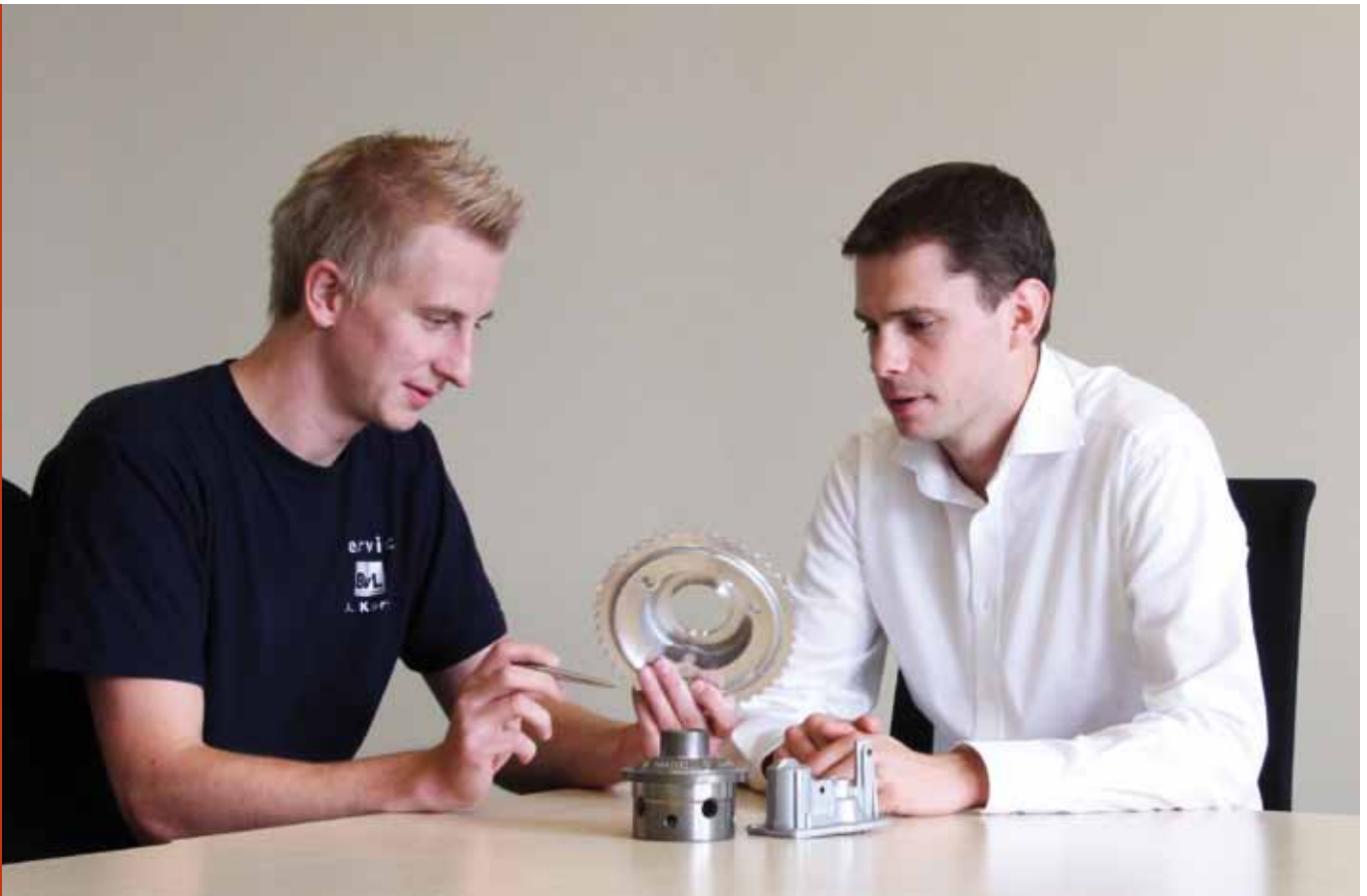


SERVICES

Overview brochure





People who are there for you – fast, competent, for the long term

Anyone can be fast. But for us that is just a basic prerequisite. The well trained **BvL** employees provide lasting help: We are there for you – before, during and after your order.

We focus on making your production process available, productive and future-proof. We use various measures to maintain and optimise it for you. We provide you with comprehensive services from one source, individual and in proven **BvL** quality – from maintenance and repair to modernisation.



Direct contact:

Service:
Phone: **+49 (0) 5903 951-24**
+49 (0) 5903 951-150
support@bvl-group.de

Orders:
Phone: **+49 (0) 5903 951-77**
sales@bvl-group.de

Maintenance



Prevention rather than repairs

Regular maintenance increases production reliability and prevents downtime. Upon successful checking your machine will receive the "BvL maintenance sticker". Our service engineers will be happy to provide you with a quotation for your cleaning system. Just contact us.

Advantages

- higher productivity and maximum machine availability
- fewer repairs, more process reliability
- maintenance and operating costs can be planned
- improved value retention of the machine

Maintenance package "Basic"

- The "Basic" package offers a comprehensive check of the system: checking for correct functioning, cleanliness and excessive wear. It also includes carrying out all adjustment work, smaller maintenance tasks and an instruction for operators, if required. The package is customised to suit your system.

Maintenance package "Classic"

- The "Classic" package covers all services from the "Basic" package as well as the replacement of all wear parts to ensure sound functioning of the cleaning system. It is customised to suit your system and includes e.g. plain bearings, drive rollers and seals for lifting gates, maintenance hatches as well as tank valves and return flow valves.

Maintenance package "Safety Clean"

- The "Safety Clean" package includes all services from the "Classic" package and additionally the replacement of nozzles to ensure the cleaning result. The package is customised to suit your system.



"A system that is maintained regularly is like a well looked after car: Not only does it last longer, it also gives you a better feeling."

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Spare parts / chemicals



BvL spare parts are a guarantee for full performance and a long working life of your system. Our spare parts provide you with production reliability and optimum machine availability.

Advantages

- competent, technical advice for spare parts selection
- simple ordering process: all spare parts from one hand
- fast and reliable delivery, as required by you: standard shipping, next morning or same day
- warranty on spare parts

Spare parts package "WorkingParts"

Periodical replacement of wear parts is necessary to increase the working life of your system. The package is customised to suit your system; it includes e.g.: **seals, nozzles, slide bars/rollers.**

Spare parts package "CriticalParts"

This spare parts package includes the essential elements for ensuring system reliability. It is recommended when system failure has to be absolutely avoided. The package is customised to suit your system; it includes e.g.: **pumps, motors, heaters, sensors.**

Spare parts package "SpecialParts"

This spare parts package includes BvL-special equipment for cleaning systems. Individually tailored to your system, it includes e.g. **rotary feedthroughs and bearings.**

Customised spare parts packages

Our service engineers will be happy to create a customised spare parts package in cooperation with you.

We determine the ideal combination of cleaning agent and filters for your process at the **BvL** Technical Centre.

Chemicals

- alkaline cleaners
- neutral cleaners
- acid cleaners
- different container sizes: 25 kg disposable container, 200 kg barrel

Filters

- filter housings
- filter bags and filter cartridges
- different filter media: fabric for surface filtration, needled felt and melt blown for in-depth filtration (needled felt)
- basket inserts
- magnetic rods

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Modernisation & retrofitting



Always up to date!

Cleaning systems have a useful life of many years. The requirements for performance and throughput often change over the course of time. The **BvL** service engineers are happy to advise you on the upgrade options for your system.

Advantages

- intensive technical support for optimisation of your system
- adapting the system to current requirements
- realisation of time and cost benefits
- professional installation of original spare parts
- manufacturer's quality for maximum safety

Automation and efficient operation

Cross movement table, lifting and lowering stations or **automatic drive-in and drive-out devices** speed up operation and improve work ergonomics. **Roller conveyors, fully automated robot charging** and **identification systems** allow reduced personnel times or even unmanned operation.

Higher throughput with process optimisation of the system

Bath treatment measures such as plate phase separators and centrifuges increase bath life. **External vacuum drying** allows faster cycle times and **nozzle frames** can be adapted to special or changed components.

Increased cleanliness requirements

Filter technology reduces particle input into the cleaning bath and prevents already stripped particles from being sprayed back onto the component. A **rinsing system** with demineralised water washes away cleaner residue.

Process reliability

The **Libelle product range** monitors, controls and documents the cleaning bath with regard to contamination and cleaner concentration.

Lower costs

BvL energy saving packages such as insulation and conversion of electrical heating to technical heat can lower operating costs.



“Retrofitting the automated roller conveyor and the external vacuum dryer allowed us to increase the throughput of the cleaning system by 20%. And the workload of the system operators is also noticeably lighter.”

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Repairs / transport



We are there for you!

We provide fast and reliable support in case of damage to your cleaning system. For us, repairs do not just include the replacement of defective components but also the investigation of the reason for failure. Depending on the cause for the damage, we can react with various optimisation measures which are customised for your system type.

Advantages

- technology: direct and personal support through **BvL** in-house service engineers
- software: direct and personal support through **BvL** in-house programmers
- repairs: **BvL** service engineers with great experience and know how in cleaning technology
- professional installation of original spare parts
- manufacturer's quality for maximum safety
- fast support

Error diagnosis

It is often not easy for operators to identify the cause for a malfunction. Our service engineers can provide assistance over the phone already, giving recommendations and suggestions for solving the problem. To save valuable time, **BvL** have different options for error diagnosis. This allows us to reduce on-site work to a minimum.

Repairs

After clarifying the cause for the malfunction, the **BvL** service engineers will create a quotation with recommendations for spare parts and repair measures. You decide, we repair.

Safe journey

BvL cleaning systems are designed and manufactured to suit your individual requirements. This often makes transport a logistical challenge (excess width, excess height) requiring optimum planning and organisation. On the basis of the long standing cooperation with our logistics service providers we carry out overland, sea or air transport to protect our systems and to provide on-time deliveries worldwide.

Advantages

- optimum planning and organisation
- cooperation with competent logistics service providers
- on-time delivery

■ System packaging

secure film or wooden crate packaging in line with the German HPE regulations and HPE standard

■ System transport

- customised transport solutions
- selection and combination of suitable modes of transportation
- worldwide special transports available on request
- all transport in line with Incoterms 2010
- transport insurance

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Transport:

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Training



Get a head start through knowledge!

The **BvL** Oberflächentechnik training programme covers all main areas of cleaning technology. We are a specialist for practical solutions which is why our training courses are also precisely and specifically tailored to your requirements.

Advantages

- specialist know how of cleaning technology directly from the manufacturer
- longstanding experience through a large number of implemented projects
- competence in all fields: technology, chemicals, filters
- practicable and helpful advice from **BvL** service engineers
- cost and time advantage through trained personnel

Operating courses

- system operation
- changing the cleaning medium
- cleaning tanks
- changing filters
- titration
- monitoring bath condition and cleaner concentration by using Libelle products

Seminar for production managers and planners

- requirements for cleaning technologies
- cleanliness requirements in line with VDA19
- process reliability
- filter technology and cleaning chemicals

Individual workshops for your company

- customised cleaning technology for your individual requirements
- achieving and testing cleanliness requirements (in line with VDA19)
- process reliability
- filter technology and cleaning chemicals



“A culture of quality and innovation is created where people actively live this culture. At BvL we do just that.”

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Pure Technology.