



cleaning
systems
for liquids

Case Study

Washing bath replacement only once a year – MKR ultrafiltration increases efficiency

An industrial metal forming company specialising in sophisticated forming technology relies on efficient, high-quality manufacturing processes. However, the company reached its limits in the area of parts cleaning. The service life of the washing baths was insufficient, which led to high costs, downtime and unnecessary operating expenses. On the recommendation of the manufacturer of the parts cleaning system, the company turned to the experts at MKR Metzger.

Initial situation

In the existing process, the washing baths were completely renewed every two weeks. Each of these complete replacements involved time-consuming cleaning of the entire system, which not only incurred time and costs but also impaired productivity.

Project at a Glance

Project:

Efficient bypass maintenance using ultrafiltration to extend the service life of the washing baths

System Technology:

- UC 1 ultrafiltration system

Customer:

Industrial company in metal forming

Contractor:

MKR Metzger GmbH
Rappenfeldstraße 4
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Requirements

- Significant extension of the service life of the washing bath
- Minimization of time-consuming system cleaning
- Reduction of operating costs and downtime
- Stabilization of cleaning quality during the ongoing process

Solution by MKR

MKR recommended the use of a **UC 1** ultrafiltration system for bypass maintenance of the washing baths. This technology enables continuous removal of oils and other contaminants from the washing bath without interrupting the production process. Ultrafiltration keeps the bath quality stable in the long term.

Results

- Extension of the washing bath service life from 2 weeks to up to 12 months
- Significant reduction in operating costs due to lower fresh water and chemical consumption
- Minimized cleaning effort for the system
- Stable cleaning quality over the entire period
- Contribution to more sustainable, resource-saving operation

