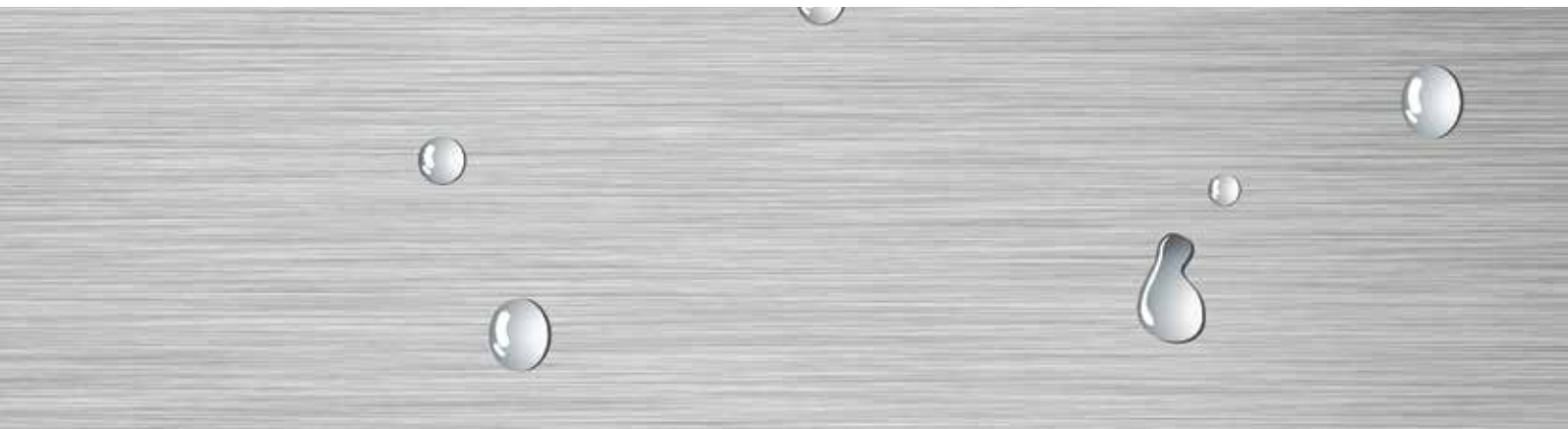




Yukon



Flow-through systems



Pure Technology.

Customized cleanliness

Efficient cleaning despite increasing requirements for the technical cleanliness of products? Our solutions help you, the user, to master this challenge. Each system is individually designed because different customers can have very different requirements.

Our support and design staff can fall back on their experience from numerous implemented projects. Cleaning trials with the original components at our Technical Center give you, the user, the reassurance of a safe investment for their plant while also determining the exact parameters for cleaning chemicals, time and temperature.

BvL systems reliably clean your components and can be integrated seamlessly into your production processes. They are easy to operate and comply with the strict guidelines of the automotive industry. In addition, they are designed in line with the Machinery Directive 2006/42/EC, C standard EN 12921 and the German Accident Prevention Regulations (UVV).

- Solid design & long service life
- Guaranteed cleaning success
- Intuitive operation
- Easy access for easy maintenance
- High-quality components from renowned manufacturers
- Quality "Made in Germany"
- Specialist firm according to the German Water Management Act (WHG), certified management systems





for high throughput

for continuous material flow

as in-line solutions

for integration into the
production process



Brief description

Yukon DA is a spray cleaning system for continuous material flow which is adapted to customer requirements. The parts pass through the successive treatment zones continuously (synchronized if required). Cleaning is carried out by moving the parts past the fixed nozzle systems.

Basic system

Cleaning system:	Spray cleaning with flat spray nozzles
Functional principle:	Flow-through process
Number of tanks:	Single or multiple tank systems
Loading:	Manual or automated
Housing:	Stainless steel
Tank insulation:	Stainless steel
Control and operation:	Siemens Simatic with Siemens touch panel
Bath monitoring:	Libelle Fluid Control

Speedy and individual.



Cleaning technology

- Surrounding nozzle frame, offset nozzle arrangement allows cleaning from all sides
- Separation of treatment zones reduces mixing
- Nozzles and nozzle frames adapted to the component
- Usable dimensions, load capacities and pump capacities can be adapted



Options and supplements

- Drying systems: air blast device, circulating air drying, vacuum drying
- Handling: workpiece carrier, clamp, multi-track, with separate drives if required, adapted to on-site conveyor technology (chutes, roller conveyors, robot loading, automation)
- Cleaning capacity adapted to customer requirements
- Bath maintenance options (e.g. filtration systems, oil separator)
- Process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control, remote diagnosis
- Cooling systems, degaussing systems
- Floor drip tray
- Other system components



Smart Cleaning

Intelligent cleaning with **BvL** apps and digital networking!
Transparent process information for predictive diagnostics and maintenance of the system: efficient and automatic.



Processing steps

The processing steps are carried out in successive treatment zones:

- Spray cleaning – sequence of different wet treatment zones (washing, degreasing, phosphating, rinsing, passivating)
- Drying



Two-lane wire conveyor belt
for smaller, different components



Plastic conveyor
for sensitive component surfaces



Belt washing system

- material wound on coils
- on-site conveyor system



Chain conveyor
with screw fixed workpiece carriers and adapted nozzle system



Slat conveyors
for high loads



Adapted nozzles

for targeted inside cleaning and drying of bores



Overhead conveyor

- universal workpiece carrier system
- power and free conveyors



Versions and conveyor systems

The right system for any requirement: **BvL** flow-through systems adapt perfectly to your production process. We have the right conveyor system for your component based on its size, geometry and weight. The nozzle systems are also customized to suit your components, ensuring thorough cleaning even in hard-to-reach places.

Sizes

Usable length, width and height, as well as the load capacity and tank volume, are individually adapted.

System examples	Unit	Example 1	Example 2
Usable width	in	10	79
Usable height	in	4	31
Load capacity	lb	44	882
Tank volume 1	gal	251	1,321
Tank volume 2	gal	-	792
Tank volume 3	gal	-	792
Tank volume 4	gal	-	1,321
Tank volume 5	gal	-	792
Overall system length	in	94	1,161
Other technical data and on-site services on requests			



BvL Oberflächentechnik GmbH

Grenzstr. 16
48488 Emsbüren
Germany
Phone: +49 5903 951-60
Fax: +49 5903 951-90
Email: info@bvl-group.de
Internet: www.bvl-group.de

Pure Technology.