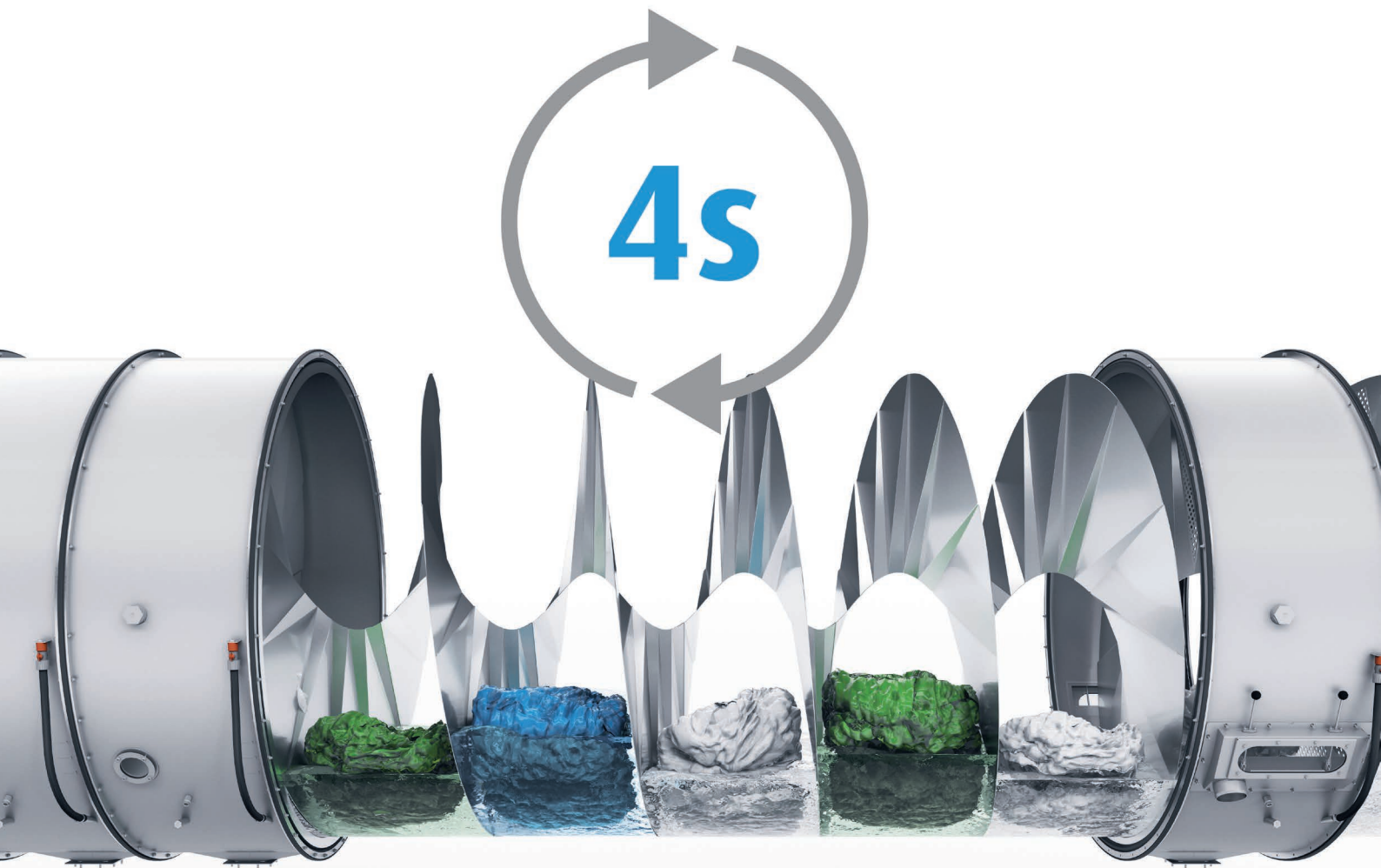


JENSEN UniQ Tunnel Washer

The brand new JENSEN tunnel washer:
Washroom technology redefined





JENSEN – Setting new standards

The brand new JENSEN UniQ tunnel washer is based on concepts that have been proven over many years and have been specifically further developed. At the same time, thanks to its numerous innovations, it is a revolution. The unique FlexWash technology with full batch integrity offers maximum flexibility and excellent washing performance. JENSEN has revolutionized the market with its incredibly versatile tunnel washers: Around 4000 tunnel washers sold worldwide are the proof.

JENSEN tunnel washers have the shortest transfer times in the industry thanks to the open drum design without scoops. The entire batch is transported to the next compartment in just 4 seconds thanks to the proven Archimedean helix.

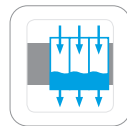
The combination of the widest possible range of linen types and extremely low media consumption is now reality in the new JENSEN UniQ. This allows for an even higher level of operating efficiency to be achieved.

The JENSEN UniQ is ideally suited for almost all areas of application. Thanks to a wide range of optional packages, it adapts to your individual needs, from lightly to heavily soiled linen. The modern

design of the machine meets the highest safety and hygiene requirements. At the same time, very little maintenance is required.

Maximum productivity and process flexibility

FlexRinse



Successful tunnel washers from JENSEN stand for high productivity, reliability and flexibility. FlexWash and FlexRinse technologies ensure full batch integrity throughout the machine and provide full process control on every batch. Transfer is up to 50% faster than in conventional tunnel washers thanks to the open drum design. Each batch remains in its own bath with its own individually programmed detergent amount, process water temperature, bath level and other parameters. JENSEN was the first manufacturer in the world to develop and market the FlexWash process.

In the basic configuration of the JENSEN UniQ, washing in the prewash and main wash areas takes place in standing baths (bath exchange process) and rinsing in counterflow. Each batch remains in its own bath with an individually programmed detergent amount, process water temperature, bath level, etc. until the rinse zone starts. In the basic version, a counterflow is used for the

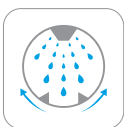


rinsing process. A patented rinsing process guarantees that fresh water consumption is reduced by up to 10%. A drain valve in the first rinsing compartment is controlled so that it opens several times and the rinsing liquor is diluted very quickly. In this way, an excellent rinsing effect and lint removal are achieved with minimal fresh water consumption. For special applications, such as frequent color changes during the batch sequence, the rinsing zone can also be divided into completely separate baths. FlexRinse, for example, also uses a bath exchange process during rinsing.

Best washing performance

For the adaption to different types of linen and for the further optimization of the media consumption, the UniQ can be upgraded with the following options:

QuickSoak



QuickSoak (patent) gives the linen an extra shower in the first compartment. In this way, maximum soaking effect and a more active washing performance can be achieved. They can handle a wide variety of linen types with extremely low consumption, the best washing performance and productivity. No additional motors or pumps are required, so no resources are consumed.

EcoTune (Option)



Runs perfectly smooth. EcoTune controls the precise rotation of the drum and ensures a smooth change in the direction of rotation. It also improves wash quality and gently processes delicate linen. With the JENSEN UniQ, everything is guaranteed to run smoothly for your laundry and your linen. With EcoTune, the washing mechanisms can be adjusted even more finely. The result: improved wash quality and gentler treatment of textiles. For even less wear, the drum is driven more gently thanks to optimum motor control. Precisely controlled bath levels and the programmable swivel angle ensure the best washing performance: The pivoting angle of the drum can be set up to 285° for each program. This means that the washing mechanisms can be adjusted to the requirements of each type of linen. This is made possible by an encoder on the drive motor, a sophisticated motor management system and advanced software. In turn, the drum is also driven more gently as a result. EcoTune is flanked by water level control with pressure sensors on the prewash area bath exchange compartment. This allows the predefined liquor levels to be determined even more precisely. That saves water, energy and detergent.



UVClean (Option)



The new UVClean system (patent) ensures hygiene by automatically preventing bacterial growth in double drum sections without the need for chemical aids. The development of UVClean shows

how much JENSEN cares about achieving hygienic results, avoiding the use of additional chemicals and offering low-maintenance systems. UVClean automatically sanitizes the area between the outer and inner drums using UV light. The UV light has an antibacterial effect and has been shown to inhibit the growth of bacterial cultures. This improves the general hygiene in the areas concerned. In successful field tests, UVClean prevented the development of bacteria and also controlled and removed existing accumulations of them in the machines. The UV light of the UVClean system keeps the irradiated areas clean without chemical additives and has a favorable effect on the consumption of the product used. The system is positioned on a double drum in such a way that maintenance work can be carried out easily. The JENSEN UVClean system is highly effective in further improving the hygienic properties of a tunnel washer.

EcoSafeguard (Option)



With EcoSafeguard, the pH and conductivity values as well as the water hardness are automatically monitored and logged. This improves the quality assurance of the laundry. This leads to more

satisfied customers and higher productivity thanks to a low rewash. Laundries can document and compare the quality of washing results based on the measurement data logged in the log file. EcoSafeguard has the exact values and limits as well as an automatic alarm when parameters are outside these limits. Independent process monitoring increases wash quality and enables a quick response to any irregularities.



The new efficient way to work Easy maintenance

ErgoVision (Option)



The new ErgoVision video monitoring system from JENSEN for the loading and unloading process ensures greater operational safety. It makes operations safer in general, while simplifying

monitoring and saving valuable time. The video-based monitoring system shows the loading and unloading areas of the tunnel washer in real time. Video images are displayed in clear, high-resolution format, allowing intuitive monitoring of the loading and unloading process at a glance. Any malfunction that occurs during loading or unloading is detected early thanks to ErgoVision. It can be localized and remedied accordingly. This saves valuable time, contributes to reliably high system productivity rates and increases safety.

JENSEN has reduced the need for drive motors and pumps with the ingenious design of the tunnel washer. Equipment from other suppliers require up to four times as many motors. The assembly and maintenance of the machine are therefore very simple.

The drum is driven by a frequency-controlled gear motor and an extremely robust and hard-wearing toothed chain. This drive system has already proven itself thousands of times, even under the most severe conditions, such as 24/7 operation. The entire drive is extremely reliable, saves energy and requires little maintenance. The automatic lubrication of the chain has integrated monitoring of the lubricant supply.

Wide overflows in the rinse zone allow extremely easy and fast lint removal. The new automatic cleaning device (option) inside the overflow boxes removes residues such as lint, hair and chemicals effortlessly for the best hygienic conditions. The pH and conductivity connections can also be perfectly cleaned with an optional cleaning nozzle in the connecting pipe.

Operator safety

Our machine safety goes beyond current regulations to ensure a safe and productive workplace.



Only 4 seconds for a complete batch: the shortest transfer time in the industry.



Unique steam nozzles for super fast heating of the liquor

Maximum efficiency and sustainability

The heart of the JENSEN UniQ

The heart of the tunnel washer is its drum with an eccentric Archimedean helix that makes optimum use of the drum volume. It creates an extremely efficient washing mechanism while safely transporting the linen batch. The open drum design is the prerequisite for very short transfer times: JENSEN tunnel washers have the shortest transfer times in the industry. The entire batch is transported to the next compartment in just 4 seconds. The entire drum is manufactured to exact tolerances on one of the world's largest lathes. The lathe guarantees the exact diameter of the rings. This is a prerequisite for an optimum fit and a long service life of the drum seals. Since the path rings are precision-turned, the drum runs extremely smoothly. The links of the chain are tooth-shaped and taper upwards so that the force is distributed evenly over the entire shape of the tooth - enjoy the peace and quiet!



Tooth chain drive with automatic lubrication system

JENSEN's intelligent drum design allows for a lighter drum without compromising strength. As a result, less operating energy is required. This unique design and the fact that the helix is fully welded to the inner drum (without vertical partitions) gives the drum an exceptional degree of strength and stability. The eccentric design of the helix makes much better use of the drum volume than is the case with conventional equipment with drums of similar diameter and depth. The drum is driven by a frequency-controlled gear motor and an extremely robust and hard-wearing toothed chain. High ribs ensure that the wash and liquor are thoroughly mixed. The excellent washing mechanics are made even more efficient by the washboard-like helix, which provides mechanical action from multiple directions. The extremely fast transfer of items from one compartment to the next results in increased productivity, as this leaves more time for the washing process itself.



Cascade lint filter system LintEx

And action!

The highly efficient washing process and reliable transportation method are really remarkable. Compared to other tunnel washers, which require a significantly larger drum diameter, the drum diameter of the UniQ is utilized much more efficient thanks to its patented eccentric Archimedean helix. The swivel angle of up to 285° enables high drop curves and above-average washing mechanics. With EcoTanks, the swivel angle can be adjusted per program. This is further enhanced by the washboard-like shape of the helix. The optimal drum design ensures excellent mechanical action and reliable batch transfer.

Highly efficient heating process

The unique design of the high-speed steam nozzle - ideally adapted to the drum geometry - guarantees a highly efficient heating process that saves time and money. The steam is injected from the bottom upwards from the bottom of the double drum towards the linen. Combined with the semi-circular design of the steam nozzle, the heat is provided very efficiently and distributed to the batch for best washing performance. Unlike conventional equipment with simple heating boxes below the drum, there is no loss of time and energy.



External EcoTanks for additional storage volume

EcoTanks

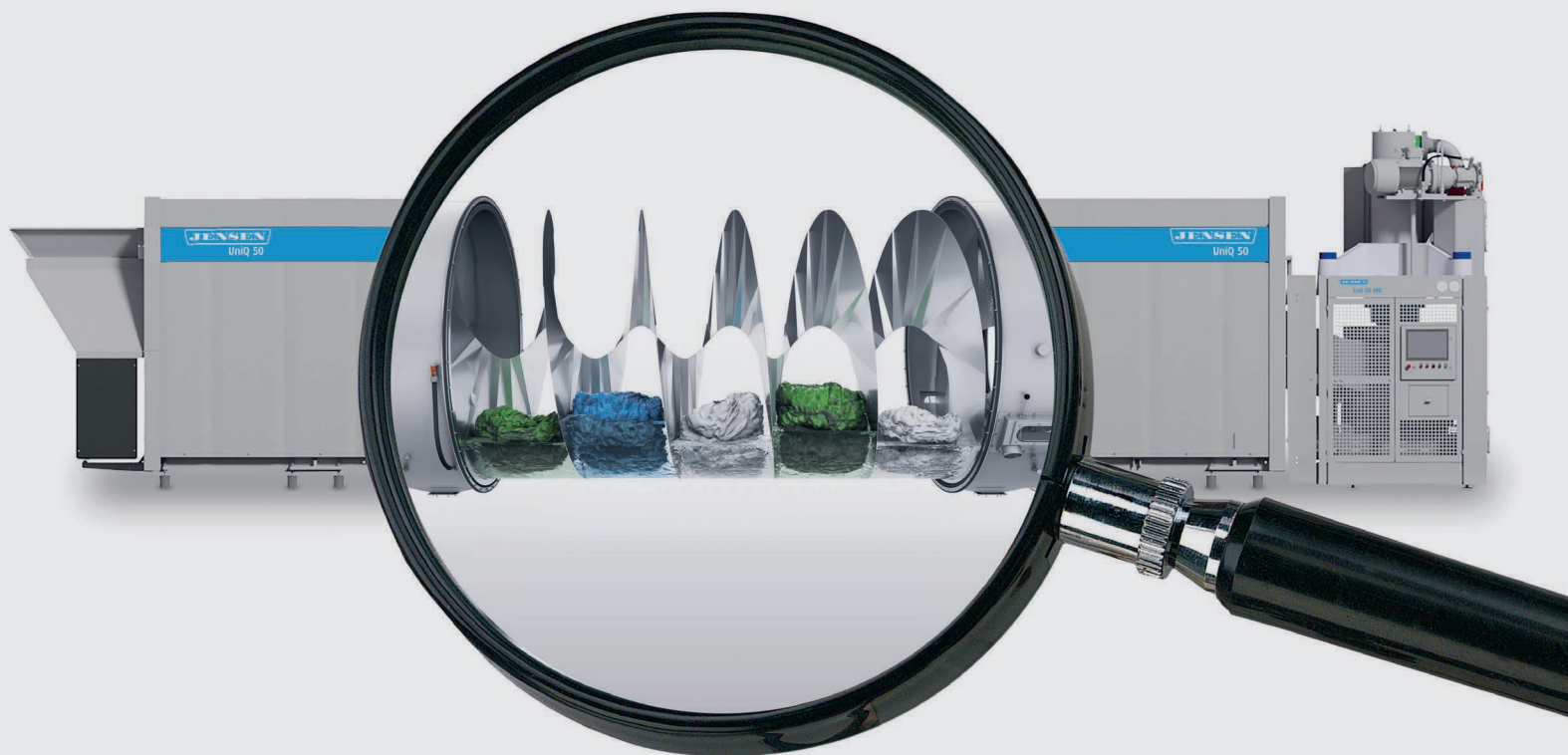
With EcoTanks, very low water consumption can be achieved in production runs with frequent color changes (e.g. when processing uniforms with different colors), as the differently colored process waters can be recovered in separate tanks before being returned to the process. In this way, maximum flexibility and productivity can be combined with the best economy. EcoTanks are available in different sizes and equipment.

Fast and easy lint removal

LintEx (optional), the modular lint filter system for removing lint, combines additional cascade lint filters with specially designed foam overflow boxes on the double drums. The new automatic cleaning device (optional) with lint sensor provides an automated cleaning cycle of the curved lint filter.

AutoFilter

The AutoFilter (optional) is a fully automatically controlled disc filter with backwash function integrated into the tunnel washer.



Washroom technology redefined

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Erhältliche Modelle

JENSEN UniQ 25 JENSEN UniQ 40 JENSEN UniQ 50
 JENSEN UniQ 60 JENSEN UniQ 75 JENSEN UniQ 90
 JENSEN UniQ 100 JENSEN UniQ 120

The FlexRinse process is included as standard on the UniQ 100 and 120 and is available as an option on the UniQ 25-90.

Installation

JENSEN is pleased to assist you in planning your laundry by providing excellent advice, layouts and technical data. Authorised JENSEN distributors or JENSEN engineers should carry out the installation to ensure that it is performed correctly.

Service

In addition, JENSEN provides an extraordinary after-sales service through a worldwide network of highly qualified Sales and Service Centres and distributors, all with their own maintenance and spare parts services.

Call us...

JENSEN provides a complete range of heavy-duty equipment for the laundry industry, delivered and installed according to your specifications. Please do not hesitate to contact us for further advice and information, or visit www.jensen-group.com

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