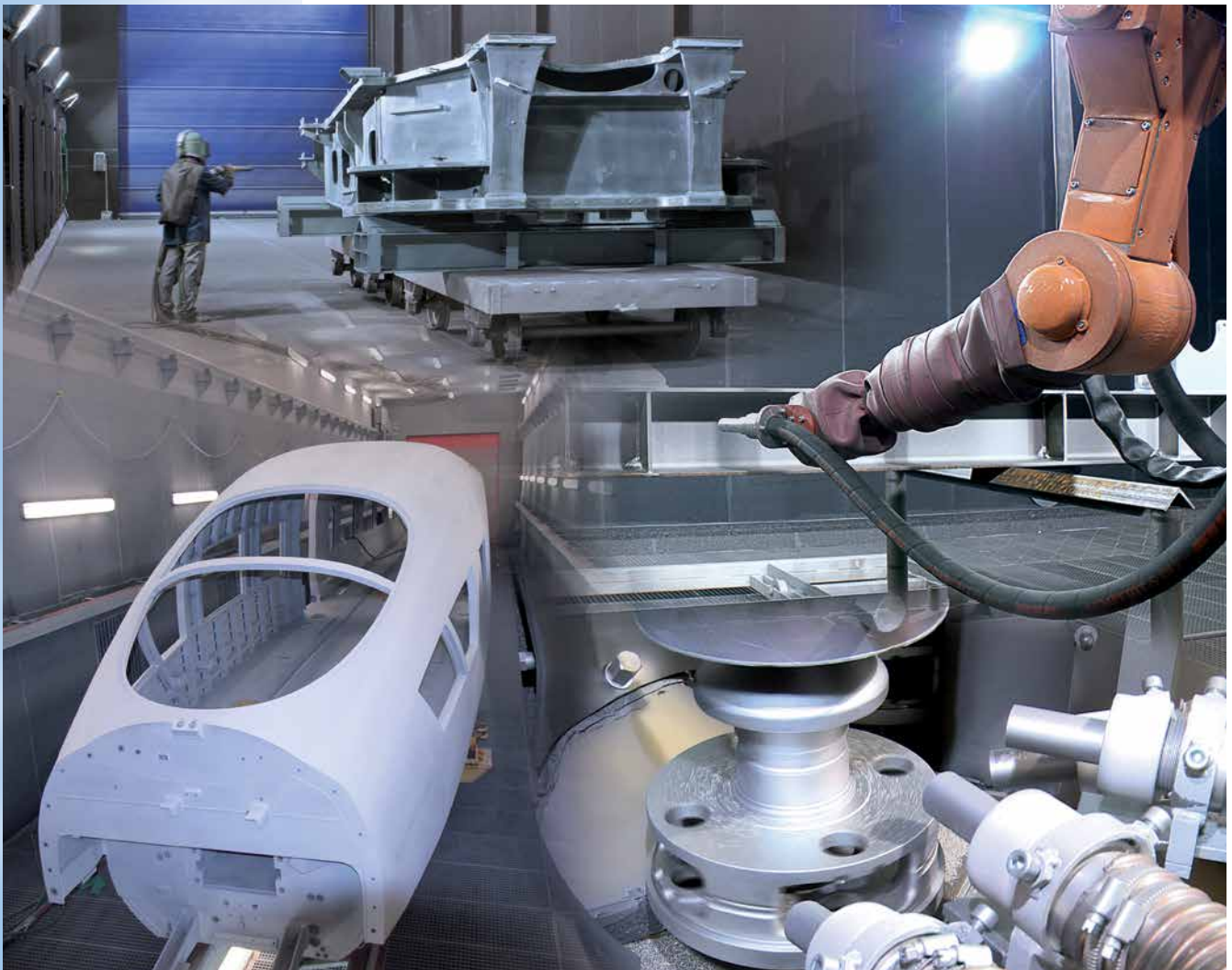


# Blasting plants



- Blasting robots
- Blast rooms
- Automatic blasting systems and hand blasting cabinets
- Lifting platforms

# Innovation is our strong point



Headquarters 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. Meanwhile, more than 100 well-trained employees work in the company.

Our headquarters in Greven-Reckenfeld, the corrosion protection center in Mühlau nearby Chemnitz and our national and international sales partners guarantee the best possible proximity to our customers.

Our Mühlau branch with its contract blasting and painting services has gained an excellent reputation as a specialist in corrosion protection far beyond the local area of Saxony.

We design and build innovative blasting and painting technique for the surface treatment of various work pieces. Our scope of delivery also includes the corresponding conveyor technique. **SLF** thus stands for:

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

## Longtime experience and significant innovations in the field of blasting technology

We are constantly working on the further development and optimization of our plant technology. Thereby our blasting and painting systems are always at the cutting edge in terms of flexibility and efficiency.

**Look and see!**



Blast room for components of wind power plants

The cooperation with our sister company AGTOS Gesellschaft für technische Oberflächensysteme mbH, a specialist in wheelblasting technology, situated in the nearby city of Emsdetten, makes it possible for us to provide our customers the complete field of blasting technology.

Projects which imply compressed air and/or wheelblast systems with or without painting systems for the subsequent coating process are thus available from one single source.



Two identical blast rooms with center-mounted machine room

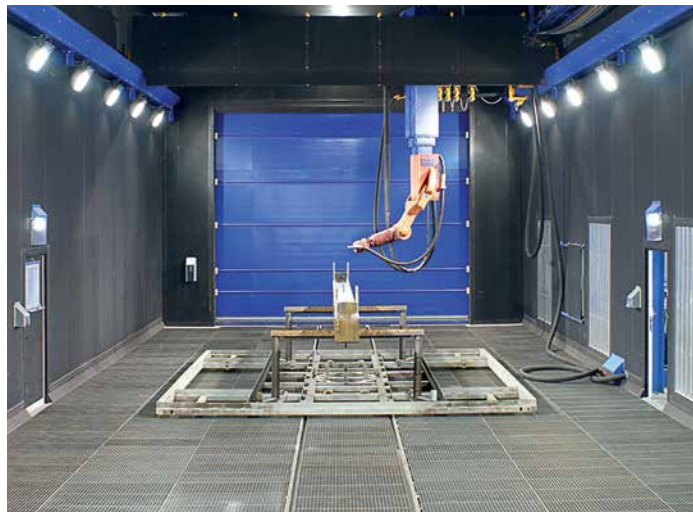
# Automatically faster: The „ReCo-Blaster®“

In order to revolutionize the blasting of large work pieces we have developed the blasting robot „ReCo-Blaster®“. The „ReCo-Blaster®“ represents an economical and efficient alternative to the manual blasting process and sets new standards regarding the humanization of the work place and job safety.

The „ReCo-Blaster®“ can be supplied with a blast room or, under certain circumstances, can be installed into your existing blast room. The handling and programming is effected via a mobile control panel or an air-conditioned cabin which is installed in the blast room and can be moved on four axes.



„ReCo-Blaster®“ for paint stripping of landing gears



Blast room with „ReCo-Blaster®“ for large components and manual blasting of small parts



Automatic blasting of towers for wind power plants

## Other advantages and characteristics of the „ReCo-Blaster®“ at a glance:

- considerably increased surface capacity due to larger blast nozzle diameter and an increased blast pressure
- consistent blast quality and reproducible blasting results
- very high work and process safety
- low-wear design
- optimally protected against ingress of blast media
- ergonomic, air-conditioned, wear-resistant cabin movable on four axes
- robot movable on eight axes
- increased efficiency thanks to teach-mode when blasting serial parts
- The „ReCo-Blaster®“ can be integrated in existing blast rooms.
- all types of abrasive deployable
- humanization of the work place
- intuitive operating system with two joysticks

# Blast rooms – manual and automatic

Regardless of whether you want to blast steel construction parts, wind tower segments, railway vehicles or other large components manually or automatically by means of our „ReCo-Blaster®“ – we plan, manufacture and assemble your blast room according to your requirements and operational needs.

Our blast rooms are equipped with a wear-resistant mechanical abrasive transport unit. Depending on your needs and workflow lamella-type conveyor floors, screw conveyors, troughed-belt conveyors or sweep hoppers can be installed for the transport of the blast media into the reconditioning unit.

In addition, we provide the appropriate conveyor technique for transporting your work pieces or the workers using lifting platforms.



*Blast room for rail vehicles with lifting platforms*



*Blast room with rail-bound transport trolley*



*Blast room with work piece rotating device for wind tower segments*



*Blast room with work piece lifting device for trailers*

## Other advantages and characteristics of our blast rooms at a glance:

- noise-reduced design
- maintenance-friendly concept
- manual blasting possible in robot-equipped blast rooms
- fully or partially grated floor for improved blast media recovery
- all types of abrasive deployable
- mechanical blast media transport
- suitable for use of heavy-duty conveyor technique
- individual adjustment of the filter unit
- simple dust/dirt collection system thanks to integrated big bags or dust bins
- several workers can blast simultaneously thanks to large blast media silos
- low-wear design
- suitable for use of **SLF** lifting platforms
- can be equipped with roll-up or folding doors
- continuous blasting thanks to two-chamber pressure pots
- closed blast media cycle
- very high degree of blast media recovery and recycling and subsequently low follow-up costs for blast media
- crane slot makes charging via hall crane possible
- minimized strain thanks to aimed air ventilation
- summer/winter mode with heated or cooled air supply
- wear-resistant, very bright illumination

# Automatic blasting systems and hand blasting cabinets

For automatic or manual blast cleaning of smaller work pieces as well as for shot peening applications as in e.g. the automotive industry we supply blasting machines or cabinets. Again, we design the respective system in full accordance with your individual requirements and operational needs. We supply, for example, indexing table machines with automatic nozzle guiding and work piece handling or blasting machines for rolls with automatic nozzle guiding.

## Other advantages and features of our automatic blasting systems and hand blasting cabinets at a glance:

- fully monitored system functions
- automatic work piece handling with very high positioning accuracy
- horizontal and vertical nozzle oscillation
- remotely adjustable blast pressure settings with monitoring
- separate blow-off station
- optimum abrasive recycling by wind sifting/screening unit
- low-wear design
- ergonomic design
- amply designed loading doors
- automatic work piece loading and discharging
- automatic nozzle guiding by handling system/robot
- reproducible blast nozzle settings
- blast media dosing function with monitoring
- closed blast media cycle
- blast media silo with level monitoring
- sound-insulated construction for noise reduction
- large maintenance openings
- all types of abrasive deployable



*Hand blast cabinet with pneumatic blast media transport*



*Blasting machine with automatic work piece rotating device and nozzle oscillation for blasting of rolls*



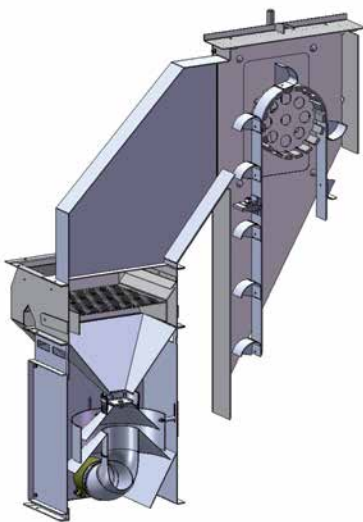
*Shot peening system for planetary carriers with automatic work piece handling*



*Blast cleaning system for planetary carriers with automatic loading and unloading device*

# Details – There is more to them than meets the eye

The use of our high-quality, sophisticated designed system components offers optimum circumstances regarding the durability and maintenance intensity of your system. These are only some examples of components that we use for our blasting systems:



*Example of a two-chamber pressure blasting pot*

The pressure pots which are equipped into our blasting systems offer the possibility of a dust-proof, automatic replenishing function as well as the opportunity to manually adjust the blasting pressure. All pressure pots feature a maintenance opening which simplifies maintenance work as much as possible. Two-chamber pressure blasting pots enable continuous operations without interruption.



*Schematic view and example of a blast media reconditioning unit with wind sifting*

Our wind sifting unit with an upstream coarse material screening unit provides a many times higher separation surface compared to conventional wind sifting units. The unit's wear parts can be easily replaced.



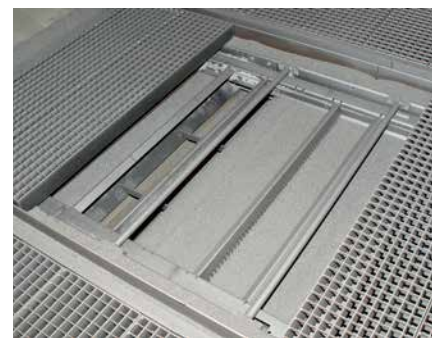
*Example of a cartridge filter unit*

Our cartridge filter unit allows for easy replacement of the cartridge filter without entering the raw gas room.

## Service and spare parts

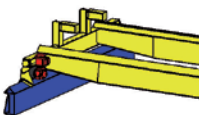
In addition to full or supervisor assembly we do take over the training of your staff in operating your new system. Of course, we ensure your supply with various spare and wear parts for your **SLF** blasting system as well as for systems of other suppliers should you require this. You are always welcome to request our spare and wear parts catalogue or retrieve it via [www.slf.eu](http://www.slf.eu). Please contact our after-sales service staff.

In urgent cases we also offer a **24 hour service hotline**.



*Example of a flat conveying floor*

Our flat conveying floor system allows for a very high abrasive transport capacity thanks to the innovative system with its rubber lips and metal combs. The guiding is effected via a smoothly running and low-noise roller system. A change of the rollers as well as of the rubber lips is easily possible without lifting the whole frame out of the pit.



# Lifting platforms



*Blast room for rail vehicles, equipped with scissor-type lifting platforms*



*Blast room with swivelling platforms for blasting of transformers*

Our lifting platforms are especially designed for usage in our blast rooms and painting cabins. They feature a low-wear design that responds to the high strain during blasting and painting processes. As an example, the drive unit is equipped in the upper area of the lifting platforms and is thus situated outside of the immediate working area. We supply you with lifting platforms that are optimally adapted to your specific requirements.

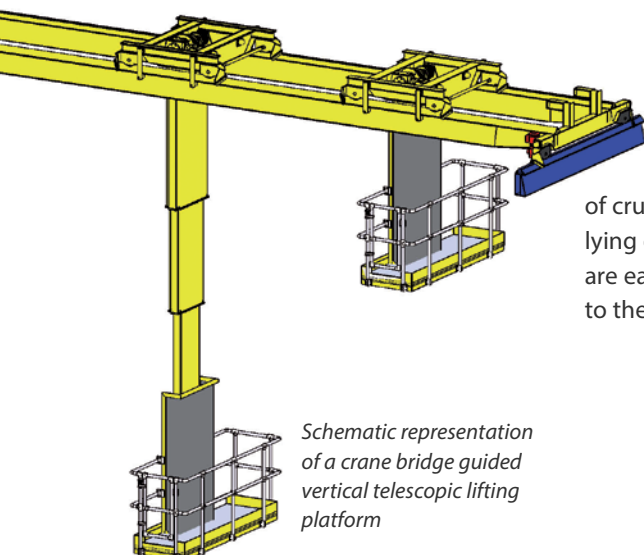
Our scope of delivery comprises:

- mobile lifting platforms
- wall-guided scissor-type and swivelling-type lifting platforms
- crane bridge guided vertical telescopic lifting platforms

Our sidewall-guided lifting platforms are available as scissor-type and swivelling models and are all movable on three axes. If required, our platforms can be equipped with manipulators in order to facilitate contour-controlled air blasting operations corresponding to the platform's movement.



*Blast room for blasting of rail vehicles with swivelling platforms*



*Schematic representation of a crane bridge guided vertical telescopic lifting platform*

Thanks to the platform's construction without contact to the blast room's floor a full-floor recovery is still possible. Additionally, there is no risk of crushing cables or hoses which are lying on the ground, the escape doors are easily accessible at all times thanks to the platform's design.



*Blast room with scissor-type lifting platforms*

# Range of products and services



## Air blasting systems

- Blast rooms
- Automatic pressure-type and suction-type blasting systems
- Blasting robots
- Manual blasting cabinets
- Service & spare parts

## Heavy-duty conveyor technique

- Hanger-type conveyor
- Roller conveyor systems
- Rail-bound transport trolley with lifting pallet

## Paint spraying systems

- Wet painting systems
- Open-space paint spraying systems
- High-pressure cleaning cabins
- Powder coating cabins
- Paint dryers & powder coat enamelling furnaces

## Lifting platforms

- Mobile lifting platforms
- Wall-guided scissor-type and swivelling-type lifting platforms
- Crane bridge guided vertical telescopic lifting platforms

## Corrosion protection services (Mühlau)

- Contract blasting
- Contract coating



24-hours service-hotline:  
+49(0)2575 97193-88

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