



***Yukon***



**Conveyor systems**



**Pure Technology.**

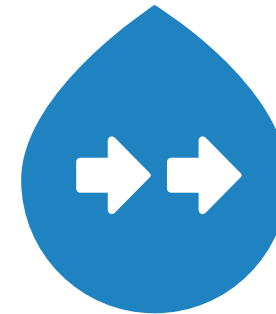
# Customised cleanliness

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

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

**BvL** systems provide reliable cleaning for your workpieces and can be integrated seamlessly into the production line. They are easy to operate and comply with the strict guidelines of the automotive industry. In addition, they are designed in line with the Machine Directive 2006/42/EC, C standard EN 12921 and the German Accident Prevention Regulations (UVV).

- solid design and long service life
- simple operation
- easy access for easy maintenance
- quality components, e.g. from Siemens, Festo, KSB
- quality "Made in Germany"



**Yukon**  
DAD | DAK | DAH | DAS



for high throughput

for continuous material flow

as in-line solutions

for integration into the production process



### Brief description

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

### Basic system

Cleaning system:	spray cleaning with flat spray nozzles
Rotation:	flow-through process
Number of tanks:	1–X
Loading:	from the front, individual loading of the charging station
Housing:	stainless steel
Tank insulation:	stainless steel
Control and operation:	Siemens Simatic with operating 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 workpiece
- max. permitted load and permitted dimensions adapted



### Options and supplements

- drying systems: blow-off device, circulating air 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: centrifuges, plate phase separators, belt filters, removal of shavings and grease
- process reliability: Libelle, remote diagnosis
- cooling systems, degaussing systems
- floor drip tray
- other system components



### Measuring bath contamination

New standard feature! On the occasion of our 25<sup>th</sup> anniversary, **BvL** are equipping all systems with the bath contamination monitoring system **Libelle Fluid Control** as a standard.



### Processing steps

The processing steps in successive treatment zones:

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





#### Wire conveyor

- for smaller, different workpieces
- multi track or track separation also possible



#### Plastic conveyor

for sensitive component surfaces



#### Belt cleaning system

- material wound on coils
- on-site conveyor system



#### Chain conveyor

for similar parts without workpiece carriers or for parts on (screw fixed) workpiece holders or in baskets



#### slat conveyors

for heavy loads



#### Adapted nozzles

for targeted inside cleaning of borings



#### Overhead conveyor

- for larger parts
- power and free conveyors
- use of on-site conveyor systems



#### Versions and conveyor systems

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

#### Sizes

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

System examples	Unit	Ex. 1	Ex. 2
Usable width	mm	250	2,000
Usable height	mm	100	800
Loading capacity	kg	20	400
Tank volume 1	l	950	5,000
Tank volume 2	l	-	3,000
Tank volume 3	l	-	3,000
Tank volume 4	l	-	5,000
Tank volume 5	l	-	3,000
Total length	mm	2,400	29,500
other technical data and on-site services on request			



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