 2015 and established Elboy GmbH having a closed area of 20 thousand square meter on 40 acres of land.

Elboy products, heard by the whole world, not only Turkey, has been uneventfully providing service to its customers in more than 30 countries such as Saudi Arabia, Israel, Syria, Iraq, Lebanon, Jordan, Kuwait, Nigeria, South Africa, Libya, Egypt, Pakistan, India, Uzbekistan, Turkmenistan, Kazakhstan, Azerbaijan, Greece, Bulgaria, Germany, Netherlands, Armenia, Poland, Macedonia, Albania, Kosova, Ukraine, Romania, Morocco, Algeria, France and Tunisia.

As well as wet paint and powder coating systems manufactured through the brands of registered ELBOY and PROTON, Elboy has been also manufacturing industrial ovens in various types, chemical surface cleaning lines, manual and automatic sandblasting facilities, auto paint booths, special designed wet paint and powder coating booths and ovens and enamel coating systems.

Maintaining its quality and reliability attitude for selection of the materials used in the manufacturing process at any time, Elboy pays attention to which these materials are qualified, safety controlled, user friendly and do not harm to human health and uses international quality-certified auxiliary materials as well as quality-certified domestic materials. Aiming to manufacture the highest quality products with its experienced staff, ELBOY has adopted an attitude which service philosophy does not finish after the delivery of the products and gives particular importance to the customer satisfaction.

ELBOY Makina has been resolutely growing by intending to increase its capacity, quality, technology and services to better extent in progress of time.

Would not you like to meet ELBOY known by the whole world also?

FOR MORE COLOURFUL WORLD....

QUALITY CRITERIAS

Through its attitude in which guarantee does not expire after delivery of the products, Elboy provides technical assistance service in every area at where a technician can arrive.

Elboy's fundamentals principals of service manner for the customers are as follows:

- The problems and needs of our customers should be resolved in time and ideally.
- Our customers should be provided with fully equipped technical information and training with regard to our products.
- Project proposals offered to our customers should be in accordance with the demands of our customers and have the highest efficiency.
- Customer expectations and design and development activities intended for the leadership in the sector should continue without interruption.
- Mass production should be provided by ideally merging flexible production method and R & D activities.
- Good dialogs should be established with the suppliers and the highest quality products should be offered to our customers by ensuring supplier satisfaction.
- We should determine as our basic philosophy to preserve our existing capacity and also increase our machine section, staff, designs, suppliers and every point in our manufacturing area.



OUR COMPETENCIES

Paint Shop Facility Analysis

Paint Shop Design

Virtual Presentation

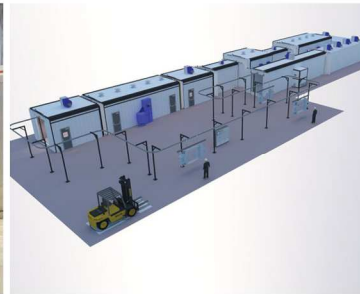
Automation Software

Project Preparation

Manufacturing

Application

Training



WHY ELBOY ?

YEARS OF EXPERIENCE CHARACTERIZES US!

We constantly improve our quality through our internal and external audits and with constant consultation with our customers.

QUALITY SERVICE

We have full knowledge of the work that we carry out, we are meticulously working and we are establishing high quality facilities for our customers in all sectors.

HIGH EFFICIENCY

Our primary purpose is high efficiency. We are developing our entire system in line with achieving this purpose.

SPECIAL DESIGN

We are not limited with what we only produce. We are not trying to fit you into the standards. We are producing the most efficient one by blending your projects in your minds with our experiences.

LOW COSTS

We optimize the costs for the benefit of our customers in all activities carried out by us and produce reasonably priced solutions.

HIGH-QUALITY RAW MATERIAL

We meticulously select materials that we use in our manufacturing and use domestic and imported products with international certification. We carry out what our design requires and never compromise on quality.

ECONOMY AND EASY USE

Our designs are meticulously carried out so as to prevent loss of time and consumables.

24/7 SERVICE DELIVERY

Our customers may contact us through Telephone, E-mail, Whatsapp and Viber applications at any time and their problems are swiftly resolved.

MANNER OF PEOPLE ORIENTED, NOT CUSTOMER

We do not consider you as only the customer. You are a member of our family.



SANDBLASTING BOOTHS

Metal Sandblasting

Sandblasting is a method applied to remove the oil, dirt, rust and corrosion on the metal due to rust and corrosion in time and to increase the service life of the metal by dyeing process.

S-ROOMLINE manual sandblasting booths are designed according to the size of your products. Dust collecting, sand collecting, separating and recycling units of these cabins are provided with optional methods to reach the optimal solution to your budget.

In addition, **SANDLINE** Vacuum sandblasting machines are designed for sandblasting small parts and are an economical solution.

Dust Collection

- Mono Cyclone Unit
- Jet-Pulse Filter Group

Sand Collection

- Spiral System
- Under Cabin Sweep System
- Manual Sweeping

Sand Separation and Recycling

- High Capacity Vacuum System
- Elevator Separator System

Glass Sanding

Glass sandblasting can be applied to flat plate glasses as well as various decorative products such as bottles, cups, vases, etc. to provide a stylish appearance.

SANDLINE vacuum sandblasting machines can be produced in any size for glass sandblasting. The fan with high vacuum capacity absorbs the sand particles sprayed and the particles are trapped by Non-woven polyester filters. Filters are automatically cleaned with digitally controlled Jet-Pulse reverse-pressurized air. It does not pollute the outside with its sealing structure.

SANDBLASTING BOOTHS

“We are not trying to fit you into the standards”



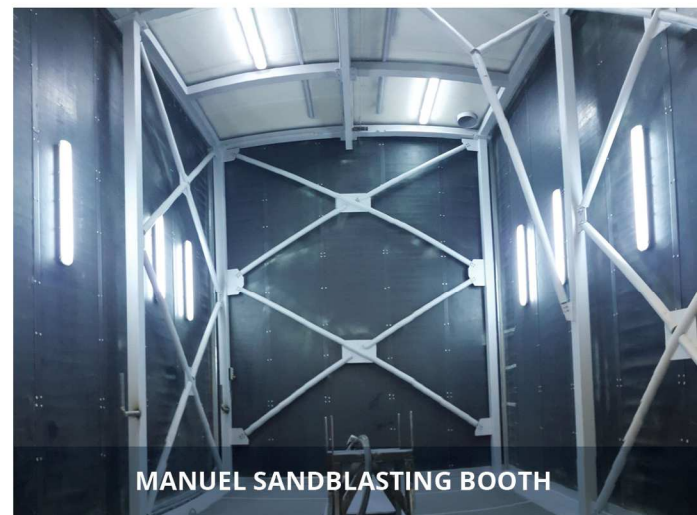
VACUUM SANDBLASTING MACHINE



MANUEL SANDBLASTING BOOTH



SAND VACUUM AND JET-PULSE FILTER SYSTEM



MANUEL SANDBLASTING BOOTH

For more information please scan QR codes and visit our website.

MANUEL
SANDBLASTING BOOTH



VACUUM
SANDBLASTING MACHINE



SAND
VACUUM UNIT



PRETREATMENT SYSTEMS

Surface treatment is used to increase the efficiency of all powder and wet paint coatings. Correct surface treatment provides improved corrosion resistance and paint adhesion.

We offer a variety of environmentally friendly, high-tech systems that enable the use of Chrome Free, Iron Phosphate, Bonderite, Nano Technology chemicals.

Pretreatment systems are designed according to process number, process times, chemical types and product dimensions.

Environmental protection is an important part of our corporate policy. It is our concern to minimize environmental impact in any form. Of course, we observe environmentally relevant legislation and regulations to avoid dangerous substances.

Our pre-treatment equipment range is available in 5 different versions

- Manual Immersion Type Pretreatment
- Automatic Immersion Type Pretreatment
- Manual Spray Type Pretreatment
- Automatic Spray Type Pretreatment
- Automatic Spray and Drying Machine



PRETREATMENT SYSTEMS

No grease ! No corrosion !



AUTOMATIC IMMERSION PRET.



AUTOMATIC SPRAY PRETREATMENT



AUTOMATIC SPRAY PRETREATMENT



MANUAL SPRAY PRETREATMENT

For more information please scan QR codes and visit our website.

AUTOMATIC IMMERSION PRET.



AUTOMATIC SPRAY PRETREATMENT



MANUAL SPRAY PRETREATMENT



MANUAL POWDER COATING SYSTEMS

Manual powder coating systems are ideal for small businesses with limited production capacity and assembly areas or products which can not suitable for robot powdercoating. These systems consist of powder spray gun, powder coating application spray booth and powder coating curing oven.

Depending on the application, painting booths can be used in various types. Vacuum systems are determined according to dimensions of the spray booths with a high capacity fans. Spray booths are designed to require easy operation and low maintenance.

Cyclone paint booths with easy color change function are preferred instead of filter painting booths in multicolor works.

Box type or Overhead Pallet Conveyored Ovens are used in these systems.



MANUAL POWDER COATING SYSTEMS

“Economic solutions for low capacities and small areas”



MULTI-CYCLONED SPRAYBOOTH



BOX TYPE OVEN AND FILTERED SPRAY BOOTH



OVERHEAD PALLET CONVEYORED OVEN



ELECTRIC OVEN

For more information please scan QR codes and visit our website.

**CYCLONED
SPRAY BOOTH**



**FILTERED
SPRAY BOOTH**



BOX TYPE OVEN



**OVERHEAD PALLET
CONVEYORED OVEN**



**MANUAL POWDERCOATING
SPRAYGUN**



AUTOMATIC POWDER COATING SYSTEMS

TWINLINE Automatic powder coating booths are designed for conveyor systems and suitable for painting robots.

Suction systems and body constructions are designed to prevent the powder paint from escaping outside the booth. Powder coated sheet iron, stainless steel or plastic material can be used in the construction of these booths which can be easily assembled and disassembled.

The cabin can be integrated with explosion proof motor, explosion proof lighting and fire extinguishing system. The measurements of the Automatic Powder Coating Booths are specially determined according to the product sizes to be painted. They are produced as Jet-Pulse Filter, Mono Cyclone or Multi Cyclone according to customer's demands.

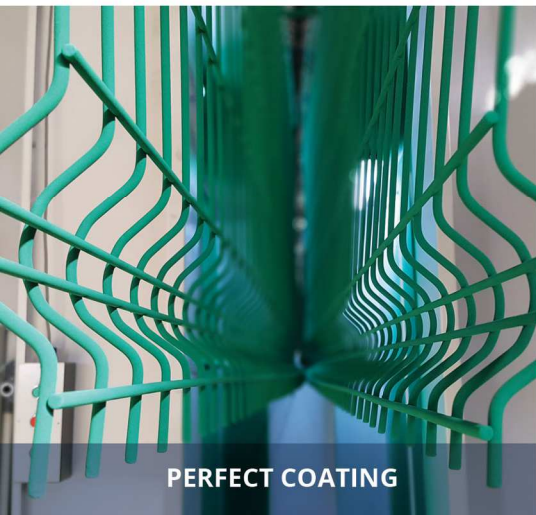
Spray booth can be placed on the automatic moving platform according to the design. It has automatic floor cleaning feature with compressed air and very easy color change is done.



Optional Powder Collecting Units
Mono-Cyclone
Multi-Cyclone
Jet-Pulse Filters

AUTOMATIC POWDER COATING SYSTEMS

“Let the machines do the job”



PERFECT COATING



FAST AND EASY COLOUR CHANGE



EASY ASSEMBLING AND DISASSEMBLING



EASY USAGE

For more information please scan QR codes and visit our website.

**AUTOMATIC
SPRAY BOOTHS**



**AUTOMATIC
SPRAYGUNS**



**AUTOMATIC
PAINTING ROBOTS**



DRYING AND CURING OVENS

Elboy drying and curing ovens are air circulating ovens. Specially designed air distribution channels provide a homogeneous heat distribution throughout the furnace. In this case a proper curing and drying process is applied.

High-efficiency air curtains and robust steel body with strong insulation minimize heat loss. Automatic solvent discharge fans allow the solvent to throw away from the furnace during curing or drying. Fully stainless steel combustion chambers and high heat-resistant fans provide long-lasting usage. Thanks to the modular structure, it is very easy to carry and can be re-installed like the first day. Apart from paint curing operations, it can also be used for processes such as serigraphy drying, resin drying, and varnish drying. Gas, Electricity, Diesel fuel and Solid fuels (sawdust, nuts peanut shell, pellet, wood, coal) can be used in the production of heat energy.

Our production portfolio also includes high-grade thermal annealing furnaces.

Oven Types

- Box Type Oven
- Overhead Pallet Conveyored Oven
- U , L , I , M , N Type Oven
- Camel Type Oven

DRYING AND CURING OVENS

Advantages

- Homogeneous heat distribution
- Long-life construction
- Highly efficient insulation
- Stainless combustion chambers



BOX TYPE OVENS



TUNNEL TYPE OVENS



U-TYPE OVENS



CAMEL TYPE OVENS

For more information please scan QR codes and visit our website.

BOX TYPE
OVENS



U-TYPE
OVENS



TUNNEL TYPE
OVENS



CAMEL TYPE
OVENS



WET PAINTING SPRAY BOOTHS

WETLINE and **FILTERLINE** wet paint booths are specially designed for manual wet paint applications. There are water curtained and dry filtered types. Closed positive pressure room types can be applied for both types.

Water curtained booth are produced from galvanized or stainless steel. The comfort of the staff is provided with high capacity fans. In order to prevent environmental pollution, gradual filter groups and separators are used.

Dry type filtered spray booths are suitable for plants where less paint is used compared to water curtained booths or where heating is required in the same spray booth. Accordion cardboard filters are used in small cabinets and EU3 - EU4 - EU5 filters are used in large spray booths.

In room type dry filtered spraybooths, there are features such as keeping the painting area at a fixed temperature, primer and finalcoat painting, flash off and drying after painting. All these processes are managed automatically by the PLC control system according to the process sequence.

The room type spray booths are made of fireproof and insulated sandwich panels and have a fresh air supply system. Paint suction can be done from the walls or grating floor. Environment pollution is prevented by the progressive filter structure. Upon request exproof fans and lighting can be used. The painting performance is high with the angled lighting.

**Air supply and suction speed
suitable European standards
Homogeneous heat distribution
Long-life construction
Highly efficient insulation
Stainless combustion chambers
Gas, Diesel, Electric heating facilities
Easy filter change
Emergency exit gate**

WET PAINTING SPRAY BOOTHS

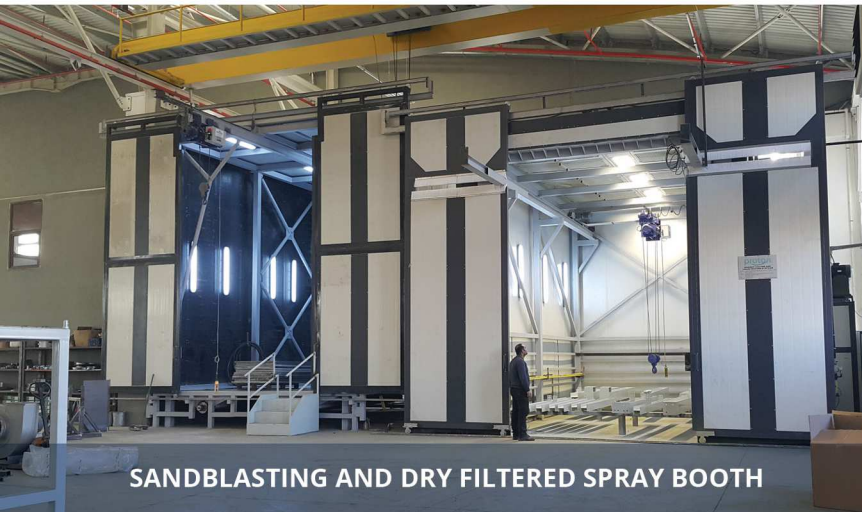
“ We colour the life! ”



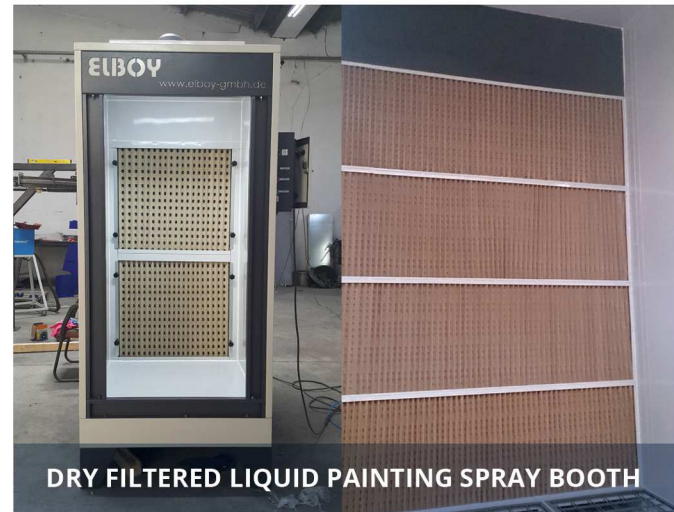
COMBINED SPRAY BOOTH



WATER CURTAINED LIQUID PAINTING SPRAY BOOTH



SANDBLASTING AND DRY FILTERED SPRAY BOOTH



DRY FILTERED LIQUID PAINTING SPRAY BOOTH

For more information please scan QR codes and visit our website.

COMBINED
SPRAY BOOTH



WATER CURTAINED
SPRAY BOOTH



DRY FILTERED
SPRAY BOOTH



COMPLETE
PAINTING PLANTS



www.elboy-gmbh.de



LIQUID PAINTING PLANTS

It can be designed for products of all sizes, with hanging conveyor or floor conveyor systems.

Sand-blasting, Chemical Washing, Primer Coating, Drying, Puttying and Sanding, Finalcoat Paint and Curing Ovens can be added inside the system .

Step By Step systems works in order to make the determined processes within the set periods.The automatic doors are opened at the end of the period and the product automatically runs to the next process.

These fully automated systems are controlled via a 15 "touch screen and provide various reporting methods such as monitoring from the main computer, product reporting and score reporting on request and provides remote control.

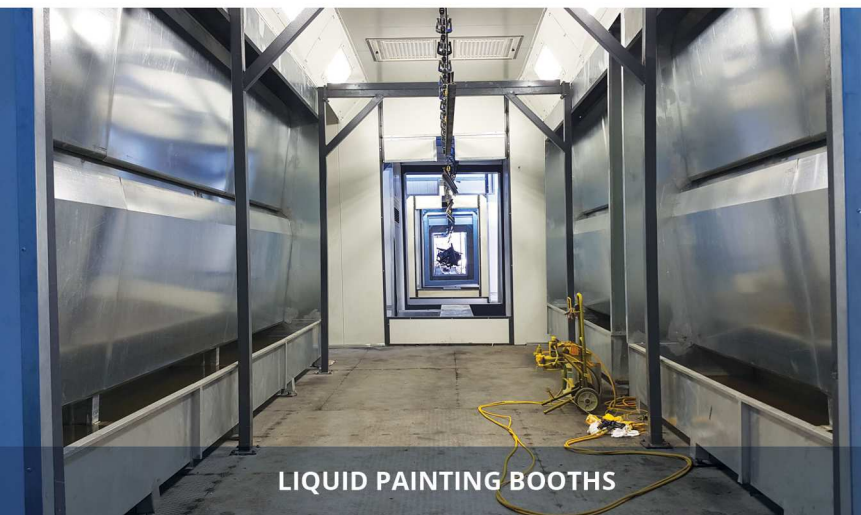
Another option is the system with unlimited freedom with bara transfer conveyors and uncompressed process sequences and time limits.



LIQUID PAINTING PLANTS

Process Types

- Pre-wash Booths
- Sandblasting Booths
- Chemical Surface Preparation Booths
- Puttying and Sanding Booths
- Primer Coating Booths
- Final Paint Coating Booths
- Drying and Curing Ovens



For more information please scan QR codes and visit our website.

SANDBLASTING
BOOTHS



CHEMICAL SURFACE
PREPARATION BOOTHS



LIQUID PAINTING
BOOTHS



CONVEYOR
SYSTEMS



STEP BY STEP
PLANTS



BAR TRANSFER SYSTEMS

It is a conveyor system that allows the transfer of the product to be painted manually or automatically between the required processes until the end of the surface treatment and dyeing process after the conveyor is suspended.

Application of processes can be done automatically according to requests and projects.

It provides considerably high space and energy savings compared to the continuous conveyor systems used in fully automatic plants.

Closed type Cardan or NPI rails are used according to product weight.

Process Types

- Pre-wash Booths
- Sandblasting Booths
- Chemical Surface Preparation Booths
- Puttying and Sanding Booths
- Primer Coating Booths
- Final Paint Coating Booths
- Drying and Curing Ovens
- Manual Powder Coating Spray Booth
- Automatic Powder Coating Spray Booth
- Automatic Spray Chemical Surface Preparation Unit

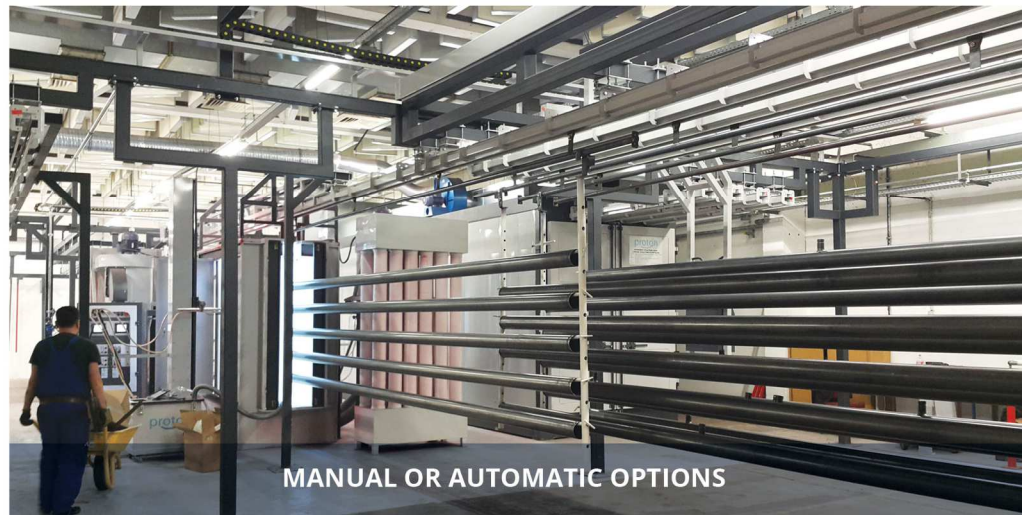


BAR TRANSFER SYSTEMS

*“High capacities
in tight spaces”*



FUEL SAVING



MANUAL OR AUTOMATIC OPTIONS



SUITABLE FOR MULTI PROCESS



COMFORTABLE USAGE

For more information please scan QR codes and visit our website.

BAR TRANSFER
SYSTEMS



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ELBOY

CONVEYOR SYSTEMS

It is a system that enables the automatic passage of products between processes in the painting plants. Conveyor types are determined by product weights and process types.

4 different conveyor systems are produced;

- Mono-Rail Conveyor System
- Power and Free Conveyor System
- Bar Transfer Conveyor System
- Conveyor System from the Ground

Conveyors offer a high user freedom.

Horizontal and vertical movements can be performed within the Power-Free conveyor system. Power-Free Conveyor systems have features like accumulation, lifting elevator and product rotate .

We use Italian Futura Power Free Conveyor systems.



CONVEYOR SYSTEMS

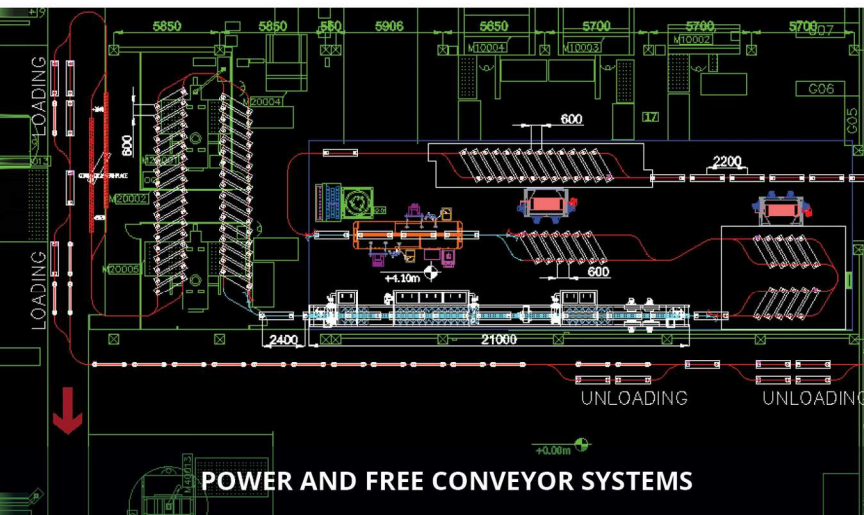
*“Huge capacity
low energy consumption”*



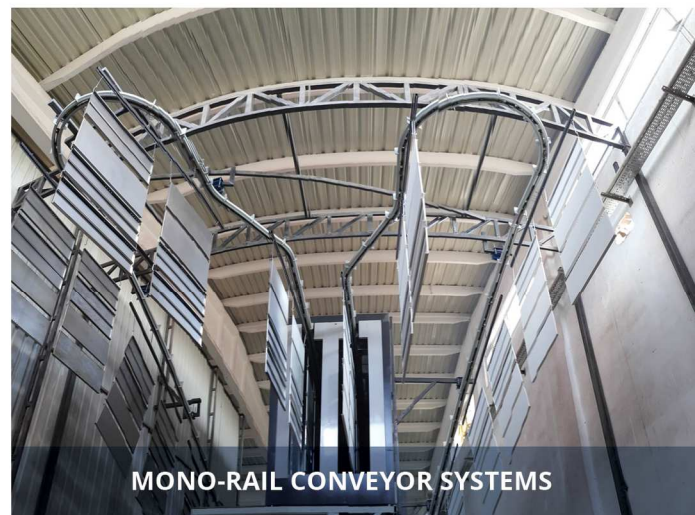
MONO-RAIL CONVEYOR SYSTEMS



MONO-RAIL CONVEYOR SYSTEMS



POWER AND FREE CONVEYOR SYSTEMS



MONO-RAIL CONVEYOR SYSTEMS

For more information please scan QR codes and visit our website.

**MONO-RAIL
CONVEYOR SYSTEMS**



**BAR TRANSFER
CONVEYOR SYSTEMS**



**POWER AND FREE
CONVEYOR SYSTEMS**



**CONVEYOR SYSTEM
FROM THE GROUND**



CONTROL UNITS

Our systems can be controlled by two types of control panels, analog and PLC controlled. Electric panels are resistant to impact and have high moisture resistance. Occupational safety is our highest privilege here.

PLC control units, displays, automation systems, timers, start-stop pushbuttons, thermal magnetic shields, contactors and fault warning lights are TSE and CE certified parts and SIEMENS, TELEMECANIQUE, WEIDMULLER and SCHNEIDER branded equipment are used.

Our PLC-controlled panels have numerous functions, such as: Several temperature displays, performance reports, remote control, recording, live monitoring and programming according to specific requirements. The PLC interfaces are stylish and userfriendly.



CONTROL UNITS

- Options for automatic start and stop
- Distance control
- Recording of working hours or equipment
- Intelligent protection applications for heating systems



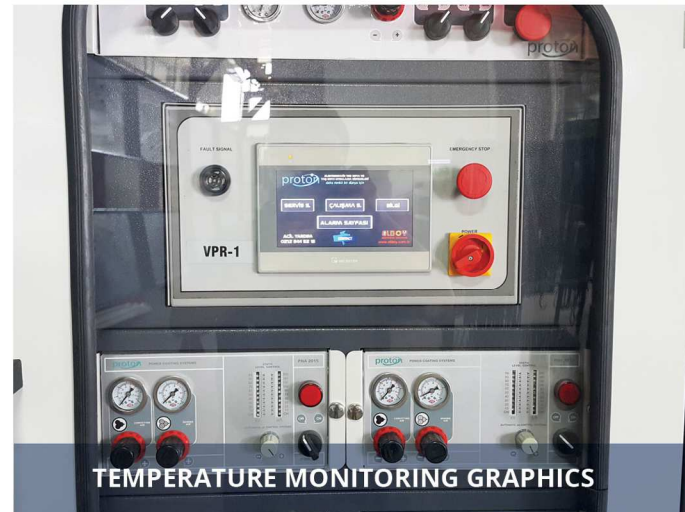
OPERATION WITH PASSWORD



FLEXIBILITY OF SPECIAL SCENARIO APPLICATIONS



POSSIBILITY OF WEEKLY PROGRAMMING



TEMPERATURE MONITORING GRAPHICS

For more information please scan QR codes and visit our website.

CONTROL UNITS



POWDER COLLECTING UNITS

These units used for suction, collection and recycling in the powder coating booths .

Mono Cyclone, Multi Cyclone or Jet-Pulse filters can be used alone or in combination with other units. They are made of either stainless or powder coated sheet metal.

They can be used in both automatic and manual systems. Automatic powder recycling unit can be used for saving time.

The designs are based on lower wear part consumption and a easy color change. Pressure difference displays facilitate the determination of filter change times.

Filter cleaning in Jet-Pulse filter groups is digitally controlled and automatic.



POWDER COLLECTING UNITS
Mono Cyclones
Multi Cyclones
Jet-Pulse Filter Group

POWDER COLLECTING UNITS

“ Powerful Vacuum Systems ”



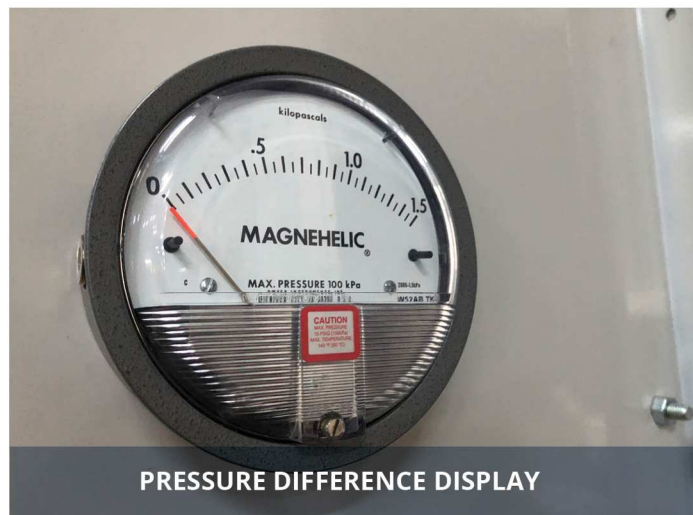
MULTI CYCLONE



POWDERCOATING SPRAY BOOTH WITH MONO CYCLONE



JET-PULSE FILTER GROUP



PRESSURE DIFFERENCE DISPLAY

For more information please scan QR codes and visit our website.

MULTI CYCLONE



JET-PULSE
FILTER GROUP



MONO CYCLONE



EXPORT

“ Exports to over 30 countries ”



Armenia
Egypt
Algeria
Azerbaijan
Albania
Bulgaria
Germany
France
Greece
Iraq
Israel

India
Jordan
Kazakhstan
Kuwait
Kosovo
Lebanon
Libya
Macedonia
Morocco
Netherlands
Nigeria

Pakistan
Poland
Romania
Russia
Saudi Arabia
South Africa
Syria
Tunisia
turkmenistan
Ukraine
Uzbekistan





POWDER COATING AND LIQUID PAINT COATING SYSTEMS

*“ Technology,
Engineering and
Creativity together ”*



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