



Brilliance in Engineering

✓ EXPERTS
IN SAFETY

Brilliance in BKL

BKL is a technical service provider in mechanics and mechatronics. We develop high-quality solutions enabling clients to work smarter, more efficiently and above all more safely: hoisting and lifting tools, industrial modules and machines. Our range of services include engineering, inspections, services and manufacturing. We provide services for partial processes and overall solutions.

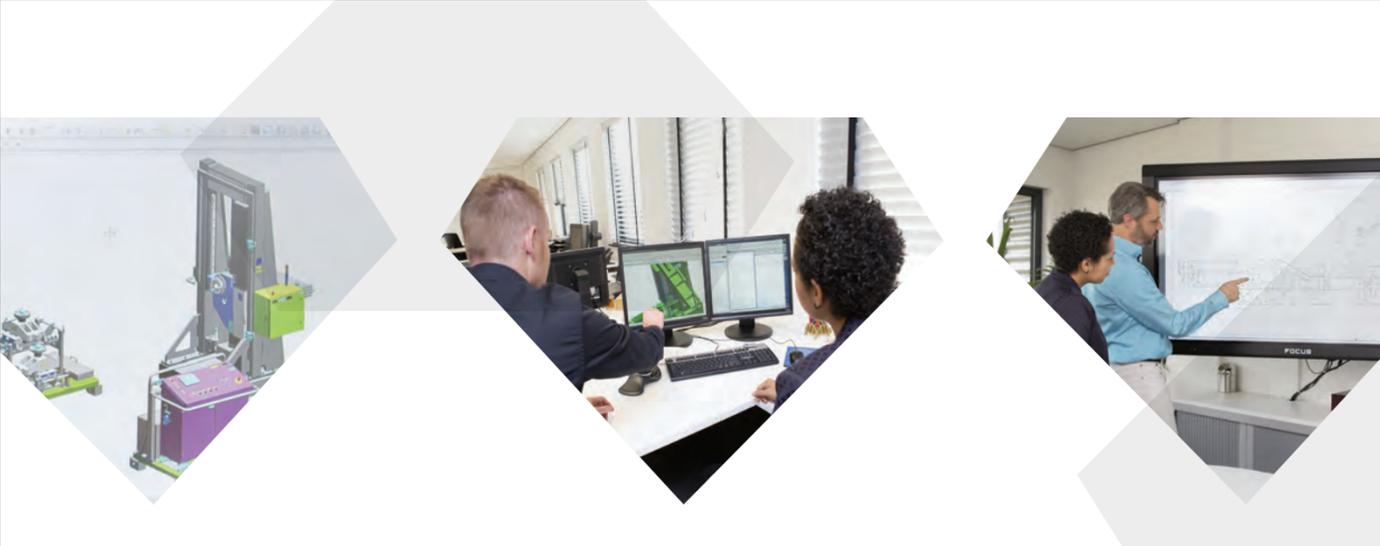
Your safety, our DNA

The users of your hoisting and lifting tools, modules and machines are your employees, your human capital. Their safety is of paramount importance. That is why we develop machines that can be operated easily, are user-friendly and enable safe working. Moreover, a safe working environment for your employees encourages their sense of enjoyment and commitment; it reduces the chance of incidents and supports continuity.

High-tech solutions

On a daily basis, a team of forty experts work on inherently safe solutions. We operate throughout the world and we are OEM supplier for such high-tech industries as ASML, FEI and Philips Lighting - basically, for any organization not wanting to compromise on safety.

BKL
smart engineering works



Brilliance in Engineering

Engineering with the highest form of safety

Smart engineering solutions can provide a considerable advantage. Just think, for instance, of more safety for your employees, more process efficiency and improved competitiveness. BKL develops solutions to meet your requirements. As a technical service provider, we can provide the entire engineering process, from the definition phase until commissioning of the final product. Safety is of paramount importance to us. That is our engineering service for high-quality hoisting and lifting tools, mechanics and industrial modules.

Creating added value with the problem definition

High-quality engineering starts with thorough preparation. Investing in this will truly be worth your while; the better the issue is described, the better the solution. Our engineers are sensitive to what is needed. What is your method of operation? What do you want to achieve? How is your process organized? What are your employees' expectations? We want to get to know what motivates you. The more we know, the better we will be able to provide our services.

Guiding principle for our activities is the fact that safety is paramount and human life invaluable. We leave nothing to chance and we do not compromise on safety and, therefore, our engineering includes a risk analysis resulting in the risk-reducing measures required.

Structural analysis and man/machine interaction

Would you like your employees to operate hoisting and lifting tools, modules and machine more safely? More efficiently? More sustainably? The BKL engineers will create added value by designing from a man/machine interaction. A strength and rigidity analysis, calculated both manually and by FEM (Finite Element Method), is part of the process. In consultation with you, concepts are developed and ideas are evaluated. Therefore, a solution is tailored to your method of operation and in line with your objectives. Concepts are then detailed in drawings as a starting point for increased safety, better ergonomics and more efficiency.

CE documentation as proof of safety

Because our engineering is based on high safety standards, your machines and tools will comply with laws and

regulations, resulting in - if required - a CE declaration to emphasize good entrepreneurship and the CSR concept. Your machine or tools are provided with a full - CE-certificate worthy - Technical Construction File to prove that you have complied with all requirements to enable safe operation. CE documentation will always comprise a risk analysis, calculations, test documents, a manual, maintenance document and an IIA declaration of the product delivered.

Next steps

Following the Factory Acceptance Test (FAT), a Site Acceptance Test (SAT) will be conducted to guarantee that you will be provided with the solution you need and that it can be operated in your environment. You can also count on BKL with regard to project management. Our project managers have been IPMA trained, offering the guarantee that your engineering project will be carried out to perfection.

More information?

Are you as driven as we are? Are we the party you are looking for? We would be more than happy to discuss the engineering solutions BKL can provide you with.

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Mechatronic and mechanical solutions
Inspection maintenance and repair
Hoisting - & lifting tools, special machinery

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Brilliance in Inspection



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Brilliance in Inspection

More safety due to more guarantees

Do your machines and tools still comply with legal standards? Can they be safely operated by your employees? Are they still in a condition to guarantee the quality that meets your customers' expectations? BKL provides information. We are safety experts and specialize in hoisting and lifting tools. As a manufacturer, we know these tools inside and out and as an inspection body we are ISO 17020:2012 accredited. We provide a broad range of services: from demonstrating the suitability for first use to conducting periodic inspections, tests and examinations. BKL offers guarantees. Guiding principle in all our activities is our passion for safety. We leave nothing to chance and we do not compromise on safety.

Inspecting with the naked eye

BKL has an eye for (complex) hoisting and lifting tools, providing you with information of the condition your tools are in. A visual inspection provides clarity and offers guarantees. Our experts will examine your tools, put their findings to paper and offer user advice. This allows you to reduce risks to an acceptable level.

Testing with overload

The proof of the pudding is in the eating. When safety is concerned, BKL is thorough. A test will prove the quality, physical condition and safety of your hoisting and lifting tools. Day-to-day practice will be simulated and will comprise an overload test, followed by a visual inspection. You will be provided with a report and user advice, providing you with the guarantee you are looking for.

Examining to every last detail

Minor causes may have major effects. Think, for instance, of micro cracks in welded constructions. When BKL examines your hoisting and lifting tools, you can rest assured this will be done to the very last detail. A specific method will be deployed to examine your tools and to determine the condition they are in. The results are then presented in a report and you are provided with advice on any repairs.

More information?

Would you like to know what BKL can do for you? We would be more than happy to make time to discuss inspecting, testing and examining with you.

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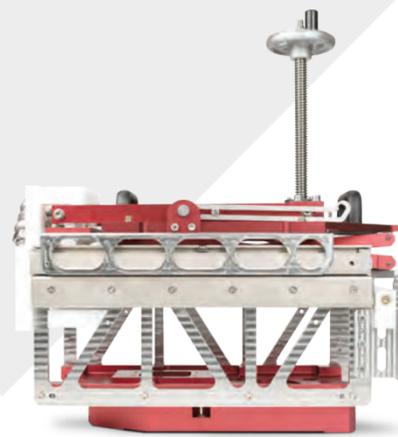
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Brilliance in Production

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Brilliance in Production

Specials production

Who would you entrust with the production of your small-scale, complex series? Or hoisting and lifting tools, components, industrial modules, machines and pieces of equipment? BKL is an OEM for OEMs. We supply high-quality work for high-tech companies. In terms of production, we have a wide range of employable skills. We are, for instance, the go-to company for built to print, or for fully operational machines according to your specifications. Prototyping and functional models are examples of other specialties, as are cleanroom assembly and repairs. Our employees make all the difference: professional, driven and always "up" for a challenge. But above all we are guided by the principle that equipment should contribute to safe working conditions. This is something we never compromise on.

Built to print: the right machines, the right capacity

Do you have a fully specified design you want to have produced? BKL will convert your design into a product. We produce small-scale series; efficient, with a short completion time and in accordance with your quality standards - all at the right

price. We can provide a one-stop service for: milling, turning, assembling and grade 4 cleaning.

Prototype and proto shop: a better understanding of your possibilities

Prototypes require expert knowledge. BKL is accustomed to building them for our own products. We offer a surplus of knowledge and experience to have prototypes produced. Quickly assess an idea? Our proto shop increases your possibilities and speeds up conceptualisation. OEMs can have a functional model made from a draft (instead of an elaborated drawing). Our experts look beyond the issue and view it from a functional and safety standpoint. This will quickly provide you with an understanding of the potential of an idea.

Heavy duty cleanroom assembly

Cleanroom mechanical engineering in itself is a specialty, especially when heavy installations and components of up to two thousand kilos are concerned. This requires more than an overhead travelling crane alone; it requires professionals with above-average expert knowledge. Clean and lean, safe and sound. What do you want to have assembled?

Repairs: quick response during malfunctions and defects

Machine defects always occur suddenly and always at an inconvenient time. It is, therefore, necessary to have assistance at the ready. The BKL experts are stand-by with a 24-hour service. Our people carry out on-site repairs throughout the world. They are prepared, resourceful and driven to help you - whenever you need them, wherever you need them, reducing delays to an absolute minimum.

BKL Specials: our employees

The BKL specialists responsible for your production are all experts in their fields and passionate about safety. They think with the end product in mind; they are sensitive to what is needed, they anticipate actions and foresee consequences. They are full-fledged discussion partners and lines of communication are short, as efficient communication contributes to a high-quality end product.

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Brilliance in Services

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Brilliance in Services

Services for additional options

Are you looking for knowledge and expertise outside of your particular line of business? BKL offers additional capacity. As a technical service provider in mechanics and mechatronics we combine knowledge and expertise in a broad service package. We offer, for instance, consultancy, training, maintenance, repairs, reconditioning and tool management for your hoisting and lifting tools. This allows you to make use of additional capacity with which to create value, to increase efficiency and to promote safety. A guiding principle for our work is our passion for safety. We leave nothing to chance and we will never compromise on safety. Our services are aimed at preventing incidents and dealing with (residual) risks in a responsible manner.

Consultancy: fewer risks, more safety

If you want to market a machine within the EU, you may have to comply with the Machine Guideline. How will you handle this? Our consultants will help you make inherently safe machines; risks will be assessed during the concept, design and proto phases. If required, we will define risk-reducing measures. We have specific expertise available regarding hoisting and lifting equipment and can also provide services for non-manually driven machines.

Training programmes for responsible use

Safe and responsible machine handling requires special skills. BKL offers dedicated training programmes for your employees: intensive, customized, at your site or at our Nuenen office. In groups of two and with a maximum of five participants, your employees will be instructed on risks and safe use. The training programme will last 1 - 1.5 days, is characterized by personal attention and is concluded by a practical test.

Maintenance: investing in continuity

Hoisting and lifting tools, pieces of equipment and machines, require occasional maintenance at set times. BKL offers guarantees. We ensure your investment is always in the best condition to enable safe operation. Maintenance is carried out according to the manufacturer's specifications, if necessary in consultation with our engineers. With a company workshop and experts, we are equipped for professional maintenance.

Repairs with a short completion time

BKL will expertly repair your hoisting and lifting tools, pieces of equipment and machines while always keeping in mind that safe use is of paramount importance for your employees. Completion times

are short and parts can be manufactured by us. We have our own workshop and our experts are always optimally focused on each and every assignment.

Reconditioning as a means of sustainability

Are you considering a new lease of life for your machines? Is updating to increase safety an option? BKL reconditions. Remanufacturing can be economically attractive and reuse ties in with corporate social responsibility. This could be your take on sustainability.

Tool management: outsourcing pays off

Efficient management contributes to the best possible use of your tools. It also ensures they are in an excellent condition and ready to be used safely. However, efficient tool management takes time and requires expertise - especially when you have a considerable amount of tools. BKL can provide tool management for you, offers customization and guarantees the best possible availability.

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