

WE BUILD LOAD WARRIORS



LAVATEC 
Laundry Technology Inc.

OURS IS A LONG-RUNNING STORY

For over 30 years LAVATEC has grown as our reputation has spread. The reason is as simple as our approach to engineering: we design and build commercial laundry equipment that's intuitive to run and simple to maintain. The result delivers our customers dependable systems and machines engineered for higher returns throughout their long lifecycles. It's the kind of dependability that stems from an insistence on using the best materials, expertly crafted and controlled with the type of technology that brings versatility, ease-of-use and diagnostic capabilities.

If it is your goal to equip your laundry with high-yield, long-term performers, the following pages will give you many reasons to invest in LAVATEC brand performance.

On behalf of all us, thank you for your interest in LAVATEC.

Mark

Mark Thrasher

President, Managing Partner



LAVATEC's core line of tunnel washers, washer extractors, extraction presses, centrifuges and dryers are manufactured and engineered at our worldwide headquarters in Heilbronn, Germany.

PARTS AND SERVICE

Another strong deliverable that has helped the LAVATEC reputation grow is the ready availability of authorized parts and service out of our Connecticut-based North American headquarters and parts warehouse. Factory-trained and certified technicians are also based in the U.S.

With our 24-hour hotline, you're never without a source for answers on how to resolve any potential problem to get equipment operating again at peak efficiency levels.

24-HOUR SERVICE HOT LINE: 203.632.8777

HIGH-PERFORMANCE SOFTWARE FOR EVERY ASPECT OF YOUR LAUNDRY



osLaundry Software:

For ultimate performance control, LAVATEC is proud to offer osLaundry. With osLaundry, your laundry can benefit from highly accurate and reproducible control technology that offers reliable and safe data registration and storage. It's one control with one scalable software package. It means fewer, easier-to-trace problems. It offers ethernet connection to higher level systems. And it gives you different choices of operating terminals and remote diagnostic support.



osRail:

With its scalable software, osRail is able to provide one software package for the entire range of your monorail systems. Sorting, soil side, clean side control systems are integrated to have one overview. It is even possible to include on the touch-screen of your tunnel washer.



osWasher:

Because keeping downtime to a minimum is critical for tunnel washer productivity, osWasher meets demands for superb reliability and continuity. It's designed for high-performance operations in secure environments.



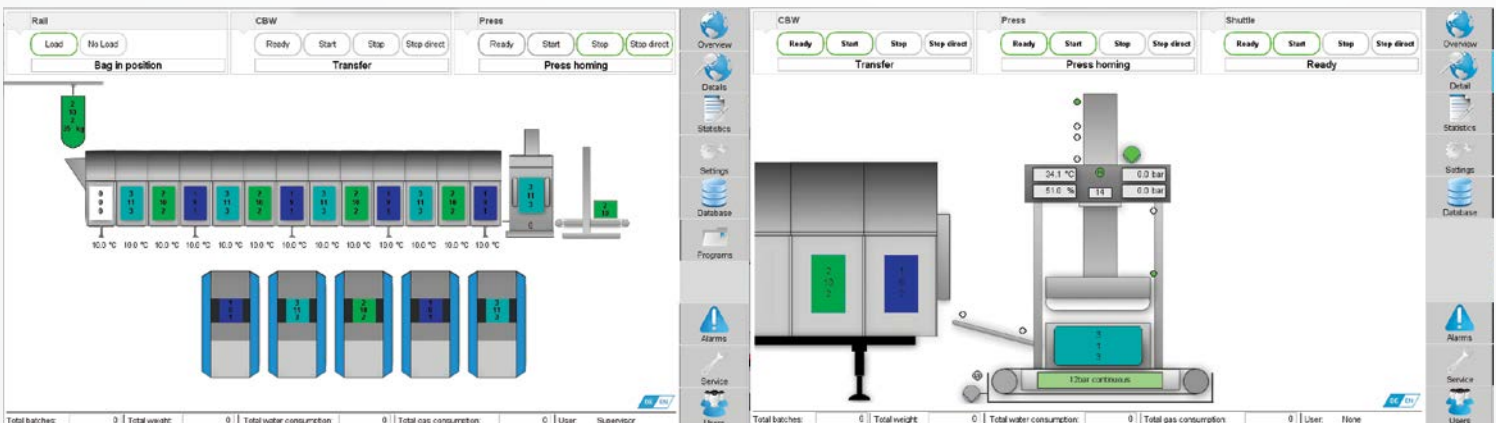
osDryer:

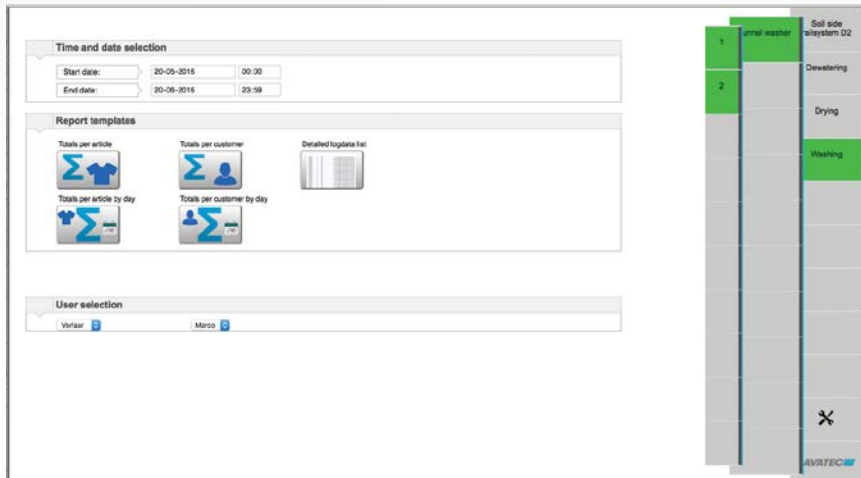
Individually check the status of any dryer with osDryer. In real time, see what's being loaded, dried or unloaded. Check and change run times and temperature settings. osAir lets you do it all.



osPress:

To add to your overall ability to monitor laundry activity, osPress allows you to see what's being run through the press in real time, as well as check and adjust hydraulic pressure, membrane pressure, cycle time and more.





osDashboard:

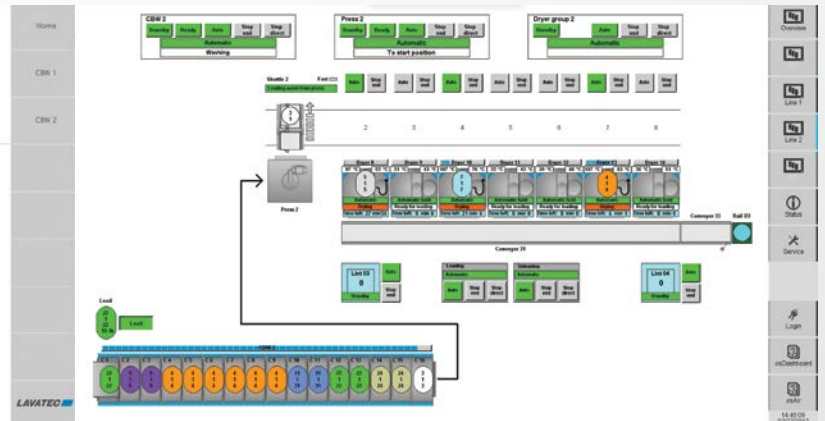
OEE (overall equipment effectiveness) helps you maximize the benefits of your machines. osDashboard helps you find real bottlenecks and points out easy ways to complete installation runs. Accessible via smart phones, tablets and laptops.

osAir:

Offering more than just Cloud storage, osAir means easy access to all production and alarm data. With the Report and Alarm module, you can create your own reports as you like. osAlarm helps you find problems that cause more downtime and cost more money.

osVisual:

Now you can get an overview of your complete laundry on one screen (or narrow it down to any area). Its integrated data management system ensures complete transparency of all production data, equipment and flows.



TUNNEL WASHER CUSTOMERS CALL THEM LOAD WARRIORS

With LAVATEC's LAVATRAC tunnel washers, you get the kind of engineering that delivers an exceptionally long-running sound investment. As the only manufacturer to offer both bottom and center transfer design, as well as single- and double-drum construction, LAVATEC has the ability to provide exactly what's needed for your operation.

MORE CAPABILITY

For very specific laundering needs, a LAVATRAC tunnel can handle up to 114 wash programs with an intuitive touch-screen interface. It's the kind of intelligence that lets you monitor and control all inputs and levels of energy, water and chemicals for maximum efficiency. Each tunnel is custom built to the needs of each individual client. Working in partnership with the customer, chemical provider and engineering team, LAVATEC custom designs the tunnel waterflow to maximize the throughput and cleanliness of your LAVATRAC tunnel.

LESS TO WORRY ABOUT

But what really makes LAVATRAC tunnels so preferred for long, reliable performance is the strength of construction enhanced with simple mechanics. A case in point is the use of four motor-powered friction drives for tunnel rotation. It's a balanced source of power that never has to be lubricated and can run on as little as two motors if necessary. It's a huge advantage over a single chain drive that requires constant lubrication and re-adjustment for stretching.

CUSTOM-BUILT FOR YOUR NEED

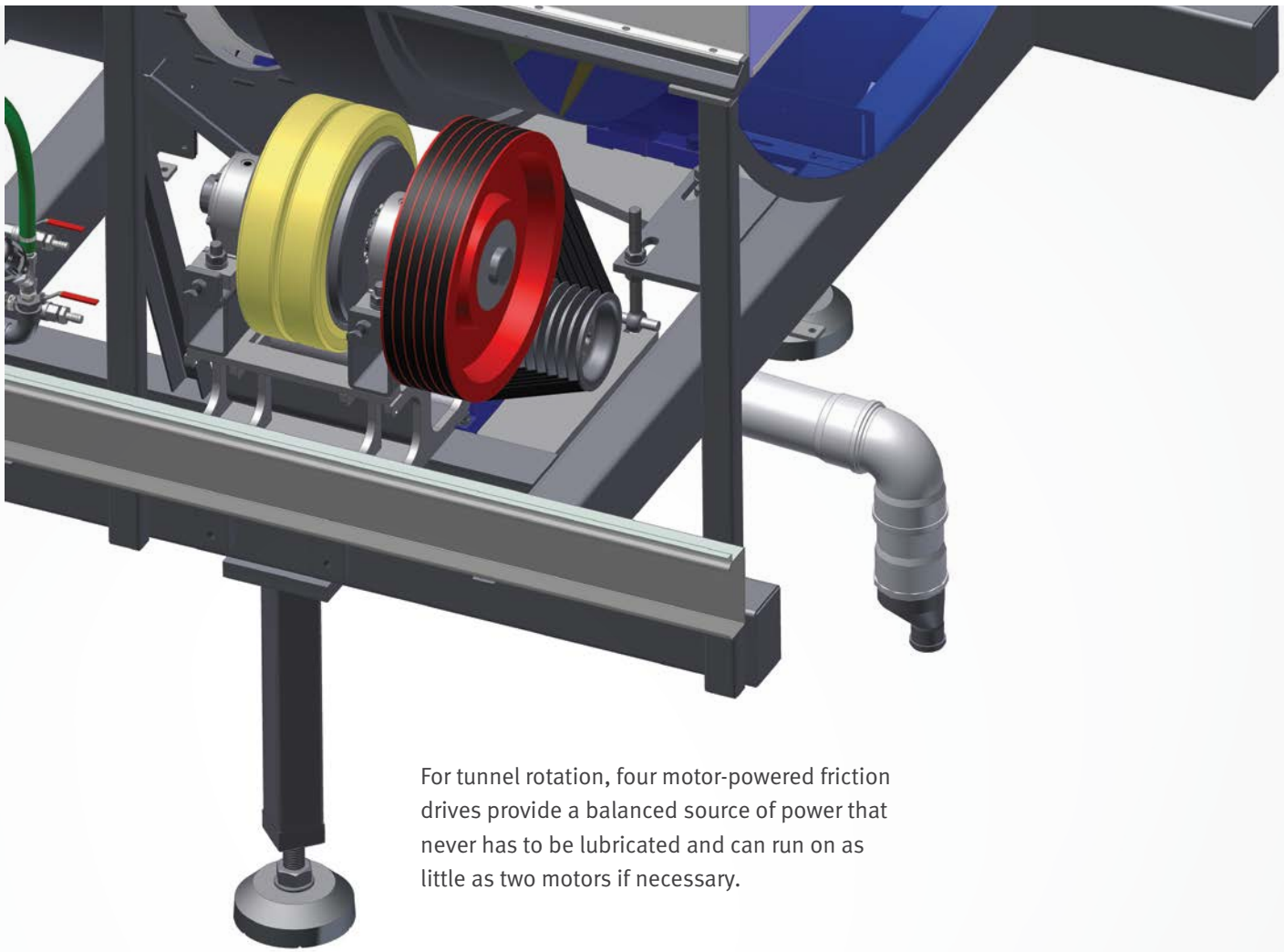
LAVATRAC bottom-transfer tunnels can be constructed to handle from 55- to 220-pound loads with six to 20 chambers. Center-transfer tunnels can handle from 77- to 132-pound loads with six to 20 chambers. Our virtual tunnel lines, both bottom- and center-transfer tunnels, can be configured from four to seven chambers.

LAVATRAC FEATURES AND BENEFITS:

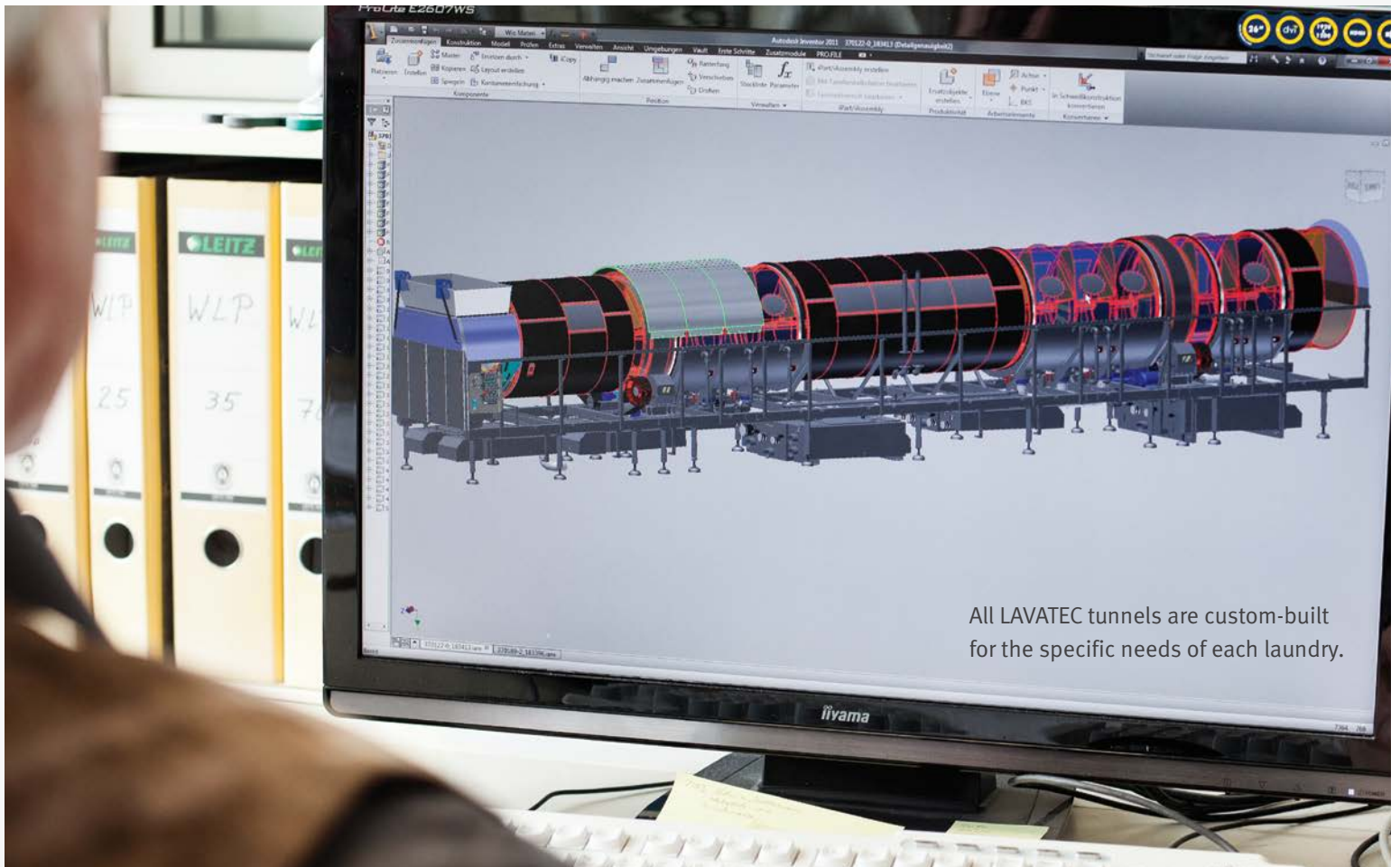
- Bottom transfer construction for optimum washing action with low energy consumption
- Center transfer construction for flexibility to accommodate both single- and double-drum technology
- Double-drum construction allows retrofitting for the ability to meet new standards for modern textile laundering
- Handles all temperatures and disinfection processes with counter flow, countercurrent, co-current and standing bath
- Every drum can be gauged for temperature and water levels
- Every drum fitted for heating, draining and chemical injection
- No-maintenance four motor drives assure reliable performance with no large chain drive to lubricate and exchange
- Intuitive touch-screen controls quickly adapt to any situation and handle up to 114 wash programs
- Refined pump, cooling, insulation and recovery systems for low energy, steam, chemical and water consumption as low as 0.25 gallons per pound



LAVATRAC



For tunnel rotation, four motor-powered friction drives provide a balanced source of power that never has to be lubricated and can run on as little as two motors if necessary.



All LAVATEC tunnels are custom-built for the specific needs of each laundry.

LAVARAIL

For the smooth economic operation of a laundry facility, LAVATEC provides a complete line of material handling conveyors that can be designed specifically for your operation and controlled through your LAVATEC information management system.

LAVARAIL FEATURES AND BENEFITS:

- Stainless steel, fully enclosed rail trolleys are protected against lint build-up
- Software operating system for sequential control, data-logging and visualization
- Carts and trolleys with a variety of designs and weight/volume capacities
- Custom-built belt conveyors and sorting carousels
- Self-supporting steel structures
- Space-saving platform structures

NEW RIDE-ON SHUTTLE

For a more hands-on approach while maintaining an efficient wash alley, LAVATEC has introduced its RIDE-ON SHUTTLE. Built on the tested and trusted LAVATEC conveyor shuttle system, the modular RIDE-ON SHUTTLE allows operators to interact with the equipment on an unprecedented level.

RIDE-ON SHUTTLE FEATURES AND BENEFITS:

- Ability to control the washers, dryers and rail system from the safety of the cockpit
- Allows faster operator response
- Greater flexibility in production
- Can be retrofitted to older LAVATEC shuttle systems



WASHER EXTRACTORS BUILT THE LAVATEC WAY

For special fabric washing needs, or for smaller scale operations, LAVATEX Washer Extractors provide the same kind of strength and reliability with simplified control and maintenance characteristics associated with our continuous tunnel washers.

FOR IMPROVED PERFORMANCE

All settings such as time, level, dosing, temperature, drum speed, reversing and cool-down can be displayed on the control panel and be run automatically, or be adjusted and controlled manually.

FOR REDUCING COSTS

These washer extractors provide exceptionally low power consumption at any speed. Their single motor inverter-controlled drive has the ability to apply reserve power during wash and spin cycles. High extraction rates can also reduce costs through reduced drying times.

FOR THE CAPACITY YOU NEED

LAVATEX Pass-Through Washer Extractors are available in six different sizes with load capacities to handle from 80- to 530-pounds. Three front loader models offer capacity options from 275- to 600-pounds.

LAVATEX FEATURES AND BENEFITS:

- Compact design with minimal footprint and near-silent operation
- Fully automated controls with touch-screen programming and diagnostic feedback
- Process control allows all machines to be accessed from a central computer
- High extraction rate reduces drying times
- Easy-tilt cylinder for feeding and discharge
- Stainless steel sealed for long-lasting performance
- Air bag cushioning, shock absorbers and levelers assure precision performance
- Optional automatic feeding, discharge and water recovery systems available



LAVATEX WASHER EXTRACTOR



LAVATEX PASS-THROUGH WASHER

SPEED UP THROUGHPUT WITH IMPRESSIVE EFFICIENCY

What makes LAVAPRESS extraction presses different are engineering extras that can bring huge cost savings. For press head protection, special synthetic compounds resist high temperatures and reduce friction while allowing easier laundry movement and faster draining. With its unique precision-guidance system, automatic measures prevent expensive basket, arm and press head damage if any part should get out of alignment.

Models available to handle from 55- to 265-pound loads from 30 to 60 bars.

The LAVAPress ULTRA is our latest addition to our line of extraction presses. It's a prodigious new extraction press designed to speed workflow and conserve resources. With the ability to handle 265-pound loads using up to 60-bars of pressure, it processes more linen from a tunnel washer and compresses the time spent on each load before moving to a dryer.

LAVAPRESS FEATURES AND BENEFITS:

- For maximum water extraction, pressure management allows programming from one to 50 bars
- Precision basket arm guidance system protects press head and basket from damage
- Temperature controlled oil cooling system automatically switches between water- and air-cooling for maximum efficiency
- Heated water leaving cooling system can be recycled into tunnel wash system
- Special friction-reducing compound membrane material on press is high-temperature resistant
- Heavy duty stainless steel drainage plate under the conveyor belt is designed to maximize additional water removal en route to the dryer
- Intuitive touch-screen controls simplify setting changes and operation
- Diagnostic system provides schematic of entire press for easy trouble-shooting without opening doors
- Field-modifiable discharge direction can accommodate future system changes



LAVAPRESS EXTRACTION PRESS

CENTRIFUGES FOR SPECIAL FABRIC CARE

As an alternative to an extraction press, LAVATEC offers its LAVAZET Centrifugal Extractors. They are particularly suitable for mixed fabrics, garments, poly-cottons and other delicate fabrics. Making LAVATEC centrifuges even gentler on these fabrics is a special nylon synthetic coating applied to the stainless steel spin drums. It prevents fabrics from penetrating and wedging tight into the drum's perforated holes. This not only makes for easier unloading, but eliminates abrasive damage the holes can cause to delicate fabrics.

Four models available to handle loads from 75- to 220-pounds.

LAVAZET SERIES FEATURES AND BENEFITS:

- Solid precision delivered through extensive computer simulation guidance to eliminate any structural weaknesses
- Flexible design enables straight, left or right discharge
- Controllable extraction speeds and drainage allow for gentle fabric processing
- Special nylon coating of drum protects fabrics from damage and wedging into drain perforations
- Programmable wash codes adjust speed for maximizing extraction efficiency without damaging fabrics
- Drive propulsion recovery can filter and recycle electricity generated by braking heat
- Intuitive touch screen controls for easy operation and trouble shooting diagnostics



LAVAZET CENTRIFUGAL EXTRACTOR

ENERGY-EFFICIENT TRANSFER-BATCH DRYERS

LAVATEC continues to set new standards for better finishing and higher returns with its LAVADRY transfer-batch-dryers. In combination with its specially designed burner, full-width heat input duct and infrared measurement of linen surface temperatures, these dryers achieve superior results with the shortest possible drying times for minimal energy consumption.

Seven models available (steam and gas) to handle from 140- to 595-pounds.

LAVADRY DRYERS FEATURES AND BENEFITS:

- Discharge doors open and close with no-maintenance cylinders
- Can accommodate either blow-out or tilt discharge
- Multi-phase infrared temperature control reduces energy consumption
- Heat input burner extends entire depth of drum for uniform and thorough drying
- Touch screen control panel includes diagnostic system
- Design is optimized to be maintenance friendly
- Optional non-stick drum coating and automatic lint screen cleaning
- Superb drum sealing offers option of either felt or Teflon® bars
- Other options include vacuum loading, sprinkler and removable drum plates



reddot design award



LAVADRY TT 745 ECODRY



LAVADRY TT 745

FRONT LOADING DRYERS

If your laundry's needs call for front-loading dryers, LAVATEC's LAVADRY offers the same long-running dependability engineered into all of our equipment.

Available with steam or gas heating with load capacities from 20- to 600-pounds.

LAVADRY FEATURES AND BENEFITS:

- Ergonomically designed for safe operation
- Drum tilts for easy unloading
- Can be programmed for custom settings
- Hinged or sliding door option
- Sensor controls assure safety during automatic runs
- CSA approved
- Optional steam or softener injection
- Optional heat recirculation option



LAVADRY FL 656

THE LAVASCASCADE DRYER SYSTEM: THE MOST EFFICIENT DRYER EVER

Industrial laundries are under pressure to cut costs and meet strict regulations, all while maintaining quality control. LAVATEC applied our engineering strengths to create the revolutionary LAVACascade dryer technology. Batches cascade through multiple dryer compartments, similar to our tunnel washers.

FOR GREATER EFFICIENCY

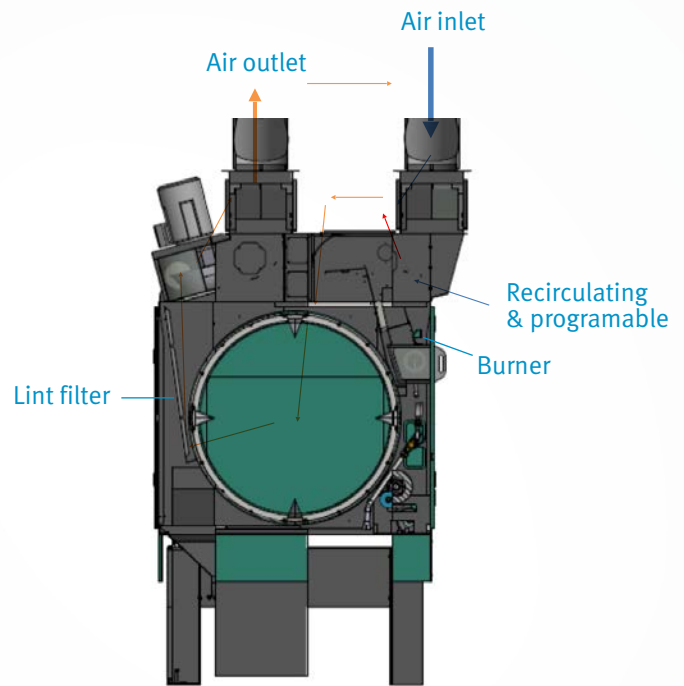
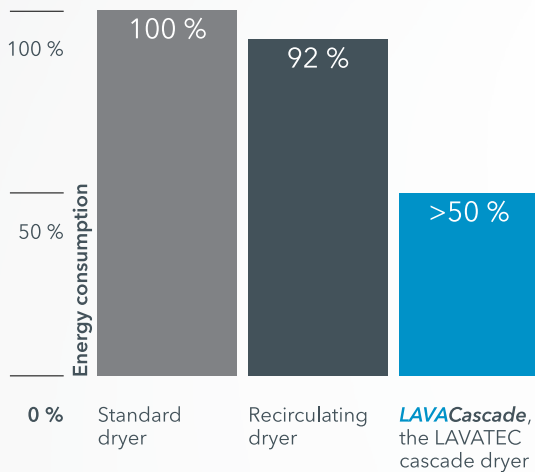
Among the three dryers, only the second produces high heat. The first dryer runs on the exhaust from the second dryer. This process reduces energy costs by up to 50%.

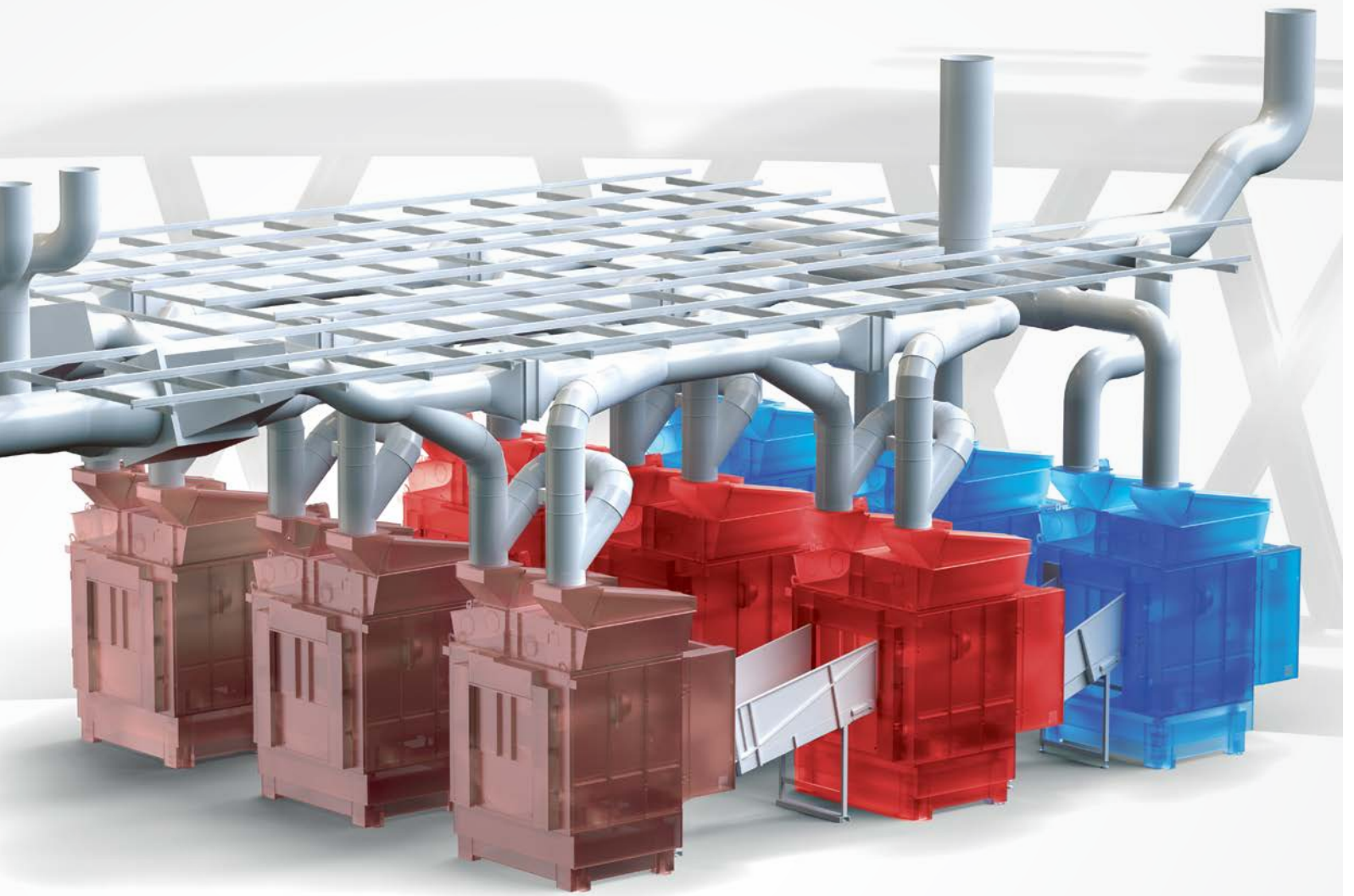
FOR MEETING CONSERVATION NEEDS

The revolutionary technology reduces CO₂ emissions and causes less wear and tear on linen. Laundries will achieve greater efficiency, meet stricter environmental standards, and produce satisfactory results.

LAVASCASCADE FEATURES AND BENEFITS:

- Reduce energy costs by up to 50% compared to standard dryers
- The first dryer compartment is heated by exhaust heat from the second
- Reduce CO₂ emissions
- Use less water
- Reduce cycle times by 30%
- Results in less wear & tear on linen
- Conveyor belts reduce heat loss in transfer
- All cooling happens in cooldown shaker
- Dryers stay hot, no cooldown losses





THIS IS ENGINEERING FOR EVEN HIGHER RETURNS

STAGE ONE: **KEEP THE TEMPERATURE**

Incoming linen from the extraction press is loaded into the first dryer compartment. It is heated with the recirculated exhaust heat from the second compartment. Linen is automatically transferred by conveyor to Stage Two.

STAGE TWO: HEATING

The second dryer compartment heats the linen at a constant temperature in a programmed drying cycle. Exhaust heat is recycled into the first compartment, readying it for the next batch. The second dryer compartment always stays hot, so no energy is wasted by heating the dryer with each load. Linen then transfers to the third and final stage by conveyor.

STAGE THREE: COOL DOWN

The third compartment tumbles and cools the batch, with no burner heat applied.

ENGINEERED FOR HIGHER RETURNS



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