



 **COMPACT LINE**  
smart TEC<sup>®</sup>

 **burnus**  
PROFESSIONAL



## The right amount does the trick: Exact, precise dosing for sustainable washing processes

High-quality laundry detergents and systems develop their full potential with the right dosage. Precise dosing via the COMPACT LINE® smart TEC dosing technology from Burnus Professional ensures frugal use of detergent, economical and environmentally friendly laundry care and maximum process safety.

### The principle: focus on the essentials.

The COMPACT LINE® smart TEC dosing system combines innovative technology for highly efficient systems with a space-saving, compact design and minimized maintenance and service costs. We rely on one pump for practically all dosing applications, which works with a specially developed valve distributor. We have reduced hoses, additional pumps and units to an absolute minimum. The special pneumatic valve control eliminates the need for live cables. Our technical solutions therefore offer laundries maximum reliability. Burnus Professional process engineers check and calibrate the dosing systems during regular service visits.

### Dosing technology with TÜV-certified safety made in Germany.

Dosing systems for industrial laundries with a TÜV-certified safety concept are only available from Burnus Professional. We develop and manufacture the dosing and control technology at our company site in Steinau a. d. Straße, thus ensuring our customers the usual high standard of product quality and innovation.

For the COMPACT LINE® smart TEC, we only use high-quality individual components with worldwide availability of spare parts in the event of repairs, thus guaranteeing maximum dosing precision and functional reliability. Our dosing systems are individually configured for machine and container sizes in laundries and can be easily extended for all machine types.

## The COMPACT LINE® smart TEC dosing system meets the highest quality and safety standards.

- 🔧 Little space requirement and compact design of all functional components directly on the system, no functional parts in other places.
- 🔧 High system availability, as components are exposed to chemicals only during the dosing process, otherwise only to water.
- 🔧 A specially developed dead space-free valve distributor enables the successive dosing of a wide variety of products by means of intermediate rinsing.
- 🔧 Optional remote maintenance unit - access via Internet/VPN.
- 🔧 CE-compliant systems - all relevant EU safety requirements are met.
- 🔧 Worldwide availability of all individual components in case of repair.
- 🔧 Inspection and calibration of the dosing systems by our process engineers during every service visit.
- 🔧 Resource-saving technology thanks to the use of few individual components.
- 🔧 Use of largely recyclable materials such as stainless steel and polypropylene - plastics with environmentally friendly claims.
- 🔧 No components containing heavy metals.

## COMPACT LINE smart TEC Conti

The dosing system for inline washing machines.

For supplying an inline washing machine with max. 32 products.

Only one pump for max. eight products per wash zone. The dosing system can be equipped with different types of dosing pumps.



- Space requirement only 125 x 45 x 195 cm (Euro pallet size in width).
- Minimum number of „opened containers“ (1 per product).
- Specially developed valve blocks for suction distribution (high-quality Teflon with dead space-free diaphragm valves and pneumatic control).
- High-quality PLC control (10“) with touch panel for displaying system statuses, messages and statistics
- Can be networked with other dosing systems and data acquisition/visualization systems. Fail-safe fault message protocol.

## COMPACT LINE smart TEC WE

The dosing system for washer-extractors

For dosing a maximum of 17 detergents and washing aids on up to ten machines. With up to three dosing pumps, application quantities can be adjusted as required. The appropriate pump type can be selected depending on product viscosity and required dosing quantity as well as machine size.



- Space requirement only 125 x 45 x 195 cm (Euro pallet size in width).
- Maximum of three dosing pumps in use (minimum maintenance and service requirements). All functions are monitored (dosing capacity/ dosing process, rinsing, empty container message and the dosing line to the machine).
- High-quality PLC control (10“) with touch panel for displaying system statuses, messages and statistics.
- Can be networked with other dosing systems and data acquisition/visualization systems. Fail-safe fault message protocol.

## COMPACT LINE smart TEC WE Eco

The dosing system for washer-extractors with a maximum load of 100 kg. For dosing a maximum of nine products on up to five machines with a single dosing pump, which equals 45 individual dosing pumps in the classic design.



- ◆ Space requirement only 195 x 70 cm - the entire system has a very compact design.
- ◆ A maximum of one dosing pump in use (minimum maintenance and service requirements).
- ◆ High-quality PLC control (7") with touch panel for displaying system statuses, messages and statistics.
- ◆ All functions are monitored (dosing capacity/dosing process, rinsing, empty container message and the dosing line to the machine).
- ◆ Container sizes from 20 l canister to 1,000 l IBC

## COMPACT LINE smart TEC WE-S

The dosing system for smaller washer-extractors with a maximum load of 60 kg. Only one dosing pump is required to dose a maximum of nine products on three or five machines. This equals a dosing system with 27 or 45 individual dosing pumps in the classic design.



- ◆ Space requirement only 110 x 70 cm - the entire system has a very compact design.
- ◆ A maximum of one dosing pump in use (minimum maintenance and service requirements).
- ◆ Compact Control S microprocessor controller with 150 dosing programs and text display.
- ◆ All functions are monitored (dosing capacity/dosing process, rinsing, empty container message and the dosing line to the machine).
- ◆ Compressed air-operated distribution valves with high chemical resistance.

## COMPACT LINE smart TEC Multi

The dosing system for washer-extractors with a maximum load of 60 kg. For dosing a maximum of ten products on up to five machines with a single dosing pump, which equals 50 individual dosing pumps in the classic design. Perfectly suited for use on individual machines.



- Space requirement only 120 x 80 cm.
- IoT-capable for permanent dosing reliability.
- Consistent digital system control.
- Program management: up to 100 programs.
- Precise, constant dosing thanks to flowmeter monitoring.

## COMPACT LINE smart TEC MIX

For dissolving up to 25 kg of washing powder or starch to produce a batchable stock preparation.



- Space-saving, approx. 100cm diameter.
- Enables the use of concentrates and thus reduces packaging and transportation costs.
- High dosing accuracy of original manually applied products.



## COMPACT LINE smart TEC TS-L

Fully automatic preparation system for the production of a batchable stock preparation solution from a highly concentrated sole detergent. It is delivered in 200 liter lidded drums and is homogenized by stirring and simultaneous pumping after the container change.



- One delivery container yields 1,000 liters of finished product. High sustainability aspect, transportation of water is avoided.
- Exact mixing ratio guaranteed by inductive measuring method.
- After changing containers, homogenization and subsequent mixing is fully automatic. This increases work safety.
- Due to the buffer size of the master batch (around 200 liters), no immediate change is required and process reliability is still guaranteed.
- We offer the COMPACT LINE smart TEC TS-M type in our portfolio. Here, 60 kg canisters are completely transferred into a 500 liter master batch container.

## COMPACT LINE smart TEC DS

Double-walled storage containers are continuously filled via a central dosing station, from which the dosing to individual machines takes place..



- Air pockets are avoided when changing containers, increasing system availability and process reliability.
- Washing machine downtimes during product changes are therefore eliminated.
- Employees do not have to stop their current activities immediately to change chemical containers when they receive empty messages, so internal laundry processes are not immediately disrupted.
- Simplified residual emptying of the containers (emptying of the containers by pump) and significantly higher work safety for employees.
- This makes it possible to separate the detergent storage area from the dosing system.

## COMPACT LINE smart LOG

Technical upgrade of the management information system on existing dosing systems. Cloud-based information system for process documentation of all relevant data. The system ensures continuous monitoring and evaluation of process parameters in order to check usage and efficiency. Automatic reports are standard procedure, can be customized and automatically saved at fixed intervals in the PDF or CSV format and sent by email.

Device	Total washed quantity	Washed quantity from total	Average washed quantity per day
T23002	52473.00 kg	100.00 %	5830.33 kg
<b>Total</b>	<b>52473.00 kg</b>		<b>5830.33 kg</b>

Date	Total washed quantity by day	T23002
01.10.2024	6699.00 kg	6699.00 kg
02.10.2024	5938.00 kg	5938.00 kg
03.10.2024	6415.00 kg	6415.00 kg
04.10.2024	5602.00 kg	5602.00 kg
07.10.2024	6174.00 kg	6174.00 kg
08.10.2024	6499.00 kg	6499.00 kg
09.10.2024	6319.00 kg	6319.00 kg
10.10.2024	4021.00 kg	4021.00 kg
11.10.2024	4806.00 kg	4806.00 kg

- Cloud-based dashboard.
- Can be retrofitted to existing COMPACT LINE dosing systems.
- Various table data can be transferred via export as PDF and/or CSV.
- Data acquisition and process documentation of relevant process engineering parameters.
- Economic evaluations in tabular and graphical form.

## Compact Control 3.0

Integrated wash program management for new system types. Comprehensive solution for efficient, optimized operational processes in commercial laundries. With special statistics modules, the software enables detailed analysis of operating data, which contributes to well-founded business decisions. A detailed item log records precise information on laundry quantities, dosages used and technical faults. Enables complete tracking and optimized processes, increasing productivity and reducing downtime. Determine detergent costs by consumption and category.



Statistik		
Start	Alle Maschinen	
2024/09/02 06:54:25	Artikel	Gesamtverbrauch
Ende	1	Penta-Sol ultra
2024/09/30 16:41:01	2	TRIXON liquid
	3	Liquolan B
	4	Burti Odora
	5	BURNOVA plus
	6	OXYPLEX plus
Gesamt	7	Tenapore 2-fach
398.710384 Kg	8	Citrosan
Arbeitsstage	21	

- Dosing control with wash program management.
- Detailed item log with laundry quantities, dosages and fault messages.
- Statistics per machine and program, percentage of laundry distribution.
- Transparent detergent costs and machine utilization.
- Export statistics tables as CSV file on USB stick or as download.



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