



the art of
innovation

customized
equipment

HIGH-TECH PAINTING SYSTEMS AND TECHNOLOGY

SEHON
surface technology



RICH CONTENTS.

OUR REFERENCES.

3. OUR REFERENCES

4. THE COMPANY

- 6. Leading the way for over 40 years
- 7. Qualität made in Germany
- 8. Definitely the best choice
- 10. From consulting to after-sales service
- 11. Keeping the business running - Service
- 12. Holistic energy management
- 13. Energy concepts and solutions
- 14. Efficient energy supply
- 16. Heat and electricity for the entire operation
- 18. Workflow and process planning
- 19. Perfect down to the smallest detail - R&D
- 20. Milestones 1996 to 2024 - Innovations

22. OUR PRODUCTS

- 24. Painting systems for vehicles
- 28. Painting systems for large vehicles
- 29. Painting systems for industry and trade
- 30. Aggregate technology
- 32. Paint booth for all situations (MOVE)
- 33. Minor damage repair - spot repair
- 34. Time and cost-saving refinishing
- 35. For more capacity and throughput - SE-MULTISTAR
- 36. Perfectly equipped - preparation stations
- 37. Value-added products
- 38. Perfectly organized - supply terminals
- 40. th POWERLIFTER lifting platforms
- 42. the AIRCOMMANDER® - Application technology

44. CAMELEON SYSTEMS

- Car body workstations - multi-material
- Bodywork workstations - electric vehicles
- Workshop equipment - Safety technology
- 52. SE-HYDROPLUS humidification system
- 53. SE-MOVE IT transport and maneuvering system

54. YOUR ADVANTAGES AT A GLANCE

55. YOUR CONTACT TO US



Gender note
 reasons of better readability, the masculine form (generic masculine) is primarily used for personal names and personal nouns in this catalog. Corresponding terms apply to all genders in the interests of equal treatment. The abbreviated form is for editorial reasons only and does not imply any judgment.

ON THE SAFE SIDE WITH SEHON!
 SEHON painting systems already comply with the new planned legal standards, regulations and requirements, e.g. for paint booths, universal Preparation stations and multifunctional cabins.
 - Future security included.

OVER 3000 SATISFIED CUSTOMERS.

SEHON leaves nothing to chance. – We offer first-class services from a single source: expert advice, detailed planning and design, tried-and-tested cutting-edge technology, perfect assembly and exemplary after-sales service. Our customers include industrial companies, car manufacturers, paint manufacturers, body and paint stores, car dealerships, garages, workshops, tradesmen, authorities and associations.

SEHON impresses with individual and customized solutions. Optimally tailored to all operational requirements and wishes. Sustainable and processoriented.
 - Top performance made in Germany.

We achieve a customer satisfaction rate of over 97%. That's why we are highly recommended. Ask us for references on new builds, conversions and modernizations.

Paint and body stores



Industrial and surface technology



Paint manufacturer



Automotive OEM



New construction, modernization, expansion and conversion. SEHON is highly recommended. Simply request references and reference projects..



SEHON THE COMPANY..

For over 40 years, we have been one of the leading Manufacturer of innovative high-tech painting systems and spray booths for industry and trade.



Stefanie and Tiemo Sehon.

A LEADER FOR OVER 40 YEARS.

FUTURE-PROOF | SERVICE-ORIENTED | ENVIRONMENTALLY CONSCIOUS

SEHON DEVELOPS,
PLANS AND BUILDS
CUSTOMIZED
PAINTING SYSTEMS
OF ANY EQUIPMENT
AND SIZE. -
PERFECT AND
RELIABLE.

SEHON has been over 40 years one of the leading manufacturers of innovative hightech painting systems and spray booths for industry and trade. We develop, plan and build customized painting systems of any equipment and size.

These include painting systems for surface technology, industry and production as well as paint booths for cars, trucks, commercial vehicles, buses, rail, watercraft and aircraft.

Our customers receive complete solutions from a single source - from qualified advice, detailed planning, needs-based product selection and on-time installation through to perfect after-sales service. Sustainability, energy savings and perfect processes included.

Over 3,000 satisfied customers from industry and trade rely on the SEHON brand.

Are you planning a new build, conversion, modernization or expansion of your paint store?

Just give us a call!
Yours sincerely, Tiemo Sehon

ON THE SAFE SIDE WITH SEHON!
SEHON painting systems already comply with the new planned legal standards, regulations and requirements, e.g. for paint booths, universal Preparation stations and multifunctional cabins.
-Future security included.



SEHON-QUALITY.

IT COULDN'T BE BETTER. MADE IN GERMANY.

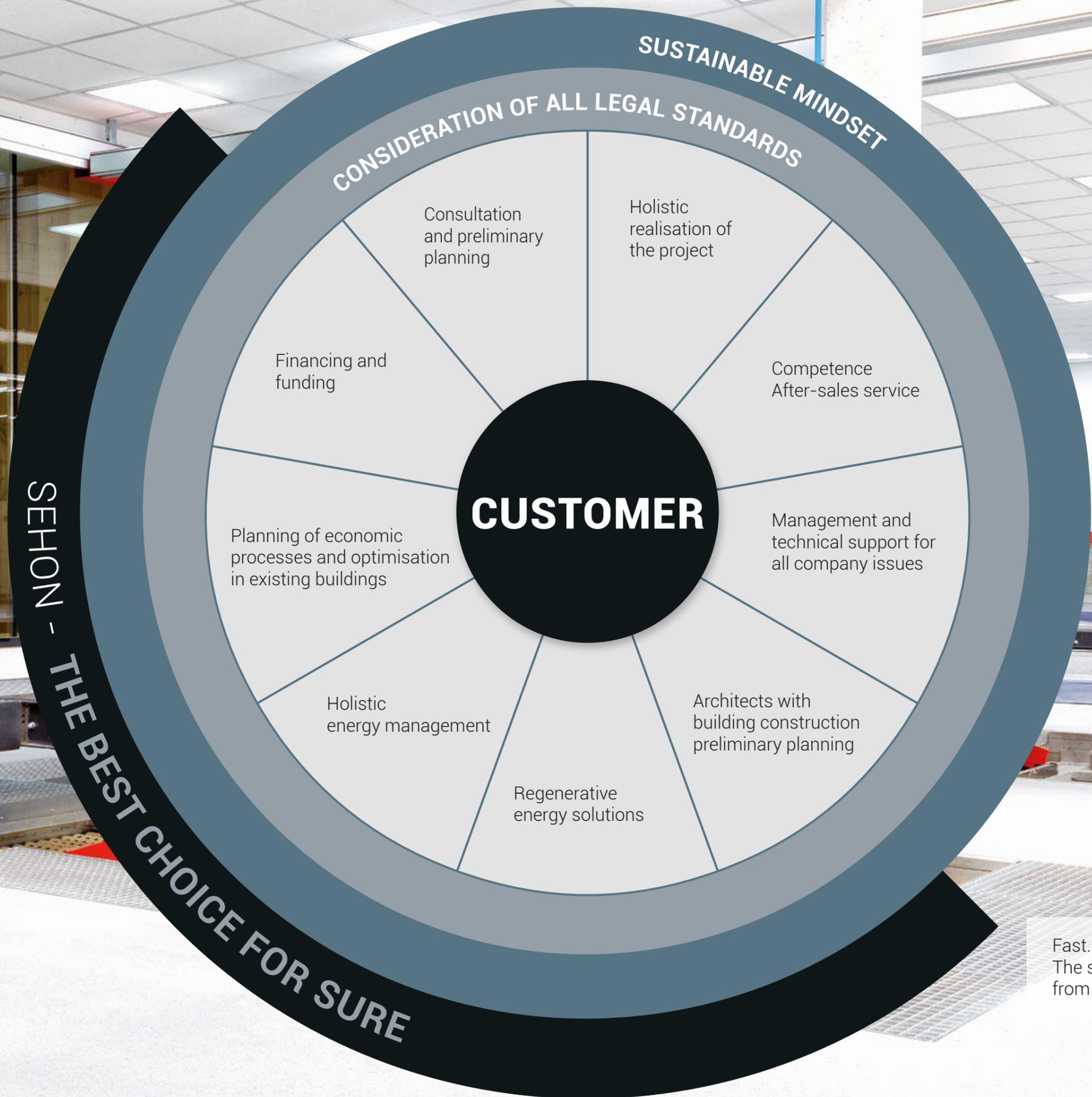
Quality is the most important reason, for choosing SEHON painting systems. Several thousand satisfied customers can confirm this. We make no compromises.

A painting system is an investment for the next 20 years and longer. It is therefore all the more important that you receive painting systems and painting technology from us that you can rely on in the long term. This is ensured by over 40 years of expertise and experience, future-proof cutting-edge technology made in Germany and an outstanding after-sales service.

Customers like to buy from SEHON, because we provide transparent and individual advice, calculations and planning in advance. Because we guarantee individuality instead of standard.

Your advantage:
Quality at the best price-performance ratio.





Fast. Clean. Comprehensive.
The services and solutions
from SEHON for you.



FROM THE CONSULTATION TO THE AFTER-SALES SERVICE.

TO KEEP THE BUSINESS RUNNING.

EVERYTHING FROM A SINGLE SOURCE.

On the safe side with SEHON

New builds, conversions, extensions and modernizations require a competent and experienced partner who can meet your individual wishes and requirements in an innovative and needs-based manner. Comprehensive and from a single source.

Customers appreciate SEHON's unique, future-proof technology, customized, practice-oriented solutions, professional and comprehensive advice, detailed planning and development, perfect installation and fast, reliable after-sales service with customer service, maintenance and spare parts supply.

This comprehensive service package leads to **enormous customer satisfaction** and absolute investment and future security for SEHON customers.

Ein **perfect full service** for our customers in an allround carefree package is an essential part of the SEHON brand.



Development and construction.



Customer service.

SERVICE | CUSTOMER SERVICE | MAINTENANCE

Service

Regular service and professional maintenance guarantee operational safety and trouble-free painting operations. The fact that SEHON works with its own in-house maintenance, service and installation team, i.e. is not reliant on external service providers, has proven its worth.

Online service

SEHON has been offering an online service for paint booths since 1999, which reports possible malfunctions directly to the SEHON headquarters in a matter of seconds. This means that a large proportion of possible malfunctions can be rectified promptly without the need for a maintenance team on site.

Maintenance

At SEHON, the professional maintenance of a paint booth comprises up to 50 maintenance points, depending on the technical equipment, which are specifically processed and monitored. Any defects are reported and rectified. Maintenance contracts are available for SEHON systems as well as for systems from other suppliers.



Support.



Spare parts supply.



Own assembly and service team.



Energy management for the entire company.



Modern energy center with CHP EMS-controlled heat and power generation.



WHOLE ENERGY MANAGEMENT.

ENERGY OPTIMIZATION | ENERGY SAVING

SEHON painting systems are the **perfect symbiosis of high-tech and green technology**. SEHON technology can reduce the energy consumption of painting booths by up to 60 percent and more. This is made possible by innovative unit and control technology with a number of unique features.

These include, for example, the integration of CHP, photovoltaics, solar thermal energy and geothermal energy, highly effective year-round heat recovery, a perfect filter system, unique energy-saving modules with bypass technology, fully automatic cabin air output control in all operating modes and a fully automatic air pressure regulation system for consistent quality during painting, standby and drying.

Protection of nature and the environment

State-of-the-art system technology with particle-free exhaust air and integrated green technology not only ensure the best possible painting quality and high efficiency, but also maximum protection of nature and the environment.

Saving energy throughout the company

SEHON goes one step further in energy management.

has gone a decisive step further and expanded its activities to include the holistic optimization of energy consumption in paint stores. To this end, special control systems and coordinated products are used for the optimal interaction of several energy generators and energy consumers in process and building technology.

This **saves paint stores up to 60 percent** of their total operating energy costs, as only a minimal proportion of the total energy needs to be purchased. The majority of the energy is produced in-house, used several times, operates the technical systems and heats connected rooms and buildings.

Energy management system (EMS)

EMS enables total transparency, cost control and management of the entire energy consumption. Due to the enormous energy efficiency of SEHON technology, state subsidy programs are usually available for energy-saving measures and their financing. System-related or holistic energy optimization and modernization are not only possible for SEHON systems, but also for existing systems from other providers.

ENERGY CONCEPTS AND SOLUTIONS.

RANGE OF SERVICES FOR BODY AND PAINT STORES.

SEHON is the leading company for customized energy concepts, energy saving, energy optimization, energy refurbishment and sustainability in K&L operations.

We offer a unique range of products and services for almost all requirements and wishes in the construction, conversion and modernization of painting systems and painting operations as a whole.

SEHON has been focusing on **energy-saving painting systems and painting technology** for decades. This is why SEHON systems are traditionally regarded as energy-saving world champions, saving up to 80 % or more energy than comparable standard systems without significant energy-saving technology.

Energy-saving unit technology, year-round heat recovery with consistently high efficiency, highly effective energy-saving modules, operating modedependent energy management, perfect filter The integration of regenerative and alternative forms of energy and intel-

ligent controls are just some of the features that make customers opt for quality and sustainability made by SEHON.

Based on the symbiosis of **high-tech and green technology in plant engineering**, we have continuously developed the efficient and energysaving energy supply of paint stores with our system partners. Today, we offer heat and power solutions for the entire operation (process systems, hall areas, office areas). Energysaving and sustainable up to complete energy self-sufficiency.

To this end, we offer a complete service that includes an initial consultation, an inventory, the creation of an innovative energy concept, an economic calculation, obtaining approvals, the coordination of peripheral trades, the installation of the new energy center, operator training, system



EFFICIENT ENERGY SUPPLY.

CONVENTIONAL SYSTEM

Oil/gas direct firing heats paint shop supply air

100% electricity purchased from the public grid

DISADVANTAGES

- High electricity costs
- High heat loss
- No control for energy optimization
- No heat supply for heating buildings
- No integration of renewable energies possible
- No subsidies possible
- No savings possible
- No amortization period



Oil/gas - direct firing in the air flow



Purchase of electricity from power plant

INNOVATIVE SYSTEM

Heating coil heats paint shop supply air

Heat generation by CHP unit and peak load boiler

Electricity production through CHP

Energy management system controls all energy processes

ADVANTAGES

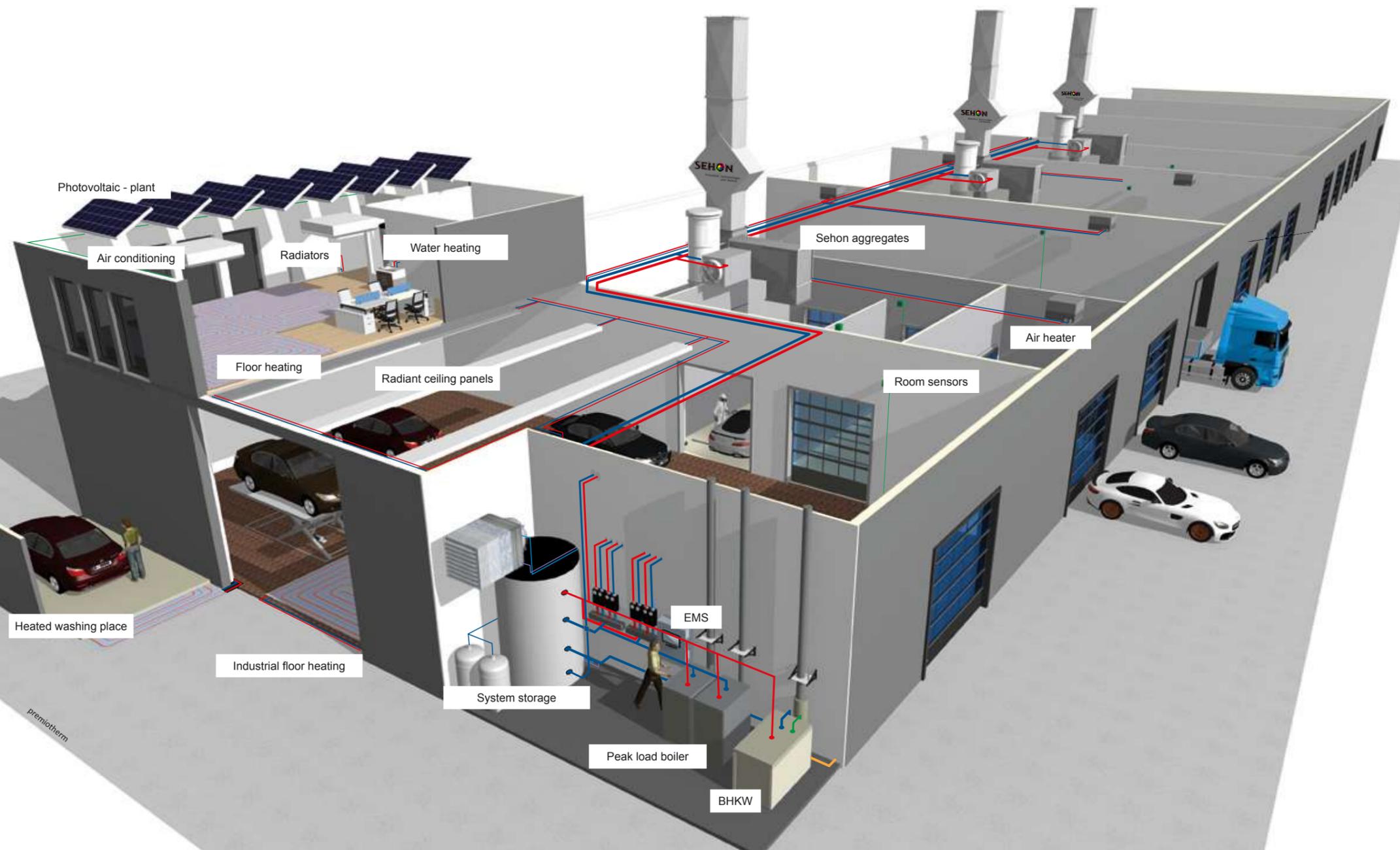
- Low electricity costs
- Minimal heat loss
- Energy optimization through energy management system
- Complete heat supply for heating buildings
- Integration of additional renewable energies possible
- High savings possible
- Short amortization period



OTHER ENERGY PRODUCERS:

- Highperformance heat pumps
- Pellet heaters
- Wood chip plants
- Photovoltaics

HEAT AND POWER FOR THE ENTIRE OPERATION.



ENERGY SUPPLY FOR...

PROCESS PLANTS

- Painting and drying lines
- Preparation areas

HALL AREAS

- Industrial floor heating
- Radiant ceiling panels
- Air heaters

OFFICE AREA

- Floor heating
- Radiators
- Air conditioners

ADVANTAGES

- Heat generation by CHP unit and peak load boiler
- Electricity production by CHP
- Energy management system steers all energy processes
- Low electricity costs
- No loss of warmth
- Energy optimization, thanks to energy management system
- Complete heat supply for building heating

system partner:





WORKFLOW – PROCESS PLANNING.

PERFECT DOWN TO THE SMALLEST DETAIL.

PROCESS PLANNING | ECONOMIC EFFICIENCY

Perfect processes enable an effective workflow, high throughput speeds (throughput) and maximum efficiency.

It is therefore particularly important to plan not only the individual workstations but also the entire process chain perfectly, **especially when building a new building. However, the workflow can also be optimized during modernization, expansion and conversion.** In a paint and body store, the main processes and work steps (preparation - masking - painting - drying - finish) must be very well coordinated. This not only avoids shunting and waiting times.

In addition to the structural measures, the individual workstations, machines and systems must also be equipped in such a way that the work on the vehicles can be carried out quickly and to a high quality.

Examples include perfectly equipped universal preparation workstations, masking workstations, multifunctional workstations and cabins, finishing workstations and bodywork workstations for a wide range of materials and electric vehicles. Supplemented by intelligent products such as the Aircommander®, central supply terminals or the digital spare parts supply.

RESEARCH | DEVELOPMENT | DESIGN | ENGINEERING



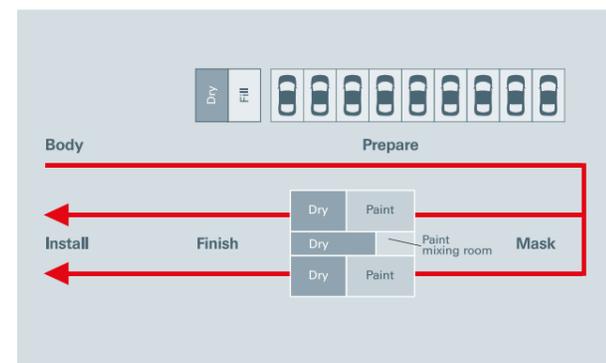
Future-proof, innovative technologies in our systems and products guarantee your business top quality, maximum efficiency and cost-effectiveness, maximum sustainability and perfect processes.

SEHON offers you unique painting technology at an excellent price-performance ratio. Tailored to your individual requirements.

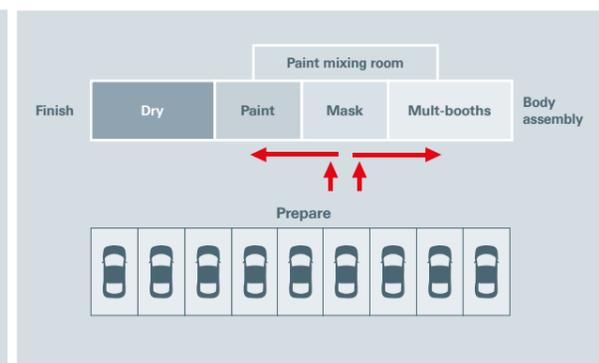
Year after year, SEHON creates milestones in painting system technology.

Individual high-end manufacture instead of average and standard.

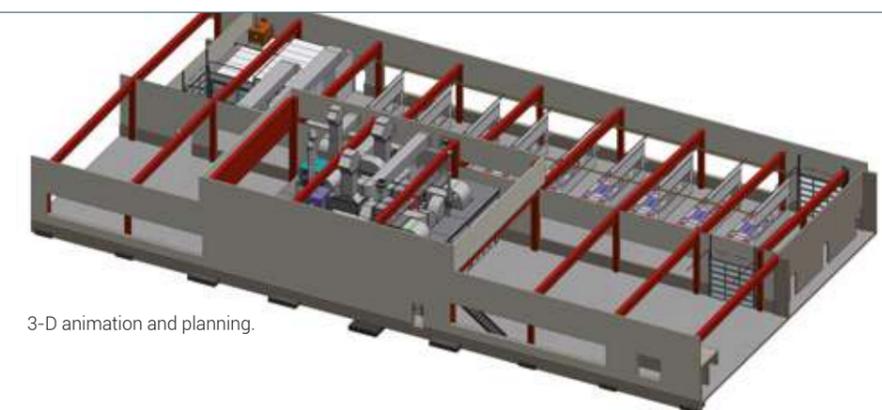
This is ensured by SEHON Engineering, one of the leading competence centers for research, development and design of innovative high-tech painting systems.



Workflow with industrial-style production lines.



Workflow with masking and two multifunctional booths.



3-D animation and planning.



MILESTONES 1996 TO 2024.

INNOVATIVE RESEARCH AND DEVELOPMENT.

2024

E-MOBILITY - CAMELEON SYSTEMS

The world's only comprehensive product range for safe body repair and the safe handling of electric vehicles in workshops and car dealerships, including the appropriate tools and accessories as well as the necessary safety technology. CAMELEON workstations not only meet all safety requirements in Germany and Europe, but also the even stricter requirements in the USA. Homepage: www.cameleon-systems.com

2022

CAMELEON ECONOMY AND CAMELEON E-STATION

Expansion of the CAMELEON bodyshop workstation range with modular and flexibly configurable single or multiuser solutions, including for electric cars. Customized and needs-based solutions for sustainability, efficiency and health protection with additional safety features. See also 2017 CAMELEON PREMIUM..

SE-HYDROPLUS First air treatment system with microhumidification in paint booths that can also be retrofitted, controllable and monitored: Dust binding in paint booths, cooling function and antistatic effect. For quality improvements and less finishing work. - Patent pending

SE-MOVE-IT Modern transport system for convenient and emission-free maneuvering of vehicles in workshops and body and paint stores. Longitudinal and transverse movement possible. - Patent pending

2019

POWERLIFTER Powerful and versatile SEHON lifting platform range for body and paint shops, workshops and repair shops.

2018

SE-PROFESSIONAL MOVE First mobile high-tech spray booth with dryer in SEHON quality for indoor and outdoor use. As a replacement for paint stores when paint booths are unavailable, e.g. due to conversion and modernization, or as a mobile booth solution in the event of capacity bottlenecks..

2017

CAMELEON PREMIUM High-end body work stations for steel, aluminum and carbon for all necessary body work on car and van bodies in mixed constructions. Utility model 20 2017 101 871 - Meets all occupational health and safety requirements for bodywork workstations with different materials and mixed construction methods for car bodies. - Range extension: see 2022 ECONOMY and E-STATION.

2016

SE-ENERGIE-MANAGEMENT PLUS Holistic Innovative heat and power system for the entire body and paint store. Intelligent energy supply, energy management system (EMS) and energy monitoring for the entire operation including paint shop and technical equipment, hall areas and office areas. Significant energy savings of up to 80% and more, up to complete energy self-sufficiency. State subsidies! - Expansion of SE-ENERGY-MANAGEMENT see also 2014.

SE-INSPECTOR special lighting and light walls for quality control in the finishing area.

2014

SE-ENERGIE-MANAGEMENT Energy-saving and energy management system (EMS) for paint shops and dryers in conjunction with CHP units. Integration of photovoltaics, solar thermal energy, pellets, wood chips and other renewable energy sources..

Energy savings of up to 80 % and more. Government funding. - Expansion of the system to the entire company see 2016.1

LED LIGHTING in paint booths, dryers, preparation stations and paint mixing rooms.

THE FIRST FULLY LAMINAR, VORTEX-FREE AIR-FEED RUNG in manual paint shops for car body and bodywork Parts. For more efficiency and sustainability.

SE SUPPLY TERMINALS Connections and control of electrics, pneumatics and sanding dust extraction in a central supply unit. For ergonomic, fast and economical work at preparation, finishing and body work stations.

SE-ÖCOPLUS NT Further development of the successful SE-ÖCOPLUS energy-saving system. Fully automatic pressure control now also in dry mode.

2013

SE-ECO-DRY First drying cabins / dryers with heat recovery (HR).

2012

MULTI-SPEED-MASTER® First professional spot repair workstation for fast and cost-effective vehicle repairs for minor damage.

INFRARED PORTAL DRYER Integration of additional IR drying in paint booths. Successfully put into practice for the first time by SEHON in body and paint stores.

2010

SE-ÖCOTOP Highly efficient and energy-saving aggregate technology for all operating modes with integrated allseason heat recovery SE-NONSTOP-PLUS. Pressure fluctuation-free operating mode switching.

SE-NONSTOP-PLUS Unique energy-efficient heat recovery (WRG) as a year-round system with optimum pre-filtering of the exhaust air. Also active in drying mode. Automatic switching to the perfect operating mode depending on the outside temperature. No summer cassettes necessary.

SE-SUPRACLEAN Intelligent filter technology with perfectly coordinated filter stages. 100% filtering of the exhaust air, no cleaning of the units and heat recovery necessary, thus permanently and permanently ensuring the efficiency of the heat recovery system. Air quality far below the permissible values.

2008

SE-MULTISTAR The original from SEHON. The first professional multifunctional workstations and booths for time- and cost-saving refinishing. All-in-one workstations for preparation, painting and drying at one workstation without maneuvering vehicles between several workstations.

2007

SE-CLEANSTEP First cleanroom concept for cleaning and masking work outside the paint booth.

2006

SE-REVOLUTION First UV coating and drying booth at the speed of light.

2004

SE-FUTURA SEHON third generation painting system. Successful symbiosis of all SEHON components and quality modules to create a functional high-tech solution.

2002

SE-AIRMASTER Frequency-controlled, fully automatic air management with savings in heating and electrical energy.

2000

SE-AIRPLUS Patented, time-saving flash-off and drying system developed for water-based and top coats. German patent 199 12 361.09

1999

SE-PROFESSIONAL SEHON second-generation painting system with modern touchscreen control and the first online service for paint booths.

1998

SE-ÖCOPLUS First intelligent energy-saving system that leads to cost savings in paint shops while increasing productivity.

1997

SE-CONTROL First fully automatic air pressure regulation system for maximum safety and quality.

1996

SE-SLT 25N First SEHON brand premium painting system.



OUR
PURODUCTS.

Cutting-edge technology in a class of its own: Leading. Unique. Sustainable. Legally compliant. Economical. Practiceoriented. Future-proof. - Simply work better with SEHON.



High-tech painting systems for the complete process chain (preparation-masking-painting-drying-finishing).



FOR VEHICLES.

PAINTING SYSTEMS AND DRYERS / POST-REACTION ROOMS



Paint booths in line with cross transfer.



High-end paint booths for special OEM paintwork.



Maneuvering made easy. Cross-shift technology.

SEHON builds paint shops for **cars, vans, motorhomes, trucks, buses, rail vehicles, watercraft and aircraft.**

SEHON painting systems and dryers are absolute high-tech systems in premium quality. In different price categories and with different equipment. The perfect symbiosis of **innovative technology and green technology** makes SEHON vehicle painting systems unique.

Incomparable quality, economy and energy efficiency. Future-proof, sustainable and environmentally friendly.

Painting systems and painting technology from the SEHON brand are customized solutions, adapted to the needs and requirements of each individual customer.

No other paint booth manufacturer has a comparable range of expertise, services and technology.

With our own staff in research, development, design, assembly and service.

On the safe side with SEHON.





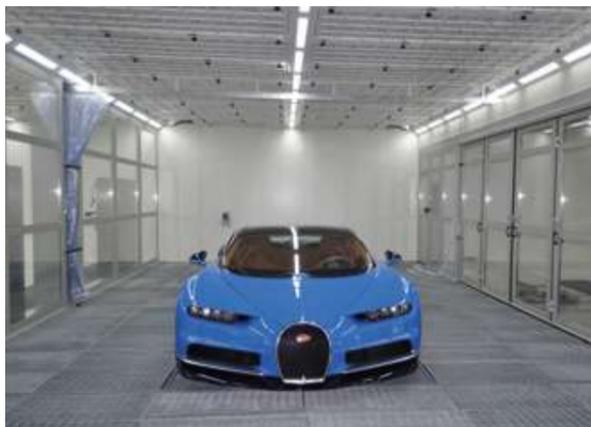
Gates/doors. Optional: electrically/pneumatically operated.

FOR VEHICLES.

PAINTING SYSTEMS AND DRYERS / POST-REACTION ROOMS



Perfectly coordinated filter systems. Fully laminar air flow. LED lighting.



XXL cabins with fully linear air flow for top quality.



Customized process- and energy-optimized painting systems.



Customized system technology for every size of business.



Safe and ergonomic working - even in the paint booth.



SE-AIRPLUS exhaust system.



Intuitive touch panel control and online service.



Energy-optimized painting systems for trucks.

FOR LARGE VEHICLES.

PAINTING SYSTEMS XXL



Spot repair for the maintenance of large vehicles.



Buses, construction machinery, motorhomes and vans.



FOR INDUSTRY AND TRADE.

INDUSTRIAL PAINTING SYSTEMS | PAINT BOOTHS SURFACE TECHNOLOGY

SEHON offers **intelligent and perfect painting and drying systems** for almost every industrial requirement. In an all-round carefree package: individually planned, delicately designed and reliably implemented.

SEHON supplies **energy and process-optimized powder and wet coating systems** in premium quality. Customized in equipment, size and function - reliably and precisely adapted and integrated to the requirements of production.



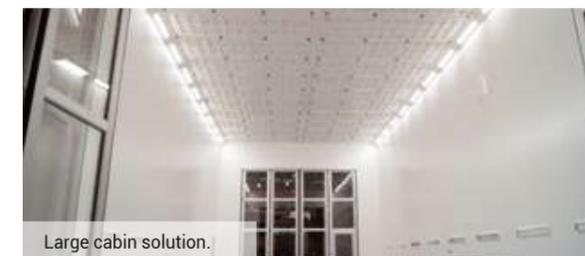
Internal manual overhead conveyor.



Energy-optimized high-tech paint booths for surface technology.



Fully automated powder coating system.



Large cabin solution.

These include individual solutions and complex production lines with pre-treatment zones, sandblasting booths, painting booths, curing ovens, dryers, cooling areas as well as exhaust air and evaporation zones. Equipped with suitable conveyor systems such as overhead conveyors, floor and floor conveyors, lifting and lowering stations. Manual or fully automatic.



Space-saving concept for the unit room on the 2nd floor of the building.

AGGREGATE-TECHNOLOGY.

SE-ÖCOTOP | SE-NONSTOP-PLUS | SE-SUPRACLEAN | SE-ÖCOPLUS

SE-ÖCOTOP

A highly efficient, energy-saving unit with integrated SE-NONSTOP- PLUS heat recovery, active in all three operating modes (painting, flash-off, drying). Pressure fluctuation-free operating mode changeover.

SE-NONSTOP-PLUS

Unique energy-efficient heat recovery technology (HR) as a year-round system with optimum prefiltration of the exhaust air. Heat recovery also active in dry mode! Automatic switching to the perfect operating mode depending on the outside temperature. Summer cassettes no longer necessary.



SE-Öcotop - Highly efficient top-of-the-range unit for excellent Painting and drying results with minimum energy consumption.

SE-SUPRACLEAN

Filter system with perfectly matched filter stages and 99% filtering of the exhaust air, no cleaning of the units and heat recovery necessary - ensuring system-long efficiency. Fewer filter changes.

SE-ÖCOPLUS

Intelligent, patented energy-saving system that leads to a considerable reduction in costs and a simultaneous increase in productivity in painting systems.



Large rotary heat exchanger with very high efficiency



AGGREGATE-TECHNOLOGY.

CUTTING-EDGE TECHNOLOGY SE-CONTROL | SE-AIRMASTER | SE-AIRPLUS

SE-CONTROL

First fully automatic air pressure regulation system for maximum safety and quality in all processes.

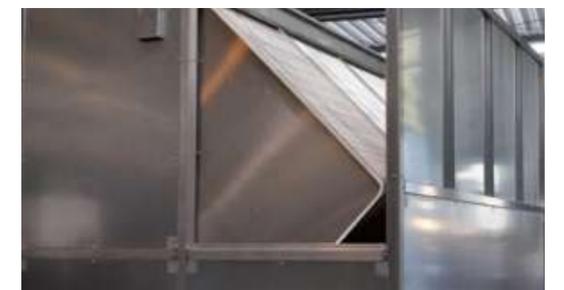
SE-AIRMASTER

Frequency-controlled, fully automatic air management to save heating and electrical energy.

SE-AIRPLUS

Patented, time-saving flash-off and drying system specially developed for water-based and top coats.

Aggregate technology from SEHON is unique. The perfect interplay of the individual high-tech modules, features and functions guarantees the best possible painting results with minimal energy consumption. Green technology and future-proofing included.



View inside a heat recovery system. Permanently clean and efficient thanks to perfect exhaust air filtration.



Intuitive touch-panel control and online service.



Assembly and disassembly of the paint booth in one day!

SPRAY BOOTH FOR ALL CASES: SE-PROFESSIONAL MOVE.

HIGH-QUALITY PAINTING WITHIN 24 HOURS.

You want to **rebuild, renovate or modernize** your paint store and even have to stop painting operations completely or partially. That doesn't have to be the case.

With the flexible and transportable SEPROFESSIONAL MOVE combi-painting booth, SEHON offers you protection against production downtimes when converting and modernizing your paint shop.

The SEHON MOVE is a fully-fledged combined painting and drying booth measuring 6.8 m x 4.5 m. High-tech with integrated energy-saving modules, uniform extraction and fully laminar air flow. Depending on requirements, use of one or more cabins, indoor or outdoor. Also as a solution for short-term capacity expansion. Buy, lease or as a rental cabin.

- drying booth 6.8 m x 4.5 m.
- Fully laminar air flow known from SEHON - uniform extraction across the entire cabin cross-section, i.e. no sectional or diagonal ventilation.
- Fully-fledged ventilation in accordance with DIN EN 13355 and DGUV 209-046, with SE-AIRMASTER for automatic air volume adjustment to the selected operating mode.
- Highly efficient thanks to energy-saving components.
- Operation via touch panel (PLC control).
- LED lighting.
- Full-surface access ramp with glazed entrance and exit gate.
- Assembly and dismantling in one day.
- The customer only needs a power connection and heating oil.



SE-PROFESSIONAL MOVE combi spray booth for conversion or capacity expansion.



High-tech spray booth with integrated energy-saving modules, uniform extraction and fully laminar air flow.



MINOR DAMAGE REPAIR.

SPOTREPAIR / MULTI-SPEED-MASTER® CARS, COMMERCIAL VEHICLES, BUSES AND RAIL VEHICLES.



Professional spot repair workstation (Multi-Speed-Master®) Single workstation solution.



Multi-Speed-Master® for buses and rail vehicles.



Multi-Speed-Master® in line.

With the Multi-Speed-Master®, small claims can be processed professionally, quickly and costeffectively.

The Multi-Speed-Master® is a modular spot repair system that can be adapted in size and equipment for the maintenance of cars, commercial vehicles, buses and rail vehicles.

Vehicle preparation and the painting and drying process take place directly at the spot repair work station. This eliminates the need for time-consuming maneuvering.

Above all, however, the cost-intensive use of paint booths and dryers can be dispensed with for minor damage repairs and maintenance. Drying is carried out using IR or UV. This saves energy, time and money. The Multi-Speed-Master® can be easily retrofitted in existing operations.



TIME- AND COST-SAVING REFINISHING.

MULTIFUNCTIONAL CABINS AND WORKSTATIONS.

Multi-workstations and cabins **are perfect for all surface repairs** directly on the vehicle. Particularly sustainable, because in most cases there is no need to dismantle parts, maneuver or use the energy-intensive paint booth and dryer. This leads to significant cost and time savings. An ideal addition to the traditional paint booth workflow.

Thanks to the SE MULTISTAR multifunctional booths and workstations developed by SEHON back in 2008, all work steps of a repair paint job, from filler to finish, can be carried out much more effectively and economically.

The vehicles remain in a single location during all operations.

Multifunctional workstations are particularly suitable for the holistic planning and design of a highly efficient paint store around a paint booth with integrated dryer.

Multifunctional workstations save time and money. The throughput is increased.



Single multifunctional workstation.



Multiple multifunctional workstations.



FOR MORE CAPACITY AND THROUGHPUT: SE-MULTISTAR.

MULTIFUNCTIONAL CABINS AND WORKSTATIONS.

SEHON multifunctional workstations and cabins are well thought out down to the smallest detail and perfectly equipped with the usual SEHON top technology (oil-, hot water- or gas-heated). Fully automatic, computer-controlled dryer system (IR or UV).

- Ergonomically perfect
- No need to maneuver
- Functional working groups
- Practical complete equipment
- Fully automatic control
- Oil, hot water or gas-fired
- IR or UV drying
- Individually retrofittable

ON THE SAFE SIDE WITH SEHON!
SEHON painting systems already comply with the new planned legal standards, regulations and requirements, e.g. for paint booths, universal Preparation stations and multifunctional cabins.
-Future security included..



High-end universal workstations for vehicle preparation for filling, sanding and filling as well as spot repair. Integrated supply and exhaust air.

PERFECTLY EQUIPPED.

UNIVERSAL PREPARATION STATIONS.

The majority of all work in a paint and body store takes place in vehicle preparation. This is why universal workstations at SEHON are perfectly equipped in accordance with BG guidelines (DGUV I 209-089).

SEHON plans both underfloor and above-floor extraction workstations with lifting platforms. The supply air is heated and the exhaust air is discharged via a central unit.

For minor damage repairs, the workstations can be equipped with movable infrared systems or as professional spot repair workstations (Multi-Speed-Master®). Central SE supply terminals guarantee ergonomic, fast and economical work.

Universal preparation stations from SEHON can be easily retrofitted in existing plants.



Underfloor



Above ground.



SE universal underfloor preparation stations with ceiling-mounted IR and / or UV lamps.



Short distances. Paint supply room directly behind the paint booths.

VALUE-ADDED PRODUCTS.

FOR MORE EFFICIENCY AND QUALITY.

In addition to premium painting systems in various price categories, SEHON offers innovative products that ensure greater **efficiency and quality** in paint shops.

Paint mixing and conditioning rooms are planned by SEHON and implemented in accordance with legal requirements.

SE-INSPECTOR are mobile light wall systems for work and quality control (fault detection in the finish area). At the same time, it provides optimum lighting for polishing and assembly work.

SE supply terminals enable ergonomic, safe and effective work (preparation, finish, bodywork) in order to comply with legal regulations.

SE masking workstations are workstations upstream of the paint booth where masking, cleaning and quality control are professionally carried out before painting.

The **Aircommander®** ensures better surfaces, less paint consumption, more throughput and significantly less finishing work.



Access to the paint supply room.



Ceiling-mounted SE-INSPECTOR.



Mobile SE-INSPECTOR.



SE supply terminal in a CAMELEON car body workstation (steel, aluminum, carbon).



SE supply terminal Universal workstation (stand-alone) with underfloor installation.



SE supply terminal as wall-mounted system with storage cabinet for sanding booth.

PERFECTLY ORGANIZED.

CENTRAL SUPPLY TERMINALS FOR PREPARATION, BODY AND FINISHING WORKSTATIONS.

SEHON supply terminals ensure **greater order, safety and efficiency** at preparation, bodywork and finishing workstations. Naturally in accordance with the latest guidelines (DGUV I 209-89)..

The equipment of the terminals depends on the **customer-specific requirements** of the respective company and the planned place of use (preparation, bodywork, finish).

SE supply terminals integrate various connections for power supply, compressed air, sanding machines (electric and pneumatic), sanding dust extraction, paint spray guns, lifting platforms and diagnostics in a central, compact and clean way.

SE supply terminals are available as **freestanding stand-alone terminals, as wall-mounted systems and as mobile supply terminals**. Depending on operational requirements, as single-user, two-user or multi-user solutions.



Mobile supply terminal for mobile use.



Quick access. Storage options. Storage space.



Compressed air. Electricity. Sanding dust extraction.

CENTRAL SUPPLY TERMINALS.

SUITABLE EXTRACTION TURBINES



SE-AT SATURN



SE-AT ORBITER



SE-AT MERCURY



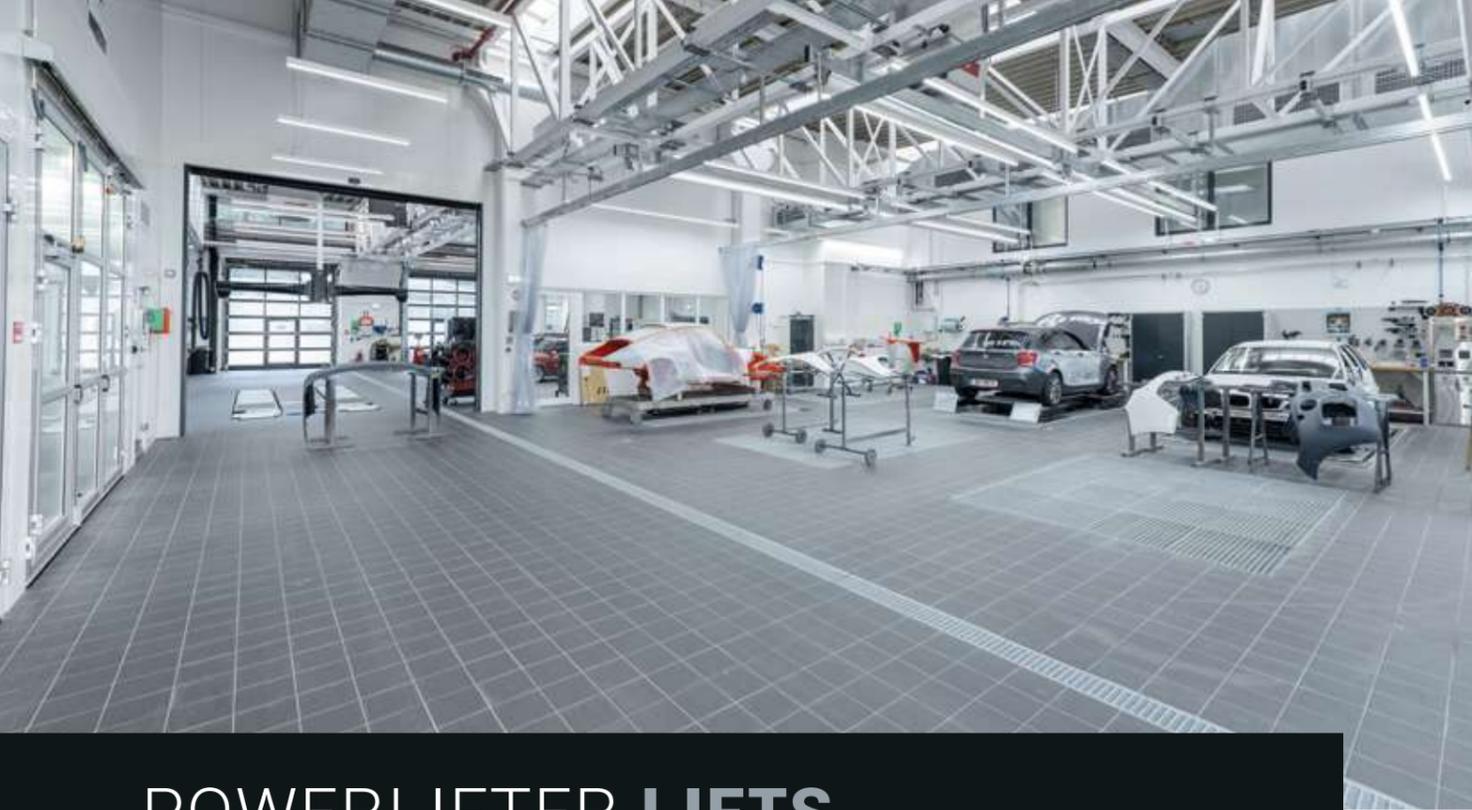
SE-AT EXPLORER 1



SE-AT EXPLORER 2



SE-AT PIONEER



POWERLIFTER LIFTS.

EVERYTHING YOU NEED FOR LIFTING.

POWERLIFTER lifts from SEHON are perfectly designed for a wide range of requirements in body shops, paint shops and automotive workshops.

For professional and flexible use in bodyshops and paint stores, pneumatic lifts, which can be installed in gratings, in the hall floor or above ground, are ideal.

The vehicle can be picked up either standing on its wheels or using support arms at the specified pick-

up points. One version is even suitable for transverse transportation on trolleys into the paint preparation area and paint booths.

POWERLIFTER offers everything you need for lifting a wide variety of vehicles: pneumatic lifts, 1-post lifts, 2-post lifts, 4-post lifts and compact scissor lifts.



Sehon transporter on lifting platform with cross transfer.

POWERLIFTER PL-3500
FOR PROFESSIONAL USE IN
BODY AND PAINT STORES.



Installation in gratings, in hall floor
or surface-mounted

POWERLIFTER SHL-2500



POWERLIFTER SHL-5500



POWERLIFTER SHL-4500



DOUBLE SCISSORS, POWERLIFTER KSL-3500





DER AIRCOMMANDER®

PAINTING IN A NEW DIMENSION BETTER.
FASTER. SAVER.

The advantages

Savings in finishing costs
of approx. 20% to



Reduction of flash-off and drying times from
approx. 10% to



Base coat of
approx. 20%



Conventional clear coat
from approx. 10% to



Moisture-curing clear lacquer (application manager®)
from approx. 20% to



Reduce energy costs by drying moisture-curing paints (Applicationmanager®)
from approx. 80% to



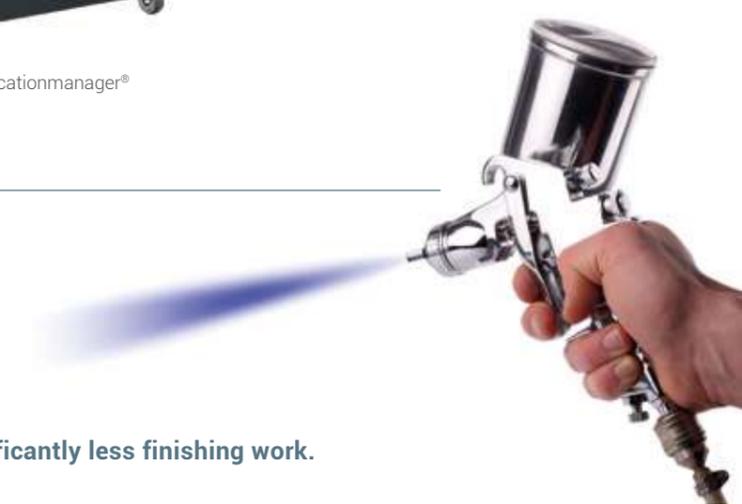
Aircommander®



Applicationmanager®



Proven, patented and
award-winning application
technology



**The Aircommander® ensures better surfaces,
less paint consumption, more throughput and significantly less finishing work.**

- Better, finer atomization of the paint
- Better surfaces, less dust and dirt
- Softer relaxation of the lacquer
- Less paint consumption
- Significantly less overspray
- Fewer filter changes
- Shorter painting throughput times, more throughput
- Drastic reduction of rejects and reworking (finish)
- Works just as well with HVLP systems as with AirMix guns
- Better penetration into recesses and fewer dirt inclusions
- Effect with top coat and clear coat

**The application manager® also features atomization and humidification technologies,
z. e.g. for moisture-curing paints and the addition of special additives.**



BODYWORK WORKSTATIONS CAMELEON. MULTIMATERIAL.

FOR STEEL, ALUMINUM AND CARBON. SAFETY FIRST.

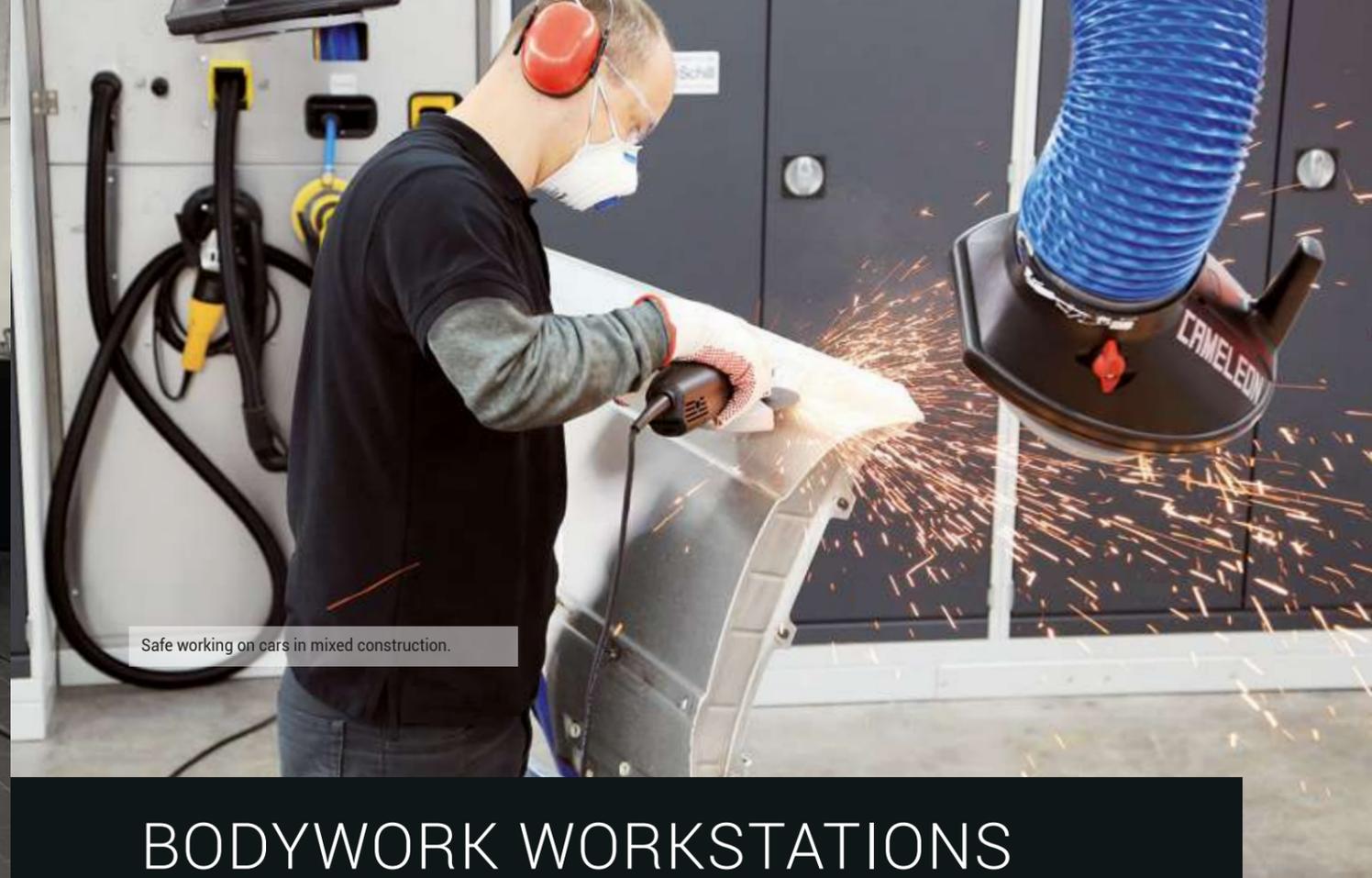
Car bodies today consist of a combination of different materials such as steel, aluminum, carbon, magnesium or plastic. Whereas car bodies used to be made exclusively of steel, the proportion is now less than 50%.

There are **high safety requirements** for working with different materials. Improper handling of compounds such as steel, aluminum and carbon can not only lead to contact corrosion on the vehicle, but also to dangerous dusts, vapors and other chemicalphysical compounds.

CAMELEON is the safe and functional solution for all work on steel, aluminum or multi-material mix bodies in order to protect the health of employees, ensure safety in the workplace and protect the company.



Der sichere Karosserie-Arbeitsplatz.



Safe working on cars in mixed construction.

BODYWORK WORKSTATIONS CAMELEON. E-VEHICLES.

REPAIR AND HANDLING OF BEV AND CO. SAFETY FIRST.

Companies such as body and paint stores, vehicle workshops and car dealerships must comply with high safety requirements when repairing and handling electric vehicles in order to ensure the safety of employees, customers and the environment.

This is why the workstations offered by SEHON not only comply with German and European safety regulations, but also with the **strictest legal requirements in the world, namely those of the USA.**

CAMELEON SYSTEMS already provides the required sensor-controlled measuring and warning systems, for example for monitoring and documenting the concentration of harmful substances in the workplace.

The system also enables a wide range of solutions for the safe handling of damaged electric vehicles and their batteries. CAMELEON ensures compliant handling, monitoring and safety on the company premises and in the workshop.

CAMELEON SYSTEMS is the world's first comprehensive and coherent product range that not only enables safe body repairs, but also offers suitable and comprehensive workshop equipment, accessories, warning and safety technology.



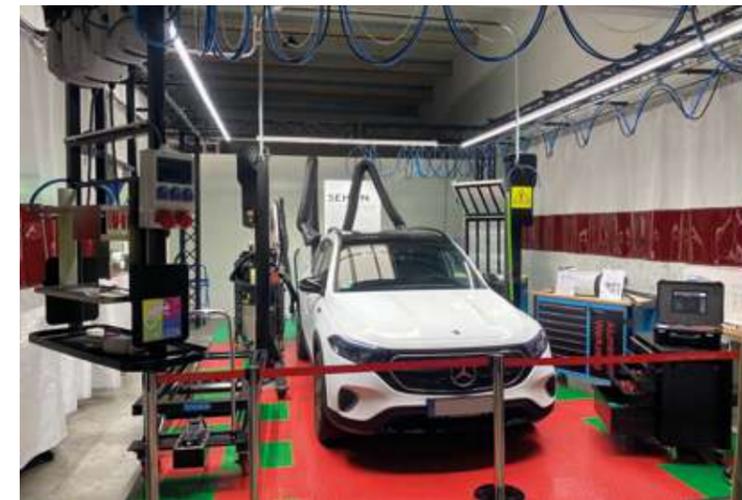
CAMELEON SYSTEMS FOR E-VEHICLES AND MULTI-MATERIAL BODYWORK.

BODYWORK WORKSTATIONS.

All CAMELEON body work stations enable safe working when repairing electric vehicle bodies and bodies made of steel, aluminum, carbon and mixed construction methods. Not only European standards, laws, norms and guidelines are complied with, but also the even stricter US standards and specifications. - With CAMELEON you are on the safe side.

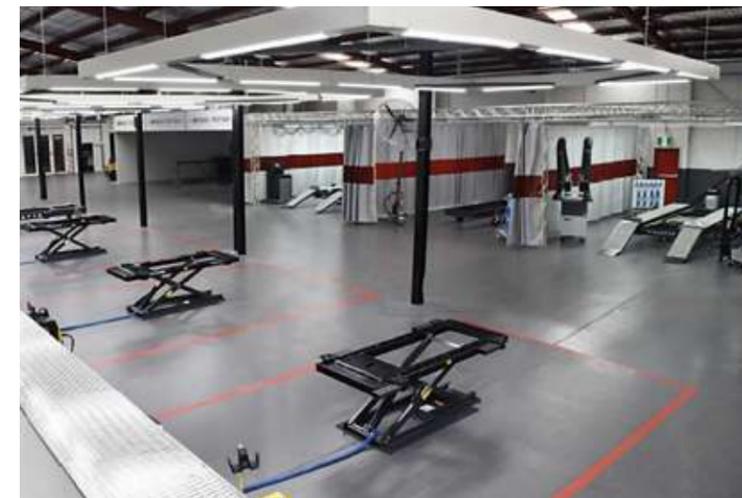
Internationale Homepage (DE, UK, FR, IT):
www.cameleon-systems.com

Request special CAMELEON catalog.



CAMELEON E-STATION

Bodywork workstation for the safe and professional accident repair of electric vehicles. As a single workstation, as a double workstation and as a multi-user solution. Suitable for EV, BEV, HEV, PHEV and FCEV. Extensive extraction and safety technology, special tools and accessories.



CAMELEON ECONOMY

Bodywork workstation for the safe and professional accident repair of vehicles with bodies made of steel, aluminum, carbon and mixed constructions. As a single workstation, as a double workstation and as a multi-user solution. Extensive extraction and safety technology, special tools and accessories.



CAMELEON PREMIUM

Bodywork workstation as a high-end individual workstation for the safe and professional accident repair of vehicles with bodies made of steel, aluminum, carbon and mixed construction. Individual workstation with premium equipment. Extensive extraction and safety technology, special tools and accessories.



UNIQUELY VERSATILE AND SAFE CAMELEON.

WORKSHOP EQUIPMENT, SAFETY TECHNOLOGY AND ACCESSORIES.



CAMLEON 1100 MIX – Dust extraction system

Mobile wet dust extraction system for medium dust volumes. For all dusts generated during bodywork repairs. For car bodies made of steel, aluminum, carbon and all materials in mixed construction. ATEX Zone 22 certified. Safe extraction of explosive dusts. Antistatic stainless steel. Antistatic hose.



CAMLEON 4400 MIX – Dust extraction system

Mobile wet dust extractor for large amounts of dust. For all dusts generated during bodywork repairs. For car bodies made of steel, aluminum, carbon and all materials in mixed construction. ATEX Zone 22 certified. Safe extraction of explosive dusts. Antistatic stainless steel. Antistatic hose.



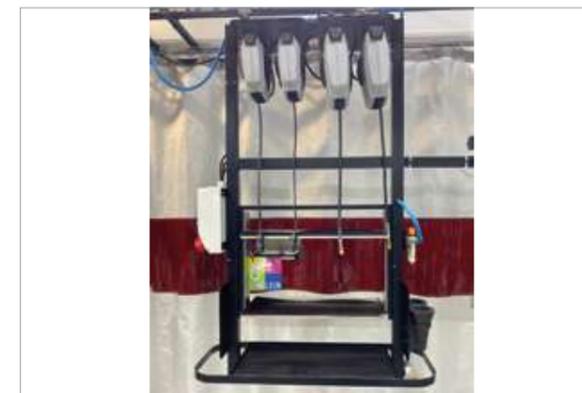
CAMELEON Extraction CF 135/2 – Smoke and gas extraction

The world's only mobile, two-arm extraction system for extracting welding fumes, gases and vapors during the bonding and de-bonding of ICE, EV, BEV, PHEV, FCEV and xEV vehicle bodies. Combined HEPA/gas filter with ACF technology. Filter status monitoring, display and warnings. Automatic flow control system.



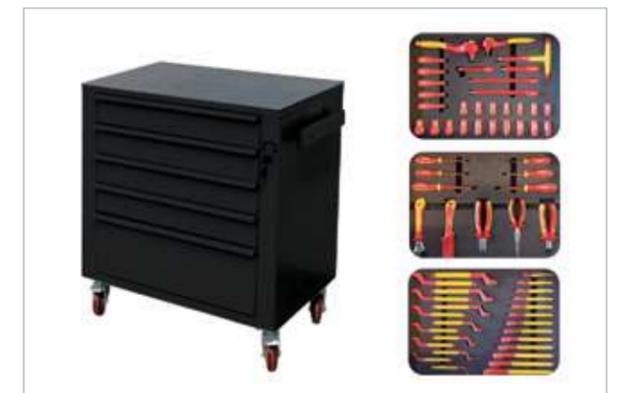
CAMELEON Monitoring Trolley – Monitoring trolley

State-of-the-art safety package with important components such as gas sensor, concentration measuring module, fine dust detector. Device measures pollutant concentrations in the relevant work and workshop area around the clock. Sound/light alarm. Recording and storage of all important data. Rail-guided system.



CAMELEON media trolley - rail-guided supply terminal

Order and safety at the workplace. Cable reel for 230V power and compressed air, compressed air maintenance unit with pressure gauge, compressed air couplings, power box with 2 x 400 V (1 x 16 A and 1 x 32 A) and 4 x 230 V, 16 A, internal fuses, rubber holster for holding hand tools and tool tray.



CAMELEON special tools for electric vehicles

VDE-certified, insulated tool set for working on electric vehicles. The insulated handles increase safety in the event of an electric shock. The set includes a professional tool cabinet with 90 insulated tools, a digital AC/DC clamp meter, a multimeter and personal protective equipment.



CAMELEON EV-SafetyContainer

Mobile quarantine container for damaged and defective electric vehicles. Also for the storage of removed, defective high-voltage batteries. Prevents fires from spreading, reduces consequential damage and protects employees. Significantly cheaper than concreted quarantine areas with separator systems. Optionally with aerosol fire-fighting system..



CAMELEON FIPROTEX fire protection and fire blankets

High-performance fire blankets for vehicle fires (cars, SUVs, small vans). Extinguish conventional fires in seconds, for large lithium fires and fossil fuels. Ideal for insulating electric vehicles over longer periods of time. Size: 6 m x 8 m (48 m²). Up to 1600 °C. Can be used several times.



CAMELEON S74 – Monitoring the battery temperature with EV

Mobile safety system for permanently monitoring the battery temperature during vehicle repairs on EVs, BEVs, HEVs, PHEVs and FCEVs. To protect employees in the workshop. Thermal imaging camera with calibrated thermal imaging sensor. Alarm function, network message.



CAMELEON M73 – Workshop monitoring for e-vehicle repair

Room monitoring system for the workshop when repairing electric vehicles. Can also be used for battery storage. Heat and temperature control of the entire workshop. Monitoring of hazardous work. Protection of employees. System with data recording and storage.



CAMELEON safety containers for battery storage and transportation

Reusable safety container for the storage and transportation of lithium-ion batteries. Meets all rules and regulations. Fire-resistant and absorbent inner packaging. Special protection against impact and vibration. Suitable for non-critically damaged and end-of-life batteries. Integrated lashing system. Various dimensions.



CAMELEON thermal imaging camera for electric vehicles

High-resolution thermal imaging camera for reliable early detection, remote monitoring and analysis of heat development in electric vehicles involved in accidents or fires. Around 78,000 temperature measuring points. Thermal sensitivity 0.05 °C. Additional integrated digital camera and laser marker for parallel real images.



CAMELEON gas detector for VOC

Mobile PID gas detector for the measurement of volatile organic compounds (VOC). Portable handheld measuring device. Detects over 900 different gases (organic and toxic compounds). For hazard detection when handling electric vehicle batteries and for employee safety.



CAMELEON gas detector for HFCV

Portable for hydrogen fuel cell vehicles (HFCV) to detect hydrogen leaks from a damaged vehicle after an accident. Device detects a variety of gases, including helium, hydrogen and refrigerants. Ability to operate in an electromagnetic environment.



CAMELEON brand quality

The CAMELEON brand stands for quality and safety with systems for workshop equipment for workplaces. For the safe processing and handling of multi-material mix bodies and electric vehicles. Safe operations, safe work processes, safe employees and safety for nature and the environment.



HUMIDIFICATION SYSTEM SE-HYDROPLUS.

FOR PAINT SHOPS, DRYERS AND POST-REACTION ROOMS
AND MOISTURE-CURING PAINTS.

SE-HYDROPLUS is the innovative humidification system for paint shops, dryers, preparation areas and post-reaction rooms (when using moisture and self-drying paints).

SE-HYDROPLUS is the microfine and cost-effective alternative to traditional steam humidification.



THE ADVANTAGES OF THE SEHON HYDRO SYSTEM:

- Dust-free due to the hydrosation of the process air
- Possibility of adding antistatic fluid
- Cooling effect in the effective area due to evaporative cooling
- Advantages when curing paint coats, both basecoat and clearcoat
- Quick switch-off and switch-on of moisture
- Monitored and adjustable humidification process using sensors, controllers and PLC control
- Frequency conditioning for better function and Well-being of the employees
- Remote maintenance option
- As an option, SE-HYDROPLUS water can be sterilized, antibacterially treated and/or frequency-directed. Pure water through osmosis and sterilization!
- SE-HYDROPLUS can be used in almost all rooms of a body and paint store to optimize



SE-MOVE IT TRANSPORT AND MANEUVERING SYSTEM FOR VEHICLES.

EXHAUST-FREE AND COMFORTABLE, ZERO EMISSION VEHICLE.

SE-MOVE IT is the innovative transport and maneuvering system for cars and vans.

With SE-MOVE IT, vehicles can be moved from A to B conveniently and emission-free (zero emissions) in workshops, body and paint stores, car dealerships and showrooms.

The system is available in different versions for **manual or electrically driven vehicle maneuvering** (pulling and pushing). The vehicle can be moved both lengthways and crossways. It is operated at the ergonomically correct, comfortable height..

SE-MOVE IT can also be easily installed and used by SEHON customers with an existing cross slide rail system using a rail cover solution. - Patent pending



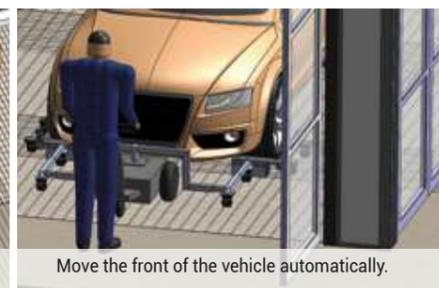
Position the vehicle trolley.



Move the vehicle sideways manually.



Move vehicle sideways automatically.



Move the front of the vehicle automatically.



Move vehicle automatically at the rear.



YOUR ADVANTAGES.

WE KEEP OUR PROMISES. WITHOUT IFS AND BUTS.

You would like to invest in a new building, in the conversion or modernization of your paint store. These are not insignificant investments in the performance and profitability of your company. It is therefore all the more important to take a close look and compare the products and services of the providers in detail.

THE MOST IMPORTANT SEHON ADVANTAGES AT A GLANCE:

- Over 40 years of quality, expertise and experience
- Individuality instead of standard
- Cutting-edge technology in a class of its own
- Outstanding quality even in the smallest detail
- Qualified advice from A to Z
- Precise written profitability calculations
- Perfectly detailed planning and design
- Individual and needs-based product selection
- On-time and reliable installation
- Comprehensive customer-oriented aftersales service
- Online service
- Own customer service and service technicians
- Reliable spare parts supply
- Unique energy-saving technology
- Maximum subsidies for sustainability measures
- Safe, compliant and future-proof products
- Patented and award-winning technologies
- Industry-defining innovations
- Outstanding price-performance ratio

CONTACT US.

ALWAYS THERE FOR YOU.

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