

**Global innovation for ultra-fine filtration  
of oil and aqueous solutions.**



## Benefit from your reliable expert in filter technology



Lehmann-UMT GmbH is a globally operating filter manufacturer and specialises in the filtration of liquids.

With over 20 years of experience, we deliver exactly what you need.

Our own research and development ensures continuous innovation for efficient and durable products.

This means you get the best filter solution for your application.

Our specialised and in-house test laboratory will determine the most efficient filter solution for your application.

The test bench with a glass dome makes the filtration performance 100% visible for you, guaranteeing maximum efficiency and service life during operation.

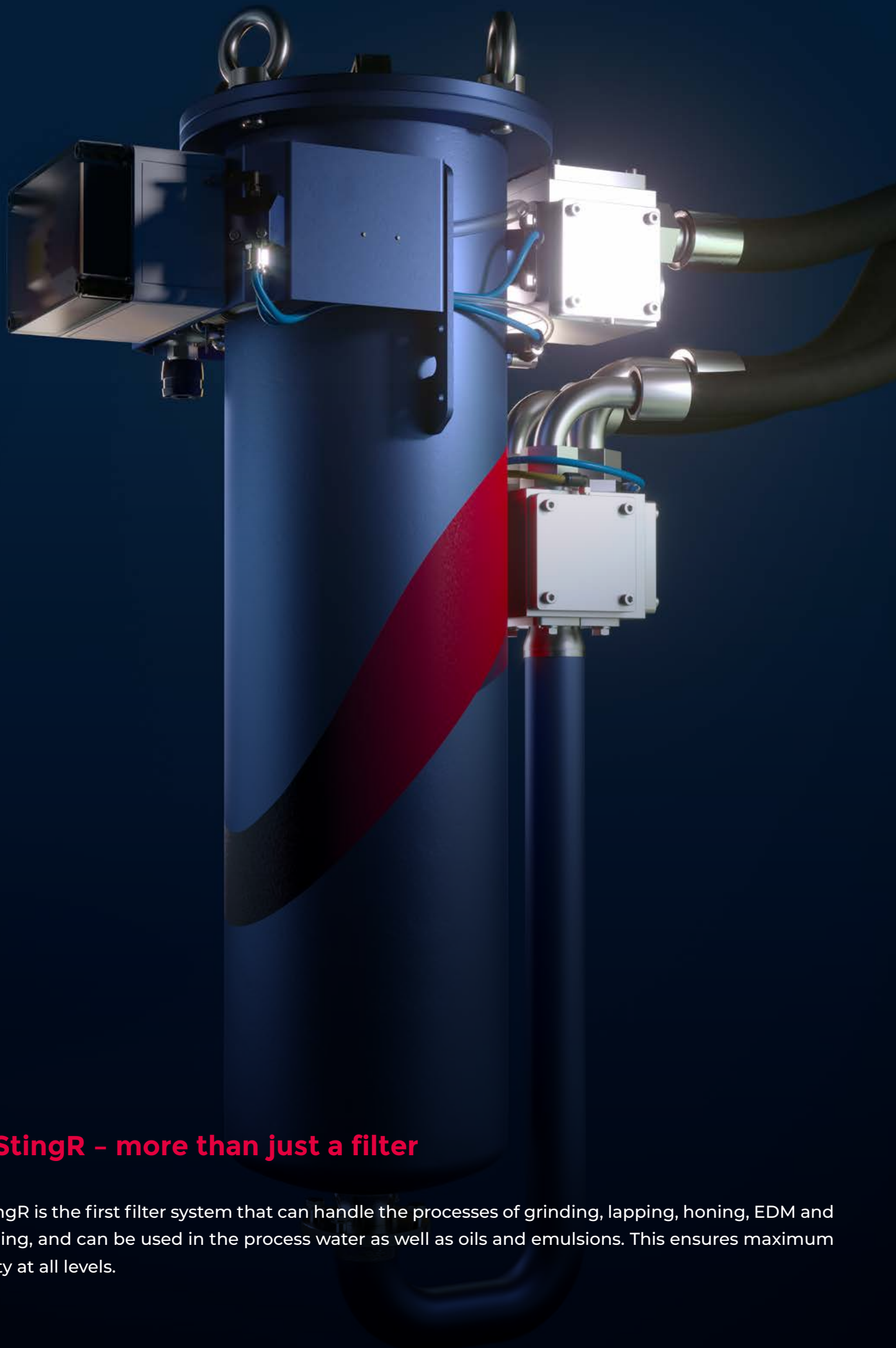
### **Your bottom line:**

Highest process reliability with permanent cost reduction.

**Book your appointment here:**

And find out more at [www.stingR.de](http://www.stingR.de)





## **The StingR - more than just a filter**

The StingR is the first filter system that can handle the processes of grinding, lapping, honing, EDM and machining, and can be used in the process water as well as oils and emulsions. This ensures maximum flexibility at all levels.

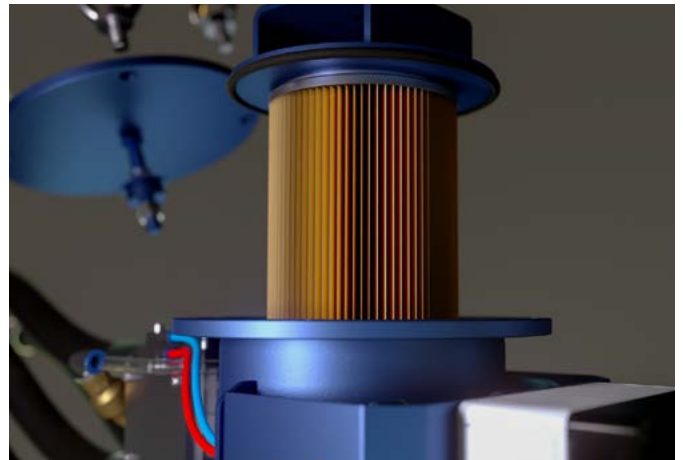
## Your benefits

The patented pneumatic backwash concept enables

- + **Maximum flexibility** for process-related filtering due to modular design
- + **Maximum investment security** due to precise design for processes down to 1 µm
- + Low maintenance, no disposal costs and therefore **maximum sustainability** due to operation without filter aids
- + Continuous build up of the filter cake
- + 100% checking, **Industry 4.0**, each dome is individually monitored
- + **Reduction in operating costs** due to earliest filter cartridge change after 6 – 24 months
- + Highest availability of the filter surface and guaranteed **maximum process reliability**
- + Shortest backwash times (< 9 s), reduction in agglomeration and significant **extension of the service life**



Filter cartridge change in < 58 seconds



Precisely fitting filtration

## Potential savings

Space in production

**-53%**

Energy costs / operating costs

**-35%**

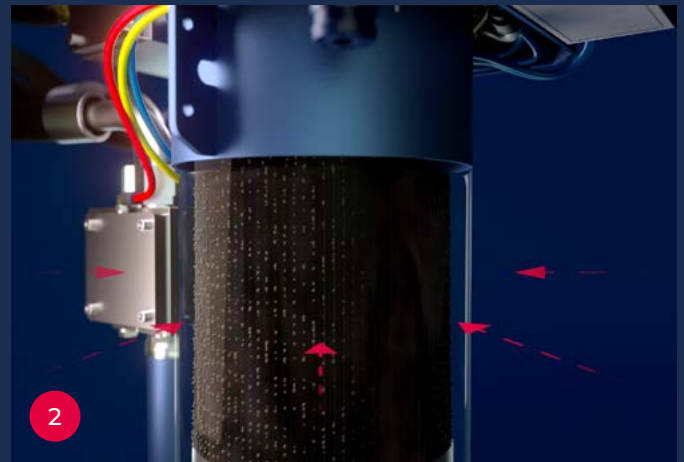
Investment costs

**-22%**

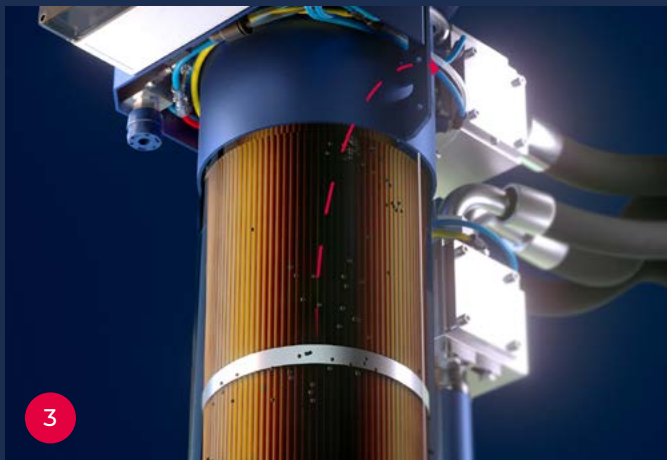
## Mode of function



The filter element is flooded with the dirty medium.



The dirt is collected by the filter elements and the filter cake builds up.



The clean medium is immediately available again.



A backwashing by pressure pulse is triggered by a pressure differential, and reactivates the filter surface.



Scan the QR code and watch the video at [www.stingR.de](http://www.stingR.de)

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