

We make **Greentech**  
simple, effective  
and unique

**BELKI** 

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# Basic products combined with BELKI's know-how create unique customised filtration solutions for process fluids

Starting from our basic range of high quality Greentech products, we manage our customers' handling of process fluids.

Our primary areas are coolants, lubricants and washing fluids for degreasing.

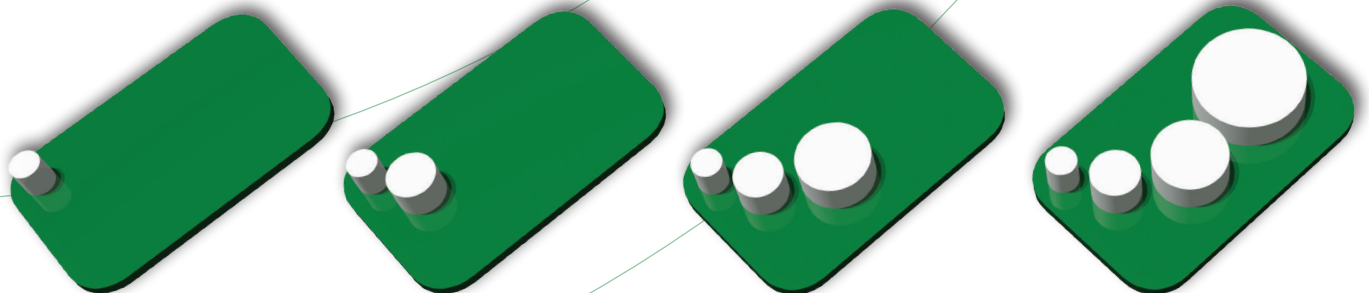
## Innovation and development to serve the customer

Our creative process is based on highly valued, user driven innovation. At BELKI, we consider it an advantage to work in close collaboration with our customers in order to meet their high expectations. This process develops the innovative resources in our business and puts us at the forefront of development.

The keywords in the development process of our products are:

- **High process efficiency**
- **Simplicity of construction**
- **Low maintenance**
- **Lowest possible use of consumables**
- **High operating reliability**

The aim of a BELKI product is to minimise environmental impact, create optimal production conditions and to be a wise investment.



*We deliver everything from simple machines  
to complete, advanced central systems.*



## The BELKI product range is both extensive and efficient

We manufacture and deliver equipment for **separation** and **filtration** of fluids. These may be **stand-alone**, **OEM** or **central systems** which supply many machines in one factory area.

### Oil separation, stand-alone or OEM

Our system for oil separation is used for all types of surface oils from process fluids, and works at temperatures of up to 85°C. The models can clean a surface from 2 m<sup>2</sup> to 35 m<sup>2</sup>.

BELKI offers a wide range of surface skimmers (suction devices) for our oil separators. We can supply the right tilting skimmer unit fitted to tank size, level variations and surface nature/condition. A self-regulating tilting skimmer unit ensures effective and efficient oil separation. BELKI's system is well suited to solutions involving washing fluids and coolants/lubricants.

### Filtration, stand-alone or OEM

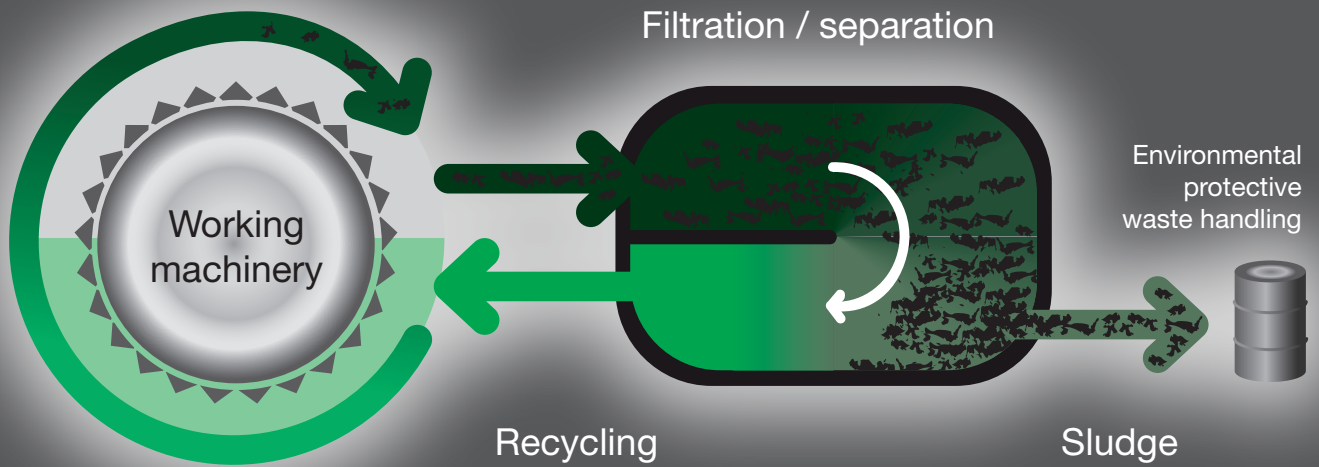
BELKI's filtration programme contains paper band filters, deep bed band filters and magnetic filters. Our paper band filter and deep bed band filter are particularly suited to degreasing baths, processing machines or pre-filtration of wastewater. The band filters handle jobs from 40-500 l/min. BELKI's effective system ensures that the largest remaining particle is a maximum 20-40 µm.

Magnetic filtering is filtering without filter media, and the method is particularly suited to fine filtration of many different types of oil and fluids at temperatures of up to 80°C. Magnetic filters capture particles right down to below 10 µm, and the filters have a capacity of 250-1000 l/min.

### Central systems

Taking our basic equipment as a starting point, we design and build central systems which are effective, environmentally friendly and economic.

BELKI's central systems are adapted to our customers' demands, as we recognise that they often have unique needs and problems. BELKI has therefore specialised in rapidly and effectively developing essential and supplementary equipment. If necessary, the central system will be adapted to the building's physical conditions.



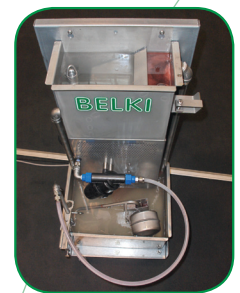
## Green is not just a colour

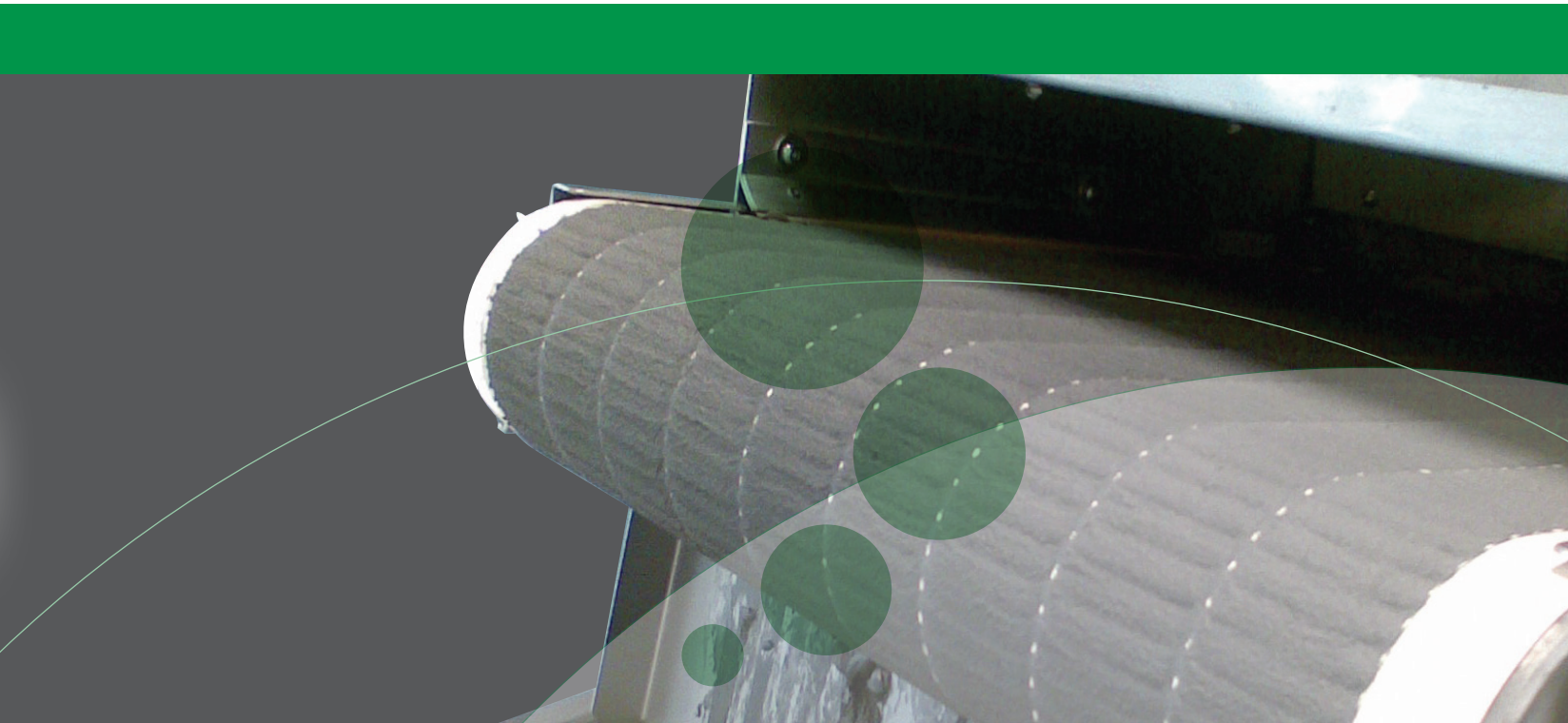
To think „green“ is to minimise energy consumption, material consumption and environmental impact. At the same time stable and efficient production equipment will improve your business economics.

BELKI is a keen developer of Greentech solutions that optimize profit on the bottom line. We use the simplicity of natural forces such as gravity, magnetism, centrifugal force, specific gravity difference and particle size to solve complex tasks in a wonderfully simple way.

The effects are clear results for the customer, such as:

- **Extended lifetime of the process fluid**
  - **Longer lifetime for tools**
  - **Fewer maintenance hours**
  - **Less energy consumption**
  - **Improved product quality**
  - **Cleaner working environment**
  - **Less intensive cleaning work**
  - **Fewer waste deposits**
- = **Better results on the bottom line**





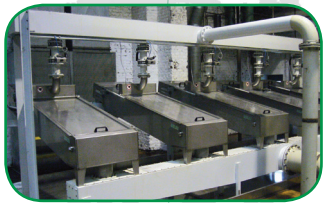
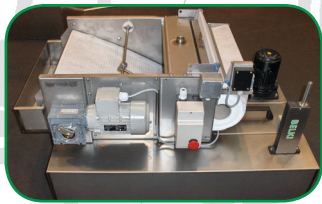
## The future starts here

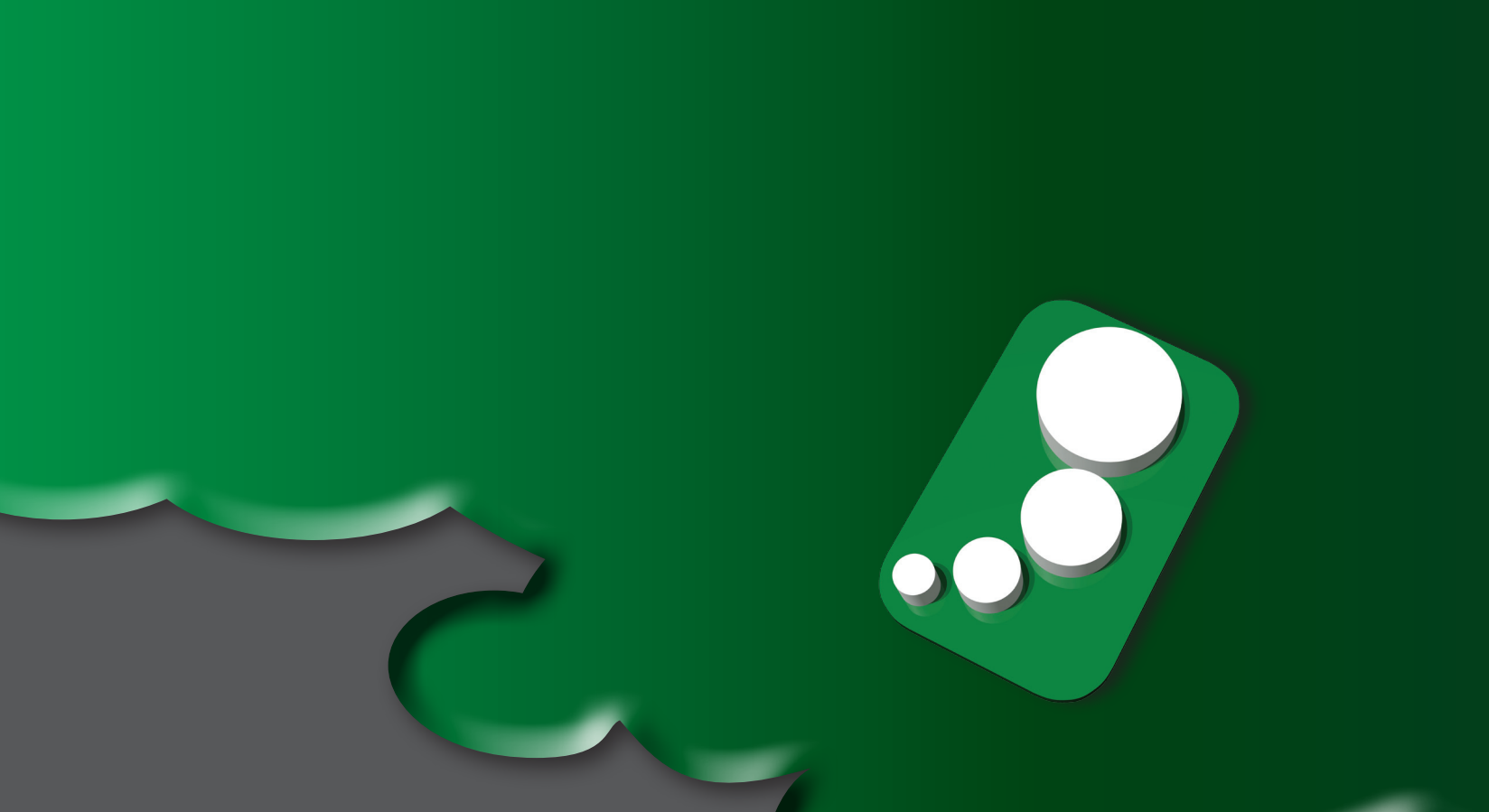
IT based monitoring is one further example of BELKI's innovation, and our aim of being the industry leader also applies to IT.

IT allows customers to easily monitor processes in the production, at the same time creating a logbook of necessary documentation both for internal use and for use by the authorities. The system is supplied with equipment for automatic post-dosing so that the desired concentration can be maintained.

This has major advantages for the metal cutting industry, for example:

- **Optimising processes**
- **Avoiding unintended events, for example overflow and incorrect concentrations**
- **Avoiding production stops and clean-up hours**
- **Ensuring fluid to the production processes via control of the pressure in the supply pipe**
- **Minimising manual monitoring and filling**
- **Minimising tool wear**
- **Improving product quality**
- **Extending the lifetime of coolants/lubricants**
- **Improving the internal working environment (bad smells)**
- **Minimising the risk of allergies, discomfort and illness due to bacterial growth**





## The art of knowledge

The development from a small agricultural forge that was established back in 1888, to our current position as a leading business within filtration of process fluids, is evidence of our focus on innovation over many years of experience.

In the 1960s the forge moved to larger premises, and serious development of new, innovative products began when manufacturer Ivan Skjellerup took over the factory in 1979. The first paper band filter was designed and produced during the 1980s and the foundation of BELKI was laid. Today BELKI has over 2,000 m<sup>2</sup> of premises at its disposal.

Our products now handle important filtration and cleaning functions for businesses including Grundfos, Danfoss, Opel, VW, BMW, MAN Diesel & Turbo, Swarovski, Federal Mogul and GM – simply because we have mastered the art of knowledge!



Filtration with capacity

**BELKI teknik ApS** – Fårupvej 19 • DK-8840 Rødkærsbro  
Tel: +45 8665 8811 • Fax +45 8665 8937  
[www.belki.dk](http://www.belki.dk) • [post@belki.dk](mailto:post@belki.dk)

**BELKI Filtertechnik GmbH** - Ostpromenade 54 • D-52525 Heinsberg  
Tel +49 (0) 2452 10651-27 • Fax +49 (0) 2452 10651-29  
[www.belki.dk](http://www.belki.dk) • [info@belki-gmbh.com](mailto:info@belki-gmbh.com)

**BELKI Filtration LLC** – 5550 Edgar Road • Clarkston, MI 48346  
Tel +1 248 620 1340  
[www.belkifiltrationusa.com](http://www.belkifiltrationusa.com)