LAVATEC
Laundry Technology GmbH

Laundry Systems

The new perspective on efficiency & cleanliness.

Lavatec Laundry Systems.
The big difference: flexibility and durability.

Lavatecs' core strength : Fully automatic washing, water extraction and drying.

„Lavatec laundry products are an investment
in lowering operating costs and improving the profitability."

Wolf-Peter Graeser, CEO of Lavatec Laundry Technology GmbH

The new perspective on efficiency & cleanliness.

Lavatec Laundry Technology GmbH represents a new perspective in economy, efficiency and cleanliness. Our products, whether they are concerned with washing, water-extraction, drying, ironing or transportation can provide fully automated laundry solutions. Customers from the very largest commercial and industrial laundries, hotels and hospitals, depend on our product technology for their Laundry economy.

Our portfolio incorporates sorting and washing, loading and unloading, pressing and drying. In addition we can supply ironers, feeding, folding, stacking and associated machinery. Fully automatic washing, water-extraction and drying are our core business, but on request we can also plan, design and develop special, custom-designed, equipment or machines for specialized applications.

All systems are monitored and controlled by computer. Low energy requirements make investing in Lavatec Laundry equipment an environmentally friendly choice. Lavatec laundry systems guarantee excellent environmental properties and low maintenance costs, at the same time they provide for the highest process performance coupled with efficient and cost-effective operation.

Our success is due to our consistent product philosophy: maximum performance combined with solid construction. For our customers, we provide flexible and cost-effective equipment which is simple to operate and maintain, for trouble-free running.

Our machines deliver the highest levels of equipment design, function and process engineering.

We guarantee the performance, reliability and profitability of all our products.

The knowledge of experts.
The optimal solution!

We set standards.

Because of our development work and the experience of our long-time employees, in the past two decades we have brought significant technical innovations to the market and subsequently shaped the standard of modern laundry equipment. Our designers, engineers and technicians have gathered many years of experience in the laundry industry on Continuous Tunnel Washer technology, press and dryer development. The effectiveness of existing laundries is based on their knowledge of planning, construction and manufacturing.

It is more than 20 years since the forerunner of our present company was founded, today we are the leading provider of laundry equipment and machinery. We operate our main production facility at the central site in Germany and we have subsidiaries in France, Italy and the USA. With the help of experienced partners we are able to serve markets around the world. Our marketing strategy is based on a world-wide network of reliable partners and distributors.

The Lavatec technology centre and production facility in Heilbronn.

Technicians planning todays Lavatec Laundry Technology projects. In the past, the same engineers were instrumental in shaping the present face of the laundry industry.

Comprehensive service - economic performance.

We maintain best customer relationships with superior customer service. Our technicians and installation engineers advise customers on site and plan systems depending on their specific demands, using our vast knowledge and expertise.

A service hotline is available for all new systems and whatever parts or information are required, they will be delivered to the customer site in the shortest time to anywhere in the world.

Lavatec machines provide the customer with the lowest possible consumption of energy, water and detergents. This is both economically and environmentally sound. Most of our customers work with the efficient counter-flow washing process.

We have further refined this process, so that, for example, we do not require an elaborate system of pumps and tanks to recover the maximum amount of water for re-use. As a result there are numerous laundries using Lavatec washing equipment achieving water consumption of less than 3 litres per kilogram of laundry processed.

Through the intuitive touch-screen interface, the parameters can be quickly adapted to individual process needs.

Projects are planned with a wealth technical expertise and knowledge. Technicians with decades of experience continue to develop sophisticated laundering solutions.

Optimised Technology.
The fully automatic Continuous Tunnel Washer.

Optimal wash results, for every classification and every type of soiling.

The heart of our laundry systems is the automatic Continuous Tunnel Washer (CTW). The proven Bottom Transfer (BT) construction has established itself as the most efficient design of tunnel washer in terms of energy and utilities. The Lavatec BT design gives the optimum washing action with a huge 270° wash action and large beaters. Transporting the work along the bottom of the drum results in low energy consumption.
With the innovative Centre Transfer (CT) construction Lavatec design gives the option to wash using a continuous 360° rotation of the drum, which has proved to be advantageous for some types of laundry. Combining the advantage of the single-drum principle which is simple, robust, and reliable technology and the benefits of the double drum principle which is both versatile and flexible; both designs result in a washing performance that is far above the usual standard.

The excellent reliability of Lavatec systems guarantees very little down-time coupled with high productivity. These features together with dependable, robust and easy to maintain technology mean our systems are highly profitable.
Machines from 25 kg to 100 kg-batch sizes and up to 20 compartments are available – for optimal results with every type of linen and for any contamination level. A high degree of flexibility is achieved through computer control, with 95 wash programs and full visualisation of the process using a variety of easy to use screens, menus and programming guides.
Corrections can also be entered during the current wash cycle. Our double drum principle means we can intervene at any time in the washing process and change parameters of each compartment individually.

The Lavatec fully automatic Continuous Tunnel Washer, the continuous double drum principle makes the system particularly flexible.

Essential for the quality.
Water extraction presses.

Effective water extraction.

Each individual component of a laundry system determines the overall performance of the process, therefore, the selection criteria for all of the machines has to be carefully coordinated. For the extraction process, this means that the water extraction press must be adjusted to the rhythm of the Continuous Tunnel Washer, each category must be processed carefully to achieve optimum moisture removal.

Our water extraction presses (25 to 100 kg at max. 60 bar), by virtue of their very high performance, ensure that the downstream dryers must evaporate much smaller quantities of water than usual, helping to save energy and reduce costs.

The major parts in contact with water in the Lavatec press are made of stainless steel. Through carefully controlled pressure build up it is possible to extract the maximum amount of water from every category of washing. The entire machine, down to the membrane is designed for long life.

Our guiding principle also applies to our presses: maximum performance with economical operation.

The Lavatec press ensures that the downstream dryers have lower amounts of water to evaporate.

For special applications.
Extraction technology.

Minimised water consumption through consistent recovery and re-use.

The alternative to the water extraction press is the fast-cycling-centrifuge (25 to 100 kg), a flexible and adjustable extraction technology.

Using this extraction principle, all types of laundry can be processed. The centrifuge is particularly suitable for the extraction of blended fabrics, functional fabrics and other delicate fabrics.

The high spin speed of up to 1100 rpm and the very short loading and unloading times, allow the Lavatec centrifuge to achieve high extraction rates at very low wash cycle times. The fast-cycling-centrifuge can therefore be used on washing machines with a larger number of compartments to process laundry at high outputs, effectively and economically.

The Lavatec fast-cycling-centrifuge for water extraction of white and coloured fabrics, blended fabrics, surgical garments, work garments and dust-mats amongst others.

Fully automatic and flexible.
Washer extractors.

Reliable and comfortable.

Depending on individual requirements, for example washing special fabrics or dustmats, or, depending on the layout of the laundry, a washer extractor may be more advantageous than a Continuous Tunnel Washer.

Lavatec washer extractors (36-270 kg) are characterised by their compact, robust design and reliable technology. If you are working with variable washing processes washer extractors can provide a fully automated procedure and near silent operation.

Program data and all parameters such as time, level, dosing, temperature, drum speed, reversing or cool-down can be displayed. One of many advantages of Lavatec washer extractors is that all of the process functions can be manually controlled or adjusted. The single-motor inverter controlled drive has power in reserve both in the wash cycle as well as in the spin cycle to give the lowest energy consumption at any speed. Lavatec washer extractors provide high extraction rates and are robust and stable in operation for life-long reliability.

The process control can allow for all machines to be accessed from a central computer.

Top quality from the technology leader. **Dryers.**

Transfer-batch dryers at their best.

Lavatec continue to set new standards for laundry equipment, this is also true of our industrial laundry dryers (10 to 270 kg). With our Lavatec transfer-batch dryers we have introduced a number of design and process improvements to bring the laundry several benefits including better finish quality and increased operating profit.

In our gas-fired transfer-batch dryer, air re-circulation is a standard feature. It increases the efficiency as well as improving the finished result. By direct infra-red measurement of the linen surface temperature, in combination with the sophisticated dryer control and our specially designed burner, we achieve the shortest possible drying times with very low energy consumption.

Our dryers meet all the requirements of efficiency, ease of use, trouble-free operation and straight forward maintainance.

The evaporative capacity of the Lavatec transfer-batch dryers is one of the most effective available on the market.

The cost-effective finish.
Ironers and folders.

Impressive quality finishing.

One of the last steps in a laundry – ironing and folding – requires special care and attention because it gives a lasting impression of the quality of the laundry to the customer.

To maintain the personal touch, this part of the laundry tends to have higher staffing levels and be particularly costly. With our ironers we have succeeded in combining economic efficiency with the highest quality.

Our ironers offer an exceptional throughput with options for 800 mm or 1200 mm multi-roll designs they can be tailored to your individual requirements.

The high-performance Lavatec ironers are designed in accordance with the latest thermal and technical standards. They are, for example, insulated with high-quality thermal materials, in order to save energy and improve the working environment.

Our ironing machines work effectively with feeding and folding machines that meet our high quality standards.

Ergonomically designed,
comfortable in use, economical to use.

Optimal materials handling.
Laundry conveyor systems.

Turnkey solutions.

The economic operation of a laundry facility depends on the linking of transport systems in the form of overhead conveyors, conveyor belts or suction transport systems.

With Lavatec systems, absolute reliability is the key. The scope of products includes monorail systems for soiled work and clean work, step-loading conveyors, lift & traverse shuttles and all variations of discharge, transport and sorting conveyors as well as special applications such as suction systems.

With these transport systems and Lavatec management information systems, control of your laundry is in your hands.

Conveyor systems guarantee reliable transport between our machines.

Everything at a glance.
Product range.

Washing.

- Continuous Tunnel Washers LT
  from 6 to max. 20 compartments
  25 kg, 35 kg, 50 kg, 70 kg, 90 kg, 100 kg

- Washer Extractors
  Front loading LX400 series
  » LX 425, 115 kg
  » LX 445, 200 kg
  » LX 460, 270 kg

  Pass-through washers for barrier systems
  LX300 series
  Pullmann or Y-drum

  » LX 308, 36 kg
  » LX 312, 51 kg
  » LX 320, 86 kg
  » LX 325, 113 kg
  » LX 332, 147 kg
  » LX 355, 240 kg

Water extraction.

- Centrifuges
  LZ 281, 35 kg
  LZ 286, 60 kg
  LZ 285, 50 kg
  LZ 290, 90 / 100 kg

- Presses
  LP 560, 25 kg, max. 30 bar
  LP 571, 35 / 50 / 60 kg, max. 30 bar
  LP 572, 60 kg, max. 40 bar
  LP 581, 60 kg, max. 50 bar
  LP 582, 70 kg, max. 50 bar
  LP 583, 90 / 100 kg, max. 50 bar
  LP 591, 60 kg, max. 60 bar

Dryers.

- Free standing dryers with electric, steam or gas heating
  FL 601, 10 kg
  FL 602, 16 kg
  FL 612, 25 kg
  FL 613, 35 kg,
  FL 623, 50 kg
  FL 633, 70 kg

- Free standing dryers with steam or gas heating
  FL 643, 90 kg
  FL 646, 132 kg
  FL 656, 210 kg
  FL 657, 270 kg

- Batch dryers with steam or gas heating
  TT 733, 63 kg
  TT 735, 95 kg
  TT 745, 132 kg with a filling ratio of 1:20
  TT 746 (stand-alone dryer), 132 kg with a filling ratio of 1:20
  TT 748, 188 kg
  TT 756, 210 kg
  TT 757, 270 kg

Ironers.

- Diameter 600 – 1.300 mm
  1 to 4 rolls, working width 1.700 - 4.000 mm

Conveyors.

Various designs depending upon application.

Feeders and folders.

Various designs depending upon application.

EUROPE

LAVATEC Laundry Technology GmbH
Wannenäckerstr. 53
74078 Heilbronn, Germany
Phone: +49 7131 2980
Fax: +49 7131 298800
E-mail: info@lavatec-laundry.com
www.lavatec-laundry.com

LAVATEC France
100, rue du Pré-Magne
Za des Andrés
69126 Brindas, France
Phone: +33 4 78 44 71 25
Fax: +33 4 78 44 84 66
E-mail: commercial@lavatec.fr
www.lavatec-services.com

USA

LAVATEC Laundry Technology Inc.
49 Lancaster Drive
Beacon Falls, Connecticut 06403
Phone: +1 203 632-8777
Fax: +1 203 632-8775
Contact: Mark Thrasher, President
E-mail: m.thrasher@lavatec-laundry.us
www.lavatec-laundry.com

A list of our international distributors is available on www.lavatec-laundry.com