



Rotary indexing systems



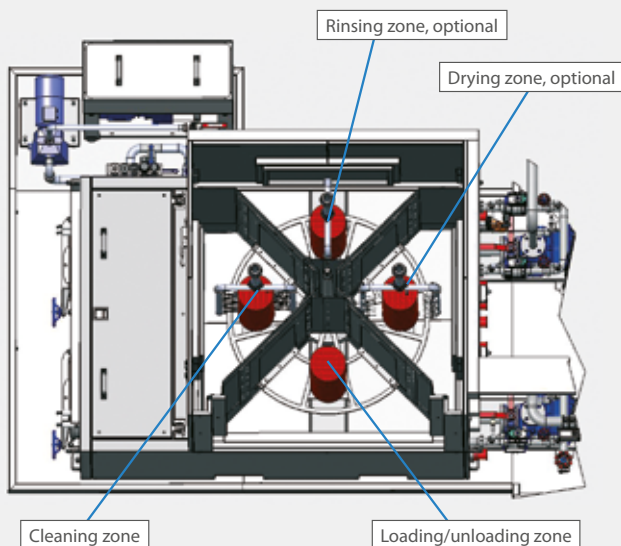
Efficient cleaning on a rotating platform. *Twister*

Application areas and benefits

- Optimum part cleanliness for greater process reliability
- Compact cleaning solution with low space requirements
- Simple to implement in robot cells and production lines
- Automated or manual feed
- Loading/unloading in the same position
- For large quantities and short cycle times
- Can be combined with high-pressure/lance technology

Sample design

Treatment zones individually adaptable



Cleaning technology

- Circular treatment zone layout
- Rotating platform for mounting and moving the parts
- Spray cleaning with vertically rotating nozzle system
- 360° part cleaning with special nozzle system
- Simultaneous treatment of the parts in one working chamber
- Nozzles and nozzle frames can be adapted to the part
- Working dimensions, load capacities, and pump capacities can be adapted



Processing steps

- Parts proceed through the process steps within a chamber in various treatment zones
- Washing, rinsing (optional), drying (optional)
 - The treatment zones can be adapted individually



Options and extensions

- High-performance drying system, designed for complex part geometries
- Increased pump capacity
- Bath maintenance options
- Process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control, remote diagnosis
- Cascade guiding
- Handling systems: gantry cells, robots
- Floor drip tray
- Can be combined with high-pressure/lance technology
- 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.

Technical information

Brief description

The **TwisterRT** is a rotary indexing system in which the parts are transported via a rotating platform through the treatment zones. The loading/unloading zone is in the same position. Cleaning is performed with a powered rotating nozzle system.

Basic system

Cleaning system:	Spray cleaning with fan nozzles
Functional principle :	Turntable with multiple treatment zones and rotating nozzle systems
Number of tanks:	Single and multiple tank systems
Loading:	Front loading and unloading in the same position
Housing:	Stainless steel
Tank insulation:	Stainless steel
Control and operation:	Siemens Simatic with Siemens touch panel
Bath monitoring:	Libelle Fluid Control

Sample system – TwisterRT	Unit	
Usable diameter	in	8
Usable height	in	24
Load capacity	lb	44
Tank capacity – tank I and II	gal	174
Other technical data and on-site services on request		

Detail views



View of the loading/unloading zone: here with a customer-specific mount for parts

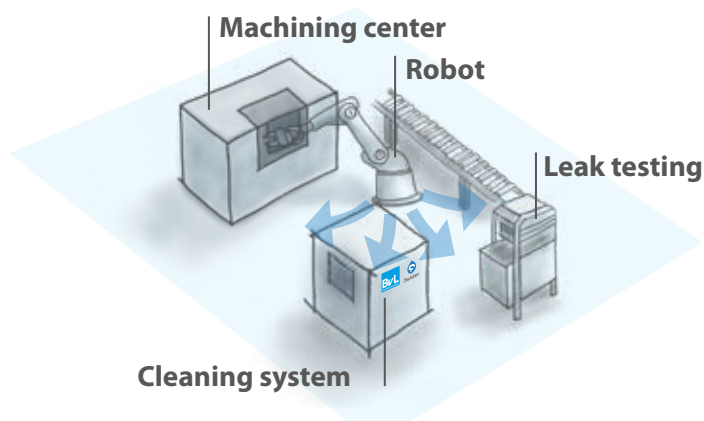


View of the drying zone: Drying with a rotating nozzle system and high-performance side channel blower

Everything from one source!

The **Twister** integrates seamlessly with your production process. All interfaces are optimally coordinated with one another. As a specialist with long experience of the demanding requirements for part cleaning, **BvL** can offer standardized quality systems that can be individually customized. This produces modular solutions that are a perfect fit for your application.

Process example: deployment in robot cells



Perfect cleanliness with a minimal footprint



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