sapi

www.sapigmbh.de

Sapi was founded in 1970 in Germany. With the right and high quality projects, the service ensured that the service was the market leader in a short time. With the increasing demand, it expands its distribution network by establishing sales, warehousing and manufacturing companies in 6 countries of the world apart from Germany.

In 2020 Turkey for the opening of factories and sales network expansion is fighting the decision. In addition to enlarging its distribution network in Turkey and the Middle East market with this decision has been made as the 3.factory investment.

Today, there are sales and manufacturing companies in 7 countries, with headquarters in Germany. It has distributorships and technical service points in many regions of the world where it has its own companies.

With 50 years of experience and professional teams, Sapi, blasting and painting technologies, design, production and turnkey installation, equipment supply, spare parts supply.


sapi
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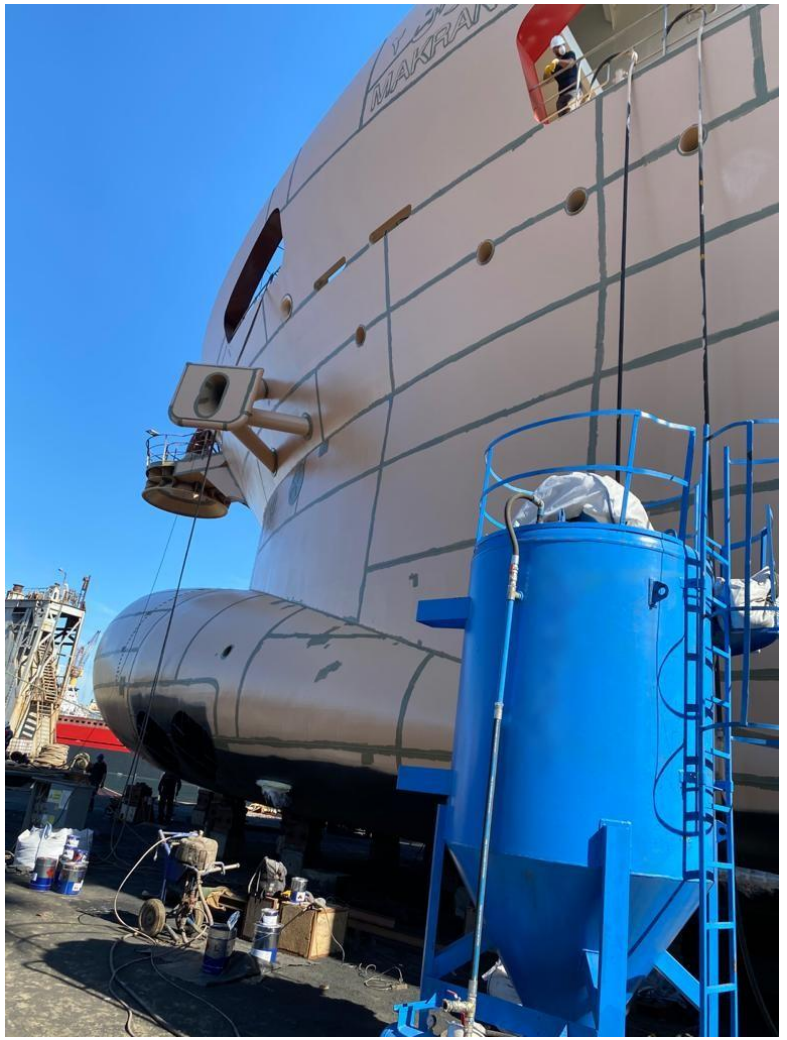
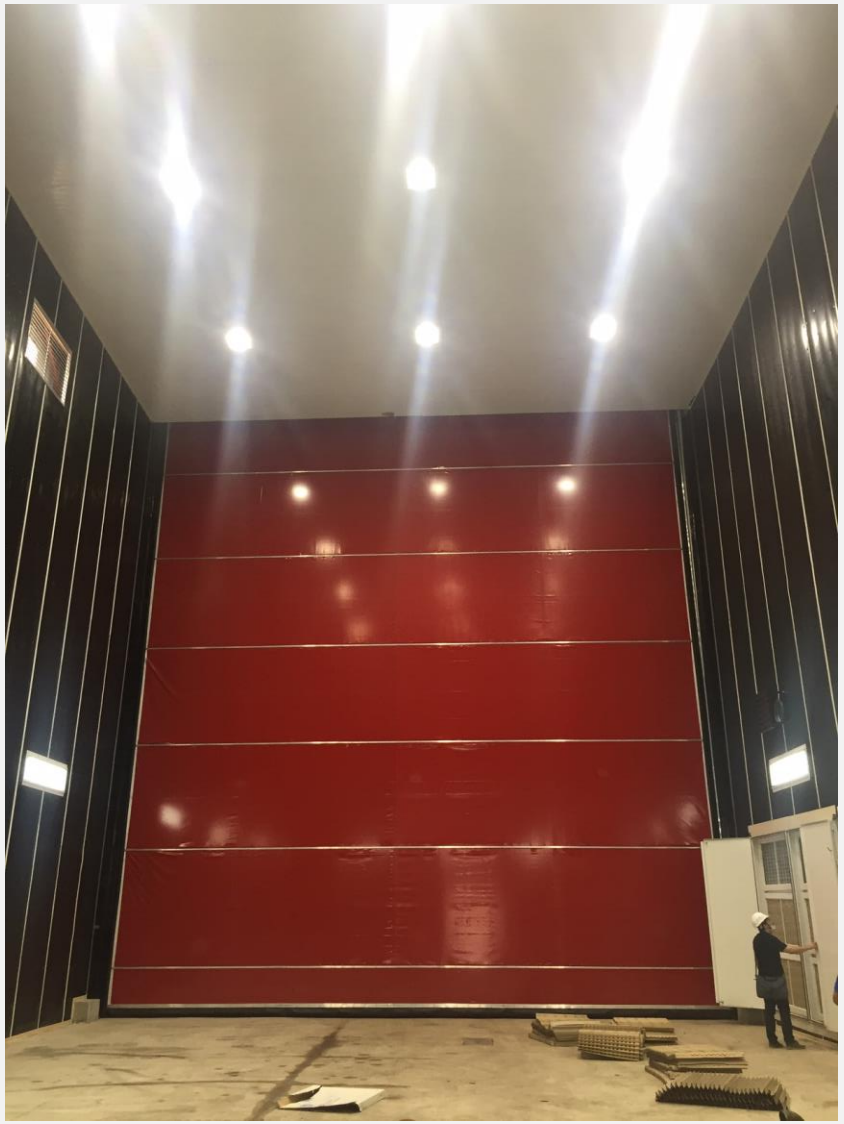


SAPI
Big Blast Pot

SAPI
Vacuum Unit

SAPI
Dehumidifier



SAPI

Shipyard Sandblasting & Painting Area

Painting Plant

Sandblasting Plant

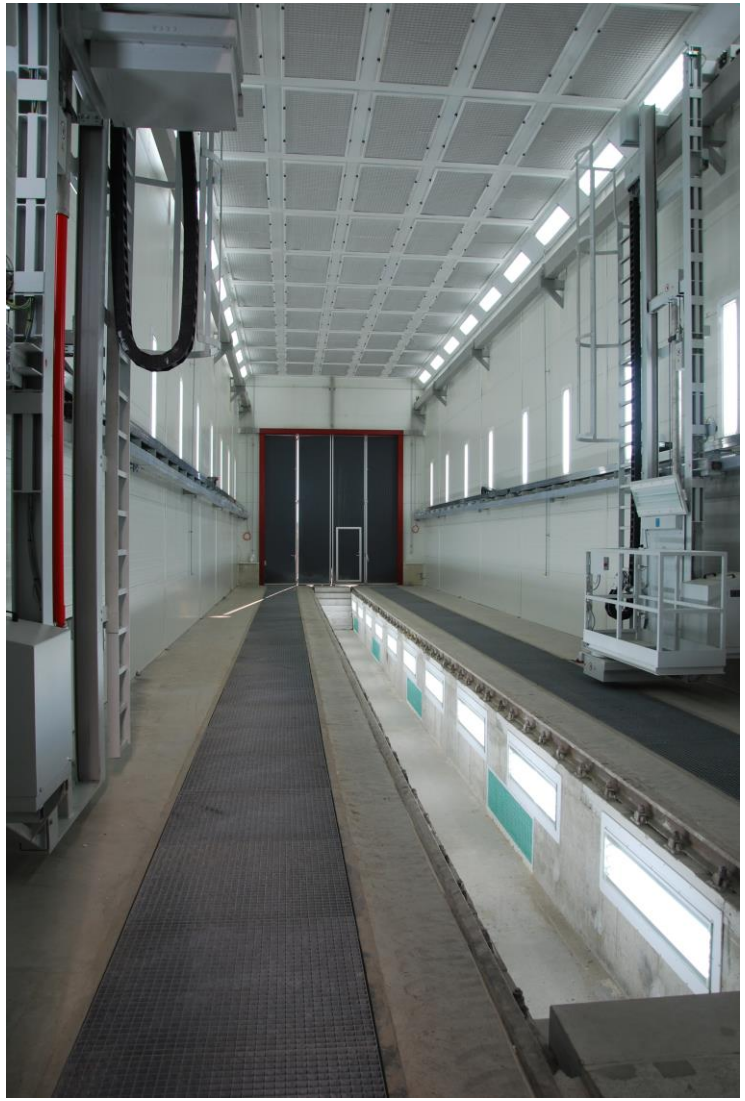

Sandblasting Plant

Painting Plant / Mix Room

Painting Plant

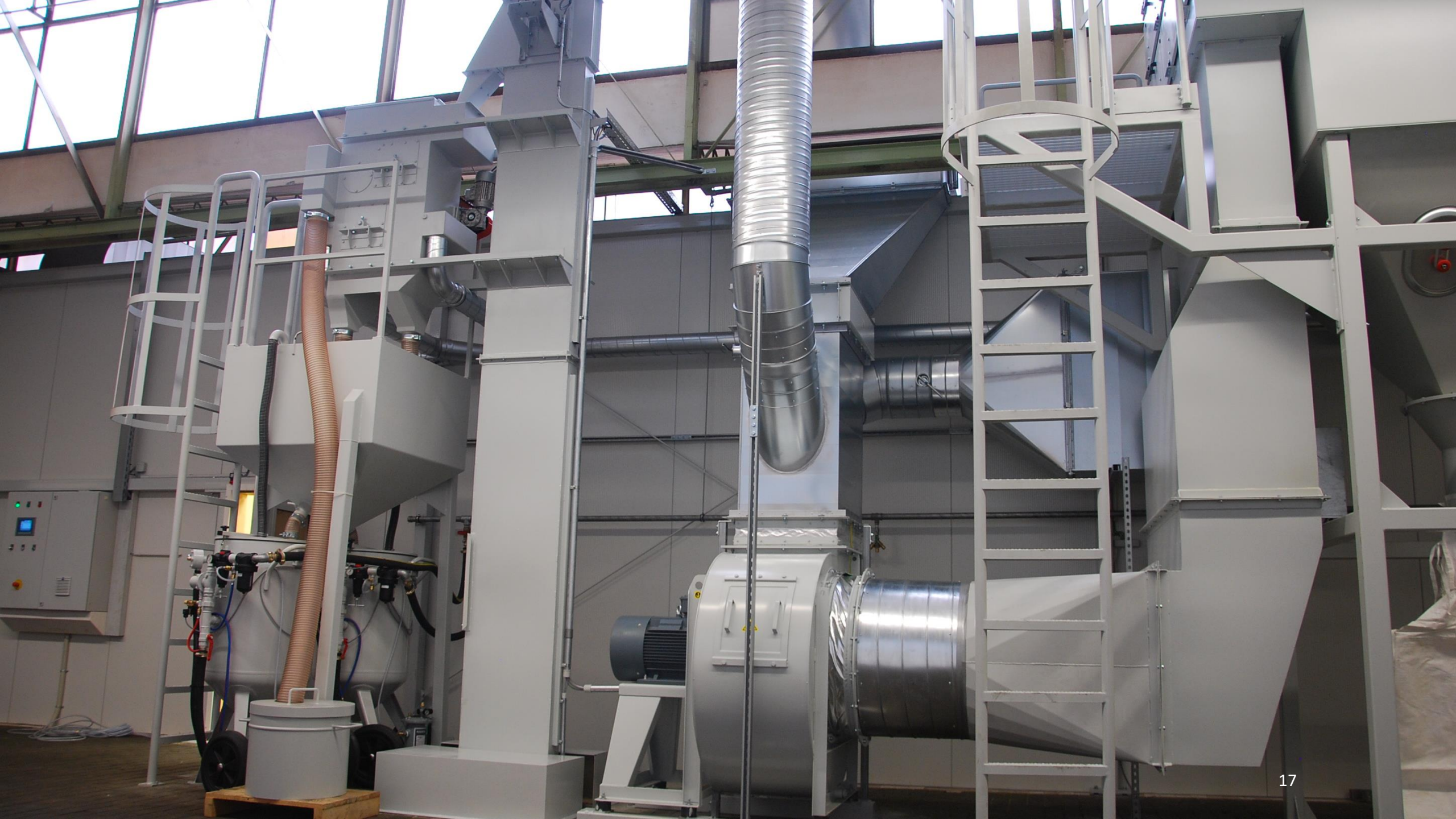
Painting Plant


Washing Plant



Painting Plant /
Operator Platforms

Sandblasting Plant /
Operator Platforms



Portatif - Konteyner Kumlama Kabini

Portable - Container Blasting Cabinet

Sistem Detayları

System Detail

Granular Recycling System/ Flat Conveyor

Granular Recycling System/ Flat Conveyor

Blasting material – flat conveyer unit with normal load gratings. This system can also be mounted onto an already existing floor at any time.

This blasting medium reconveing system consists of a patented flat conveyor system. The system has an extremely long life cycle, little requirement of energy and minimal maintenance. The standard version is suitable for up to 4 operators.

The transport rakes are covered with special rubber at one pushing-side. Therefore the blasting medium is being conveyed in one direction. While returning, the rubber is stroking over the blasting material.

The top covering consists of normal load gratings. These gratings, made of special steel show a doubled higher carrying load than usual gratings. Conceiving wearing/tearing they are extremely resistant against blasting material bombardment.

The flat conveyer unit conveys reliably and trouble free the used blasting material below the floor grates to the lateral conveyer system. The total construction depth is 100 mm. Thereby the construction height of the floorgrates is not yet considered. With floor-grates, the total construction height adds up for the accessible version to 130mm, for the heavy load gratings to 170 mm.

Advantages:

low installation depth, therefore retrofit able. low noise very low energy consumption very low wearing / tearing, as no metals but only rubber is found in the trust parts, which is known to have a longer durability than metal. very low construction height

Granular Recycling System / Elevator & Seperator

Elevator; The elevator band consists of 5 layers of plastic fabric with screw steel sheet buckets and decay resistant coating. The stretching station and drive engine are placed on the elevator head. The lower-turn roll ensures an overspeed monitoring for a constant display bucket elevator, so the bucket elevator and possibly pre-switched conveyor units stop working when they fail. Wide-scale maintenance openings provide easy access to maintenance work.

Seperator; The sieve with cleaning device is used for reusable and reusable granule or other pollutants (rough foreign objects such as dust particles, microdust, screws). Rough parts, foreign objects are separated. The rough dust particles are filtered and the best dust particles are extracted by the dust collector. Reusable granules are recycled. Elimination can be adjusted. A vibration sieve is mounted to clean the rough particles. The contaminated material that is allocated falls into a container at the bottom through a landing pipe.

Filter for seperator; The small filter is also designed for dust from the seperator. This filter prevents dust from the separator from mixing into granules.

Sandblasting Filtering System

The air absorbed from within the facility is filtered by air ducts designed to the appropriate sizes. The air passing through the filter is thrown from the chimney through a fan.

The critical point in the filtering system is to ensure accurate airflow. For accurate airflow;

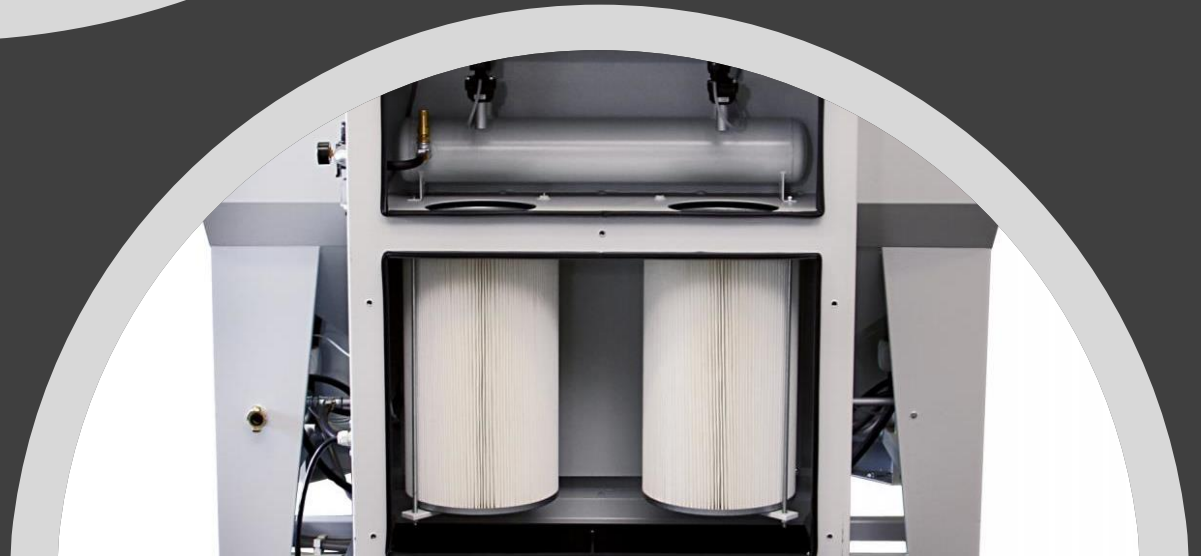
Selecting suitable pressures and flows,

Correct positioning of powder edift seis and fresh air suction vents,

Accurate weather speed calculations

Suitable for granular powder of filters to be used,

There are criteria such as designing the canal system in the appropriate diameters.



Age Paint Plant Filtering Systems

Sapi, filtering systems selection; The chemical structure of the coating material, the quantity material quantity /time values to be used, the volumetile effect of the material to be coated, the physical characteristics of the area to be established, operating costs, environment and occupational health safety, and decides by evaluating the criteria.

After feasibility studies, filtering technique, filter surface area, filter type, fan capacity and the position of filters are decided. Filtering techniques are selected as dry type or juicy type in accordance with the needs.

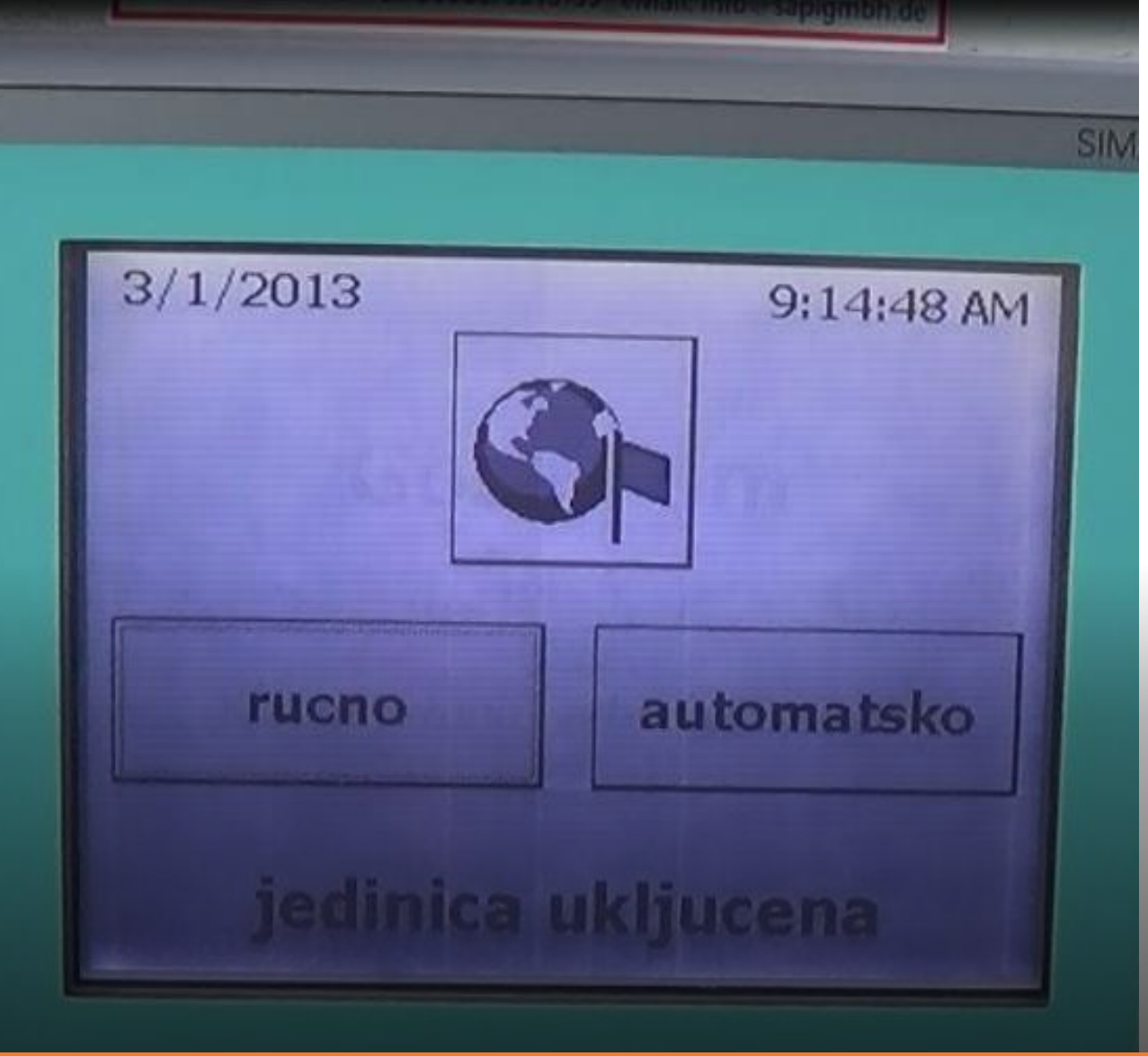
The fans we use in the filtering system are ex-proof and Atex certified.

Heating Systems

In standard applications, the desired temperature values during coating range from 20°C to 25 °C, while in drying it ranges from 60°C to 70 °C. In some special coating applications, these values reach up to 200 °C in drying.

According to the needs; digitally controlled, natural gas, electricity, lpg and lng suitable heating systems.

Heating systems, heating units, the maximum level of security measures are taken for concentrated hazardous gases.



Control Board/ Control Paneli

Premium 200 Recycled Sandblasting Machine

After sandblasting, the abrasive is collected by hand and pushed to the collection funnel on the floor.
The sandblasting machine funneles the sandblasting agent and pulls it out of the cyclone cleaner.
The dust is removed and the grit is collected in the dust tank. Rough particles are separated by a sieve.

The cleaned abrasive air falls back into the sandblasting container and can be reused. It is a very economical and effective solution for blasting work with semi-automatic abrasive recycling.
The fastest shutdown and opening times in which professional associations are complied with regulations. (VBG 48).
The pressure adjustment can be precisely adjusted between 0.1 and 12.0 bar before actual detonation.
The pressure vessel provides lower abrasive consumption as it is permanently under pressure, so there is no unnecessary follow-up of the abrasive.
When restarted, full spray pressure is immediately available in the nozzle, which means significantly less repelling consumption and significantly less wear in the spray hose.
Moisture (condensation) does not occur in the tank as the boiler is under pressure and is not ventilated at every start and stop.
Single-seater work is possible because the jet pressure is continuously shown by tank pressure and can be easily changed in the pressure gauge before it starts.
It is easy to maintain and reliable thanks to fault-resistant device components such as control valves, membranes and gaskets.

Sandblasting Pot

Sandblasting Pot Automatic Valve Group

It is a group of valves that control the sandblasting machine from the handlat.
Includes automatic control valve, air inlet valve and silencer.
Thanks to the special reinforced spring system in the input valve, no dust or any waste material is kept in the valves. This eliminates problems that slow down the operator, such as blockage, air cutting, and ensures uninterrupted application.

Silicium Carbide Venturi Sandblasting Nozzle

Silicon carbide nozzles are special nozzles that offer 1.5 times more wear time and strength than tungsten carbure.

Silicon carbide is among the high-tech ceramic materials that stand out today with its high hardness, low density, high oxidation resistance, thermal conductivity, thermal shock resistance and unchanging tilt strength properties..

MATERIAL CODE	DESCRIPTION
001.3982.060	Sapi 6 mm Silicium Carbide Venturi Sandblasting Nozzle
001.3982.080	Sapi 8 mm Silicium Carbide Venturi Sandblasting Nozzle
001.3982.010	Sapi 10 mm Silicium Carbide Venturi Sandblasting Nozzle
001.3982.011	Sapi 12 mm Silicium Carbide Venturi Sandblasting Nozzle

Boron Carbide Venturi Sandblasting Nozzle

SAPI boron carbide venturi long nozzles are extremely resistant to wear, with a wear time of up to 1,000 hours.

MALZEME KODU	AÇIKLAMA
001.3981.041	Sapi 6 mm Boron Carbide Venturi Sandblasting Nozzle
001.3981.051	Sapi 8 mm Boron Carbide Venturi Sandblasting Nozzle
001.3981.056	Sapi 10 mm Boron Carbide Venturi Sandblasting Nozzle
001.3981.061	Sapi 12 mm Boron Carbide Venturi Sandblasting Nozzle

Boron Carbide Short Sandblasting Nozzle

SAPI boron carbide short sandblasting nozzles are extremely resistant to wear, with a wear time of up to 1,000 hours.

MATERIAL CODE	DESCRIPTION
001.3981.010	Sapi 5 mm Boron Carbide Short Sandblasting Nozzle
001.3981.015	Sapi 6 mm Boron Carbide Short Sandblasting Nozzle
001.3981.025	Sapi 8 mm Boron Carbide Short Sandblasting Nozzle
001.3981.030	Sapi 10 mm Boron Carbide Short Sandblasting Nozzle

Hose Sandblasting Nozzulu

Sapi hose in-hose sandblasting nozzles are suitable for machines that are not used in automatic systems.

MALZEME KODU	AÇIKLAMA
001.3982.200	Sapi 8 mm 32x8 Hose Sandblasting Nozzle
001.3982.205	Sapi 10 mm 32x 8 Hose Sandblasting Nozzle

Sand Blasting Hose

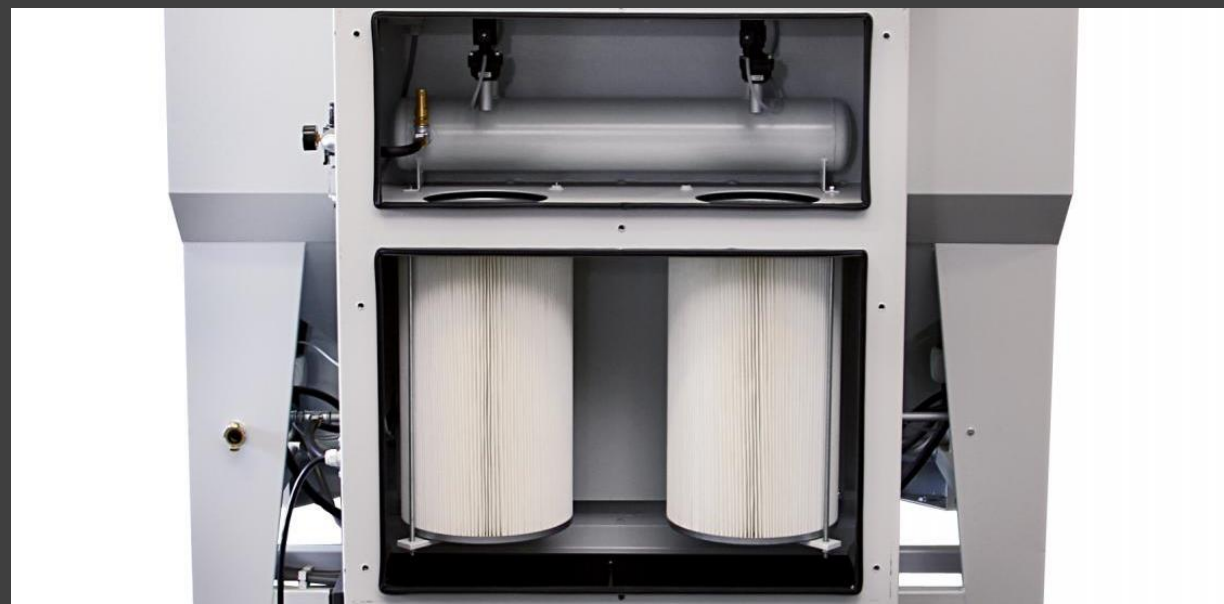
Professional sandblasting hoses with wear are suitable for all common abrasives. Even when using aggressive blasting material, the 1st quality of the hose guarantees a long service life.

HAND SANDBLASTING CABINET| WITH INTEGRATED CARTRIDGE FILTER SYSTEM

SAPI injector sandblast cabinets are made of strong steel sheet and reinforced with profiles when necessary. Sandblasting room floor frame is welded. The abrasive collecting funnel is mounted on the base frame. The 2-leaf front cover can be completely rotated for assembly and maintenance work, the weight is lightened with gas pressure dampers.

20 m² filter area (10 cartridges 10 m² each), automatic filter cleaning with compressed air from a separate pressure vessel. Thanks to the most innovative fan technology with the highest air outlet, only 0.75 kW connected load. Thanks to the directly installed filter system, the cabin is extremely space-saving and mobile.

When designing SAPI sandblasting cabinets, great importance was attached to dust removal of the areas. This is necessary to ensure good visibility in the blast chamber and to obtain minimum residual dust content at the fan outlet. The ventilation air flows through the principle of downstream through the two supply air vents mounted on the cabinet ceiling, flows through the evenly distributed spray chamber, is filled with dust and is extracted from the back of the cabinet through the maze-powered exhaust air hole. Thicker and hence heavier particles fall directly into the collecting container, while fine dust particles are separated in the dust filter. The regulating slide ensures that the fan capacity is constantly adjusted to the required suction capacity in the blasting cabin.



RPB Nova 1 Blasting Helmet

- Tight fill allows the helmet to move with your head
- All fillers can be washed in the machine for hygiene purposes
- Aerodynamic airflow directs air to the air area and prevents the lens from steaming
- Compatible with the optional RPB Nova 1 Talk ™ radio communication system.
- CE certified according to EN271

RPB Nova 3000 Blasting Helmet

The super lightweight, comfortable blasting helmet with adjustable inner filling provides optimum compatibility and noise protection, "only 2200 grams weight" with a nylon jacket is indispensable for professional sandblasting machines. .

The protective mask of the RPB®-Nova 3 ® series combines innovative protective technology with advanced comfort and functionality and even exceeds the strictest industrial standards and requirements of the most demanding companies in terms of quality. Designed to improve safety and productivity and minimize downtime, the helmet offers a variety of functionality that improves life span.

RPB Radex Hava Sehpası Filtresi

Hava Sehpası Filtresi AFC100

RPB Radex Airline Filter

It is an extremely powerful respiratory air filter due to its high filter capacity.

Provides hygienic excellent breathing air during sandblasting and painting through an active carbon filter.

Installation can be done on the floor or wall, including respiratory air regulator and quick connection.

Complies with AS1715, EN12021 and ISO8573.1 standards.

Filters need to be filtered every 3 months at the latest.

RPB Mask Climate (Hot - Cold)

RPB Hot Air Tube

RPB Cold Air Tube

RPB Mask Air Conditioning

It is designed to heat or cool the air we breathe.

It is used as a combined unit that can both heat and cooling and does not require electricity, air conditioning

only works with compressed air.

The air conditioning is connected directly to the air hose of the sandblastmask, using an adjustable strap directly attached to the body.

Suitable for the following protective masks:

ASTRO - NOVA 1- NOVA 2000 -NOVA 3