

Blasting and painting units from one source



Experience in Surface Preparation Technology



View of SLF Head Office in Greven-Reckenfeld.

The **SLF** team has worked together since the early 1990s. Originally founded as Schlick Chemnitz Engineering GmbH, the company has outgrown its original role as a vendor of blasting and coating services to become a supplier of solitary painting and blasting units as well as complete surface treatment lines also comprising pre-treatment systems and conveying technique.

Supported by their agencies the **SLF**'s Head Office in Greven-Reckenfeld as well as the Branch Office in Mühlau near Chemnitz guarantees a local presence to their customers.

Far beyond the local area of Saxony our works for blasting and painting services in Mühlau has gained an excellent reputation as specialized anti-corrosion center.



SLF designs and builds innovative blasting and painting technique for the surface treatment of workpieces. The **SLF** program also includes the conveyor technique. Thus the name of **SLF** stands for

- **Strahlen** = Blasting
- **Lackieren** = Painting
- **Fördern** = Conveying

Blastrooms are designed in sound-absorbing construction, provided with partial or complete grating covering.

Painting units can be delivered either as closed painting cabins or as open-space painting systems.

According to the requirements of our customers the blastrooms and painting cabins can be equipped with travelling sidewall-mounted or mobile lifting platforms.

SLF stands out with its commitment to innovation, thus always providing a blasting and painting technique that meets the state of the art.

The co-operation with their partner AGTOS in Emsdetten, a specialist in turbine-wheel shotblast technology, makes it possible for SLF to provide their customers the complete field of blasting technology.

So-called combined projects, consisting of compressed air and/or turbine-wheel blasting systems with or without painting systems, are now available from a "single source".



View of factory in Mühlau near Chemnitz (Plant engineering and anti-corrosion center).

SLF – Competence for airblast applications

Perfect blasting results

SLF provides solutions for almost all conventional tasks of blasting using the right machine technique, either for blastrooms or for manual or fully automatic blast cabinets.

Competent Service

Service is a HUGE priority with SLF, whether it is by the provision of all necessary spare and wear parts, also for parts of different manufacturers, or by the service of qualified service personnel in case of maintenance and repair works.



Blastroom for large components.



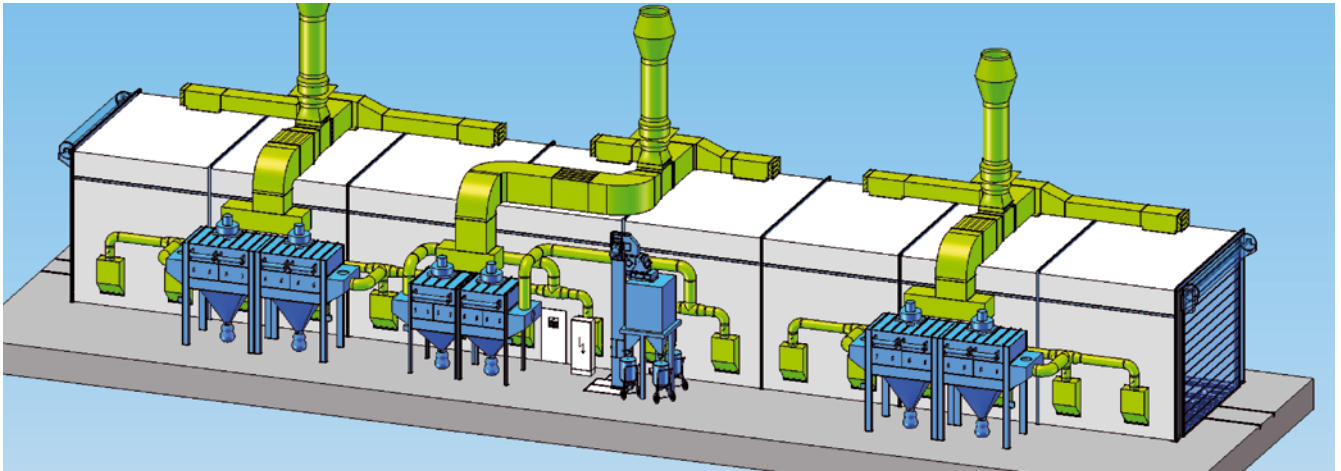
Spare and wear parts for airblast machines of different brands.



Blastroom for ship components of the Meyer Shipyards incl. partial, pneumatic media recovery.



Blast Technique



Planning and engineering of all machines is performed in 3-D. Thus every customer gets an optimal idea of his new machine.

The know-how gained during many years of operating an anti-corrosion center, combined with the experience of professional engineers, allows **SLF** to manufacture blastrooms offering decisive advantages to the operator:

- Two different media recovery systems
 - Pneumatic system
 - Mechanical system
- Cost saving, effective constructions
- Robust, practical equipment
- Innovative workpiece bogies designed as rail-bound bogie or elevating truck
- Filter technique easy to maintain



Blastroom in sound absorbing design for the treatment of towers of wind power plants.
The blasting of high workpieces is possible by means of travelling sidewall-mounted working platforms.



Combined blasting and painting system with integral machine room.

Painting cabins



Combined painting and drying cabin with sectional ventilation by means of long-range nozzles for rotor blades.



High-pressure cleaning room and combined painting and drying cabin with sectional ventilation system for large components.

For the coating of blasted products and components **SLF** provides the necessary painting technique, like e. g. painting cabins, paint dryers, combined painting and drying cabins, powder coating systems or simple paint booths.

Future orientated developments of new products by **SLF** are characterized by the following features:

- High savings of energy (of up to 70%) by means of an automatic sectional air conduction without restrictions of flexibility
- Considerable reduction of the CO₂ emission and conservation of natural resources
- Flexible solutions by providing telescopic painting cabins and dryers
- Considerable savings of operating costs due to the two-stage paint separation systems and smart cleaning/maintenance concepts
- Integration into the material flow respectively production process
- Lifting platforms suitable for the use in painting cabins (see page 7)



Combined painting and drying cabin for railway waggons.



Combined painting and drying cabin with sectional ventilation by means of long-range nozzles for bridge elements.



Combined painting and drying cabin with sectional ventilation system for passenger coaches.

Open-space painting systems

SLF is known for its power of innovation regarding the painting technology by convincing their customers with real-world and energy saving machine solutions.

High flexibility regarding the painting of large components.

Open-space painting systems with long-range nozzles technique are an important product. Being developed by SLF, this system makes it possible to coat even large components in an open hall, without restrictive cabin walls.

The machine technique is characterized by the following features:

- **Energy saving of up to 70 %**
The sectional operation enables a high reduction of the required air capacity.
- **Flexible handling of workpieces**
The use of existing conveyor technique, e. g. by means of existing hall cranes is easily possible.



Open-space painting system for the multi-functional production.

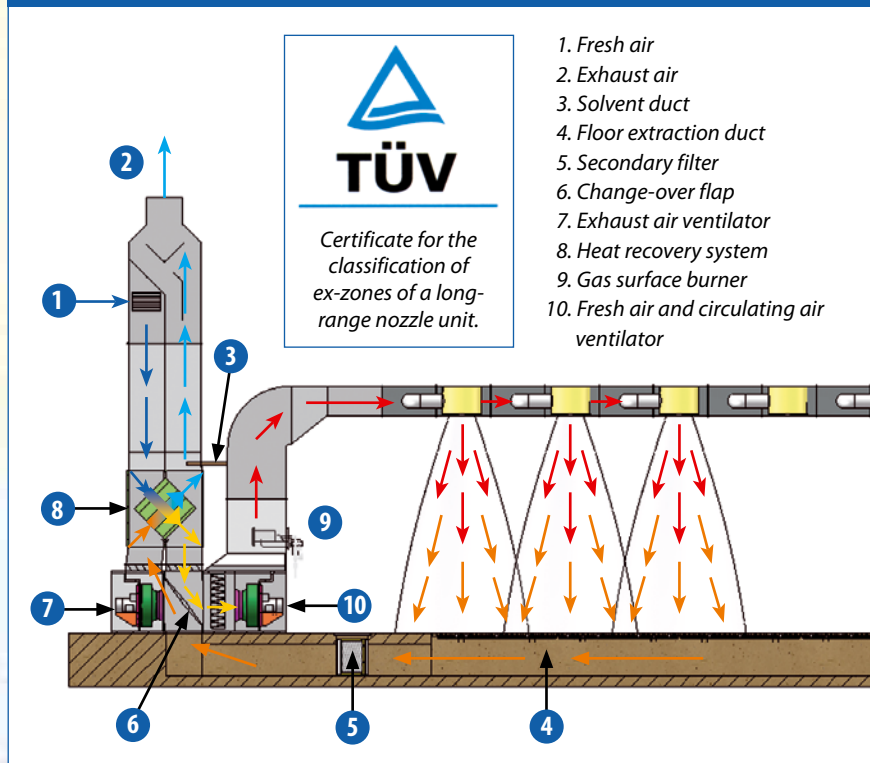


Open-space painting system with telescopic dryer.

- **Reduction of maintenance costs**
The two-stage separation system guarantees a quick change of the filter elements and together with our quick-clean-system it is the basis for a high availability of the machine.

- **Modular design system**
The use of a modular design system makes it possible in most cases to freely configure and expand the quantity, capacity and arrangement of ventilation aggregates, nozzle systems and in-floor equipment.

Flow chart of an open-space painting system



Open-space painting system with long-range nozzles and telescopic dryer.

Lifting platforms



Sidewall lifting platform in a painting cabin for rail cars at Siemens AG Transportation Systems, Krefeld.



Mobile lifting platforms.

The SLF program comprises three different types of lifting platforms:

- **Mobile lifting platforms** with pneumatic lift and drive units. The platforms can be steered and controlled from the work platform itself.
- **Sidewall lifting platforms** for cabin-based applications. Available in swinging and telescopic design, with above-floor drive units in normal and explosion-proof design.

The platforms are type-tested. By the robust, patented cable drive units these platforms are also suitable for blastrooms.

- **3-Axes telescopic platforms:** Working platforms suspended from a gantry crane are also suitable for the use in blastrooms and painting cabins.



3-Axes telescopic platform for processing large components.



Travelling sidewall-mounted scissor-type lifting platforms in a painting cabin.



Mobile, swivelling working platform in a blastroom.

Product Program

Airblast units

- Blastrooms
- Direct pressure and suction type blast cabins
- Automatic direct pressure and suction type blast machines
- Service & spare parts for blast systems

Painting units

- Wet painting units
- Powder coating units
- Open-space painting units with long-range nozzle technology

Heavy-duty transport technology

- Hanger-type conveyor systems
- Roller conveyor systems
- Rail cars for lifting pallets

Lifting platforms

- Mobile lifting platforms
- Sidewall lifting platforms
- 3-Axes telescopic platforms



Blastroom with pneumatic media recovery without foundations.



Painting hall with sidewall scissors-type lifting platform.



Compressed air blastrooms are offered in a variety of sizes.



Heavy-duty rail car.



Passenger bridge for the Dresden Airport, processed at the SLF Anti-Corrosion Center in Mühlau.

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