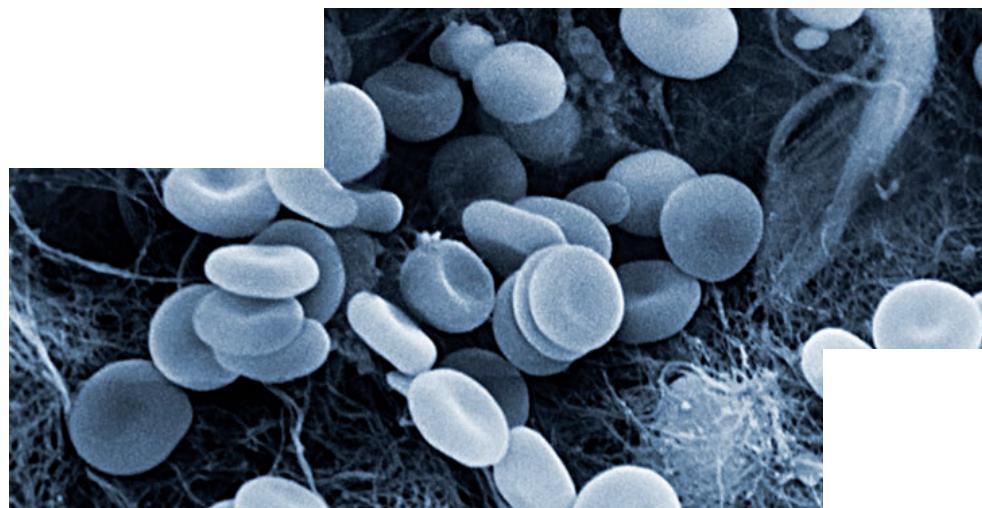




primus®

GET AHEAD IN  
**LAUNDRY HYGIENE  
EXPERTISE**





## EXPERTS IN HYGIENE

# PRIMUS OFFERS YOU THE BEST DEFENSE

STUDIES SHOW THAT LINEN IS A MAJOR FACTOR FOR  
THE TRANSFER OF INFECTIONS AND SUPERBUGS

- 10 to 15% of hospital-acquired infections (leading to an average extra 4-5 days in hospital, and in extreme cases, the death of the patient) are due to unsatisfactory linen hygiene.
- The elderly and children are more at risk to infection due to their less efficient immune systems.
- Operators must have total care management of the laundry to maintain a high level of hygiene in their global production, so ensuring that product is free of certain bacteria (ie: *Staphylococcus aureus*, *Salmonella*, *Listeria*, etc...).

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AGAINST CROSS CONTAMINATION OF  
SUPERBUGS WITHIN YOUR LAUNDRY

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## STOP CROSS CONTAMINATION NOW!

This is such an important subject that Primus partnered with two microbiological institutes to test under real conditions the recontamination risks in a laundry environment.

The tests were made in a laundry using Primus barrier washers with a physical separation of the soiled and clean sides of the laundry rooms. The establishments are certified to be in conformity with RABC\* by an external organisation. (less 12 CFU/25cm<sup>2</sup>).

Type Hand	Hands (CFU/hand)	Air (CFU/m3)	Trolleys (CFU/25 cm <sup>2</sup> )
SOILED AREA	Total	1x10 <sup>3</sup>	NM* (>>3.8x10 <sup>2</sup> )
	Fungi	28	NM* (>>1.6x10 <sup>2</sup> )
CLEAN AREA	Total	>397	2x10 <sup>2</sup>
	Fungi	8	50

\* NM: No Measurable / too many germs

\*\* CFU - colony-forming unit is a measure of viable bacterial numbers

The largest amount of germs are transmitted by hand

Air is an important vector of propagation of micro-organisms

Surfaces are a main vehicle of germ transmission too



Contamination of a hand with glove in dirty side



Contamination of a hand without glove in clean side

The RABC is an abbreviation of Risk, Analysis, Biocontamination and Control. RABC is a Quality Management System. The RABC system is implemented to avoid microbiological contamination of persons and products by laundry operation and to provide defined microbiological quality of laundered goods. The implemented RABC-System is controlled by external experts on a yearly basis.

**PRIMUS OFFERS YOU**  
THE BEST DEFENSE AGAINST CROSS  
CONTAMINATION OF SUPERBUGS  
WITHIN YOUR LAUNDRY

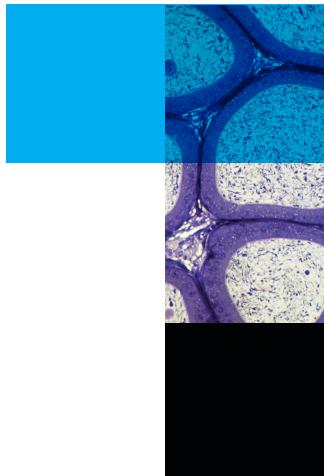


# A SOLID FOUNDATION FOR YOUR LAUNDRY HYGIENE

Primus has developed a full range of barrier washers in order to simplify and to optimize the setting up of your laundry offering the best protection for employees, patients and the best prevention for the spreading of micro-organisms and superbugs.

WHEN ADOPTING THE PRIMUS HYGIENIC SOLUTION,  
THE OPERATION OF YOUR LAUNDRY CONFORMS WITH  
BEST HYGIENIC PRACTICES:

- Respect RABC for “walk forward” principles for best laundry process.
- Physical wall separates the laundry in two parts: soiled area and clean area.
- No risk of contact or crossing between soiled and clean linen.
- As an option, separate atmosphere pressures can be created between clean and soiled areas to prevent airborne re-contamination.
- Specific “hygienic” programs for decontamination of laundry.
- Offers the best protection against the spreading of infections.
- Guarantees your investment in the future by anticipating the next regulations.
- Secure traceability through Trace-Tech, Primus laundry management system.



# HOW PRIMUS HELPS YOUR CARE HOME GET AHEAD

In-house laundry gives you complete control over hygiene. It's faster, safer and more cost-effective than transporting it to a third party to process.

## SECURE LOAD TRACKING

Trace-Tech digital tracking gives visibility into each variable of the laundry process for traceability.

Better management = Greater safety, more control



## USER FRIENDLY

Primus laundry management processes do all the hard thinking. Plus we provide complete training programs for every user.

Minimum training = Lower costs, more control, better efficiency

## ECO-FRIENDLY

We aim to meet or exceed stringent water and energy consumption regulations and standards.

Using fewer resources = Lower costs, higher efficiency

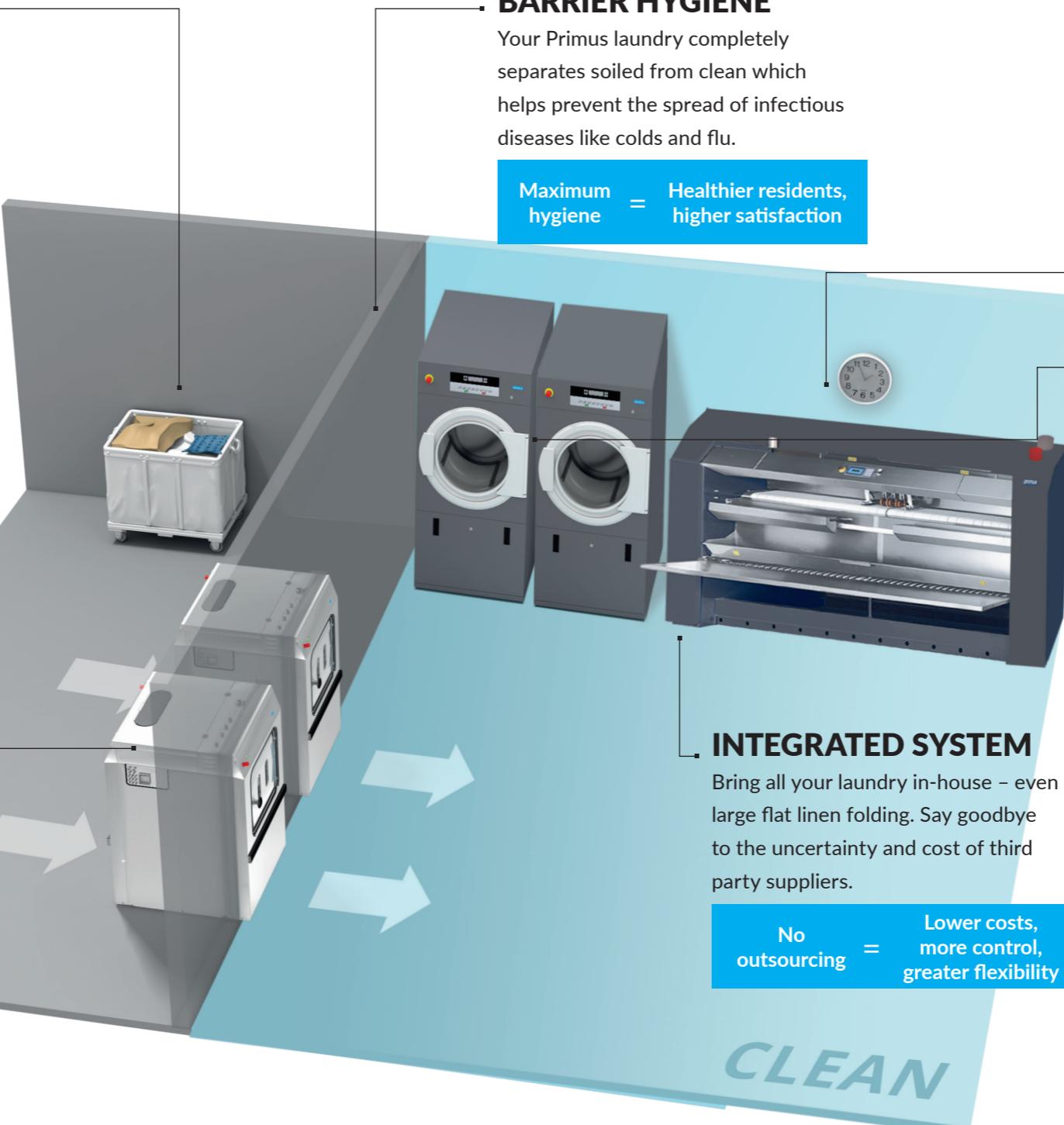


**SOILED**

## BARRIER HYGIENE\*

Your Primus laundry completely separates soiled from clean which helps prevent the spread of infectious diseases like colds and flu.

Maximum hygiene = Healthier residents, higher satisfaction



## FAST TURNAROUND TIMES

Our powerful, smart equipment cuts laundry time. Sensors and load analysis optimize processes and resource use.

Maximum efficiency = Lower costs, more control, better service

## SPACE SAVING EFFICIENCY

Primus equipment comes in a wide range of capacity and footprints matching your needs. Linens last longer with Primus moisture control and overdry sensor protection.

Save space, more capacity = Lower costs with more efficiency

## INTEGRATED SYSTEM

Bring all your laundry in-house – even large flat linen folding. Say goodbye to the uncertainty and cost of third party suppliers.

No outsourcing = Lower costs, more control, greater flexibility

**CLEAN**



## PRIMUS IS ALSO INNOVATIVE AND PARTICULARLY IN:



### QUALITY

Highest quality components and raw material in the manufacturing process ensure a long life span and a safe investment.



### ENVIRONMENT

Our dedicated engineers work continually to reduce water and electrical consumption and increase the efficiency of our machines.  
Water recycling is an option.  
Advanced waste management is applied in our production process.



### CHOICE

Large capacity range allows a tailor made solution to suit your budget and operational requirements.



### ERGONOMICS

A complete range of pass through barrier washers, including Pullman type, with large door openings for easy loading and unloading.



### SIMPLICITY

Our easy to use control allows technicians to have a standardized programming set-up to ensure the best technical support.



### TRACEABILITY

Connected to Trace-Tech® management software, barrier washers allow full quality control by providing records and statistics for each wash. All data are stored and can be retrieved for creating operations reports.

## AND REGULATIONS RECOMMENDATIONS

This European Standard describes a Risk Analysis and Biocontamination Control (RABC) system to enable laundries to continuously assure the microbiological quality of the laundered textiles. (The admitted value for clean linen is less 12 CFU / 25 cm<sup>2</sup>). This European Standard is compatible and may be easily integrated into an international recognised quality global management system. The norm specifies that "*The management shall identify, provide and maintain the facilities it needs to achieve the control of biocontamination.*"

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NF EN 14065 NORM - "LAUNDRY PROCESSED TEXTILES - BIO-CONTAMINATION CONTROL SYSTEM"

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# WHAT ARE THE EU REGULATION AND STANDARDS?

## HEALTHCARE

### BP G 07-223:2004 REFERENTIAL: LAUNDRY PROCESSED TEXTILES

#### Best laundry practice:

- A physical separation of the room between soiled area and clean area is recommended while using barrier washers-extractors.
- Hand washing is always necessary following a described procedure.
- The “walk forward” concept applies.



## NURSING HOMES

### NF X50-058 NORM - SERVICE LEVEL

#### Best service level:

All services offered to patients should be best in class and the safest for nursing homes. We work according to EN norms stating that if laundry is being processed in house, there should be a separate soiled and clean linen area.



## PHARMACEUTICAL & FOOD INDUSTRY

### MANUAL OF ACCREDITATION: GFL - REFERENCE 004

#### Best Industry standards:

Industries are leading safety and quality processes; we study and comply with standards that specify that the laundry function is organised to process the linen treatment by highly demanding procedures.

- Separation of soiled and clean linen must be ensured during transport.
- The linen treatment is the object of protocols and evaluations.
- The employees of the laundry have been trained in the hygiene rules applying to linen.
- Process controls are reviewed regularly.



# PRIMUS CAN CONSULT OVER THE WHOLE PROCESS

PRIMUS HYGIENIC SYSTEM PROVIDES A TOTAL SOLUTION



## COLLECTING AND SORTING

The presorting of the laundry is completed by the collector staff and the different wash loads separated in wash types, by staff wearing mask, special workwear and using gloves for protection.



## TROLLEY STORAGE

Shortest storage time should be applied up to a maximum of 48 hours. Trolleys have to be clean before each use. Specific room with lower air pressure, washing station and floor U-bend should be used.



## WASHING

Wash loads of the same type are processed together to avoid handling of the soiled or clean laundry. The Primus Trace-tech® system controls: Temperature, Mechanical action, Time, Water level and Chemicals and thus ensure the optimal wash quality.



## FINISHING

Handling of the clean laundry is completed by staff who have used best handling process with minimum contact to avoid the contamination of the laundry.



## CLEAN LINEN STORAGE

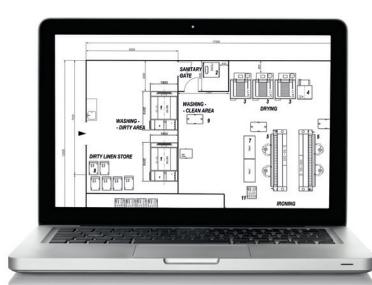
Store directly after processing - cover with plastic film / in closed cabinets  
- clean room and trolleys regularly  
- respect separated flows between clean and soiled linen.



## PRIMUS ACCOMPANIES YOU IN YOUR PROJECT

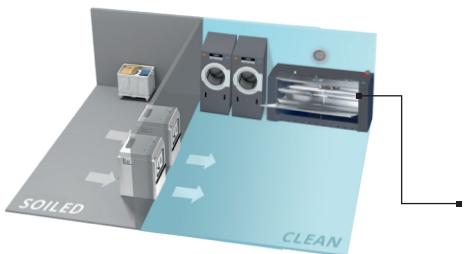
Our team of specialized advisors, experienced designers, and Primus certified partners are ready to assist you in the realization of your project, helping you to meet your specific requirements and bringing you:

1. An audit of your laundry
2. The definition of needs
3. The technical drawing with energy reservations
4. The installation and maintenance of the machines
5. The training of the technical staff and users

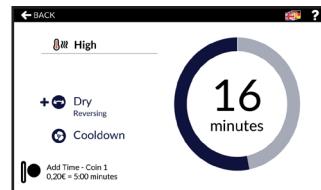
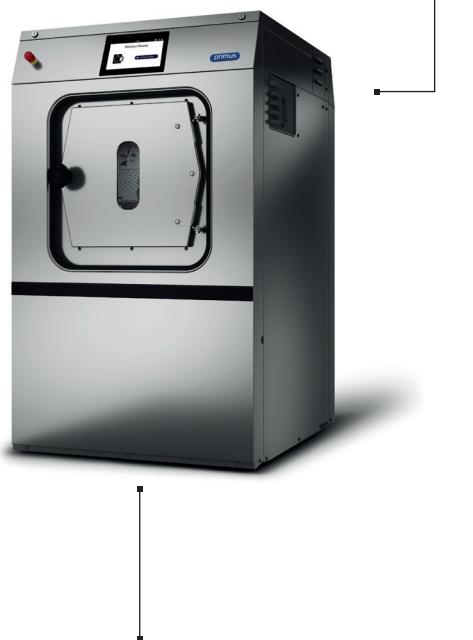


# THE PRIMUS TOOLS THAT GIVE YOU MORE CONTROL

PRIMUS HYGIENIC SYSTEM PROVIDES A TOTAL SOLUTION



The Trace-tech® management software provides record of each wash load which allows you to ensure conformity with Hygienic standards. This can be stored and recalled whenever necessary. Parameters are continually controlled and stored to bring you a detailed report of the washing process. You are also informed if the machine can not complete required process.



Primus controls offer a complete freedom for programming. This is the guarantee for you to optimize and adapt the process at any time and to ensure the easy integration of new washing methods and soaps.



XControl+ user interface offers unlimited programming possibilities for laundry professionals. A USB plug for fast and easy uploading of new washing programs is available.



Together with Optiload® and Trace-tech®, the Sample's tap ensures you have complete control and traceability of your washing and disinfection process.



Whilst loading your machine, the control display the weight of wash load. The machine will then adjust the water and energy consumption to suit to load and secure compliance with RABC standard. Thus, you have a guaranteed wash result, reduced energy consumption, so optimising productivity, and controlling of your operating costs.

# 1 PRIMCARE ENTRY PACK

## FOR A GOOD LAUNDRY PRACTICE FOUNDATION

Improve the quality of your linen and save time and costs with the Primcare Entry Pack. This solution enables you to **streamline the laundry process**. Your staff will be able to **save time** because the logistical process is very short: the laundry is just

around the corner. No more worries about linen stocks: your staff always has the right stock at their disposal. Moreover, you have the possibility to influence the entire process and benefit from the **lowest cycle cost**.



# 2 PRIMCARE HYGIENE CONTROL PACK

## FOR TOTAL SAFETY

The Primcare Hygiene Control Pack ensures you stay on top of the laundry process. This solution focuses on **ultimate safety for patients, and staff** handling linen. Thanks to the innovative barrier

concept, it is almost impossible to mix clean and dirty linen thus ensuring an exceptional level of hygiene for your linen. Train your staff on how to achieve the best possible result and **increase your laundry throughput** by making best use of our innovative machine features, all while improving the quality of your linen.



# 3 PRIMCARE ULTIMATE CONTROL PACK

## FOR ULTIMATE CONTROL

**Follow every detail** of the entire laundry process with the Primcare Ultimate Control Pack. **Monitoring and reporting** features track all steps

in the process, from washing, to drying and ironing. This actionable data enables you to optimize your laundry for **maximum efficiency and profitability**.



# I-TRACE & TRACE-TECH FOR OPL

## TRACE-TECH® LAUNDRY MANAGEMENT SYSTEM.

Available with **XControl+** and **XControl FLEX PLUS**

Trace-Tech® is our proven track-and-trace system: Trace-Tech® allows full quality control by providing records and statistics for each wash load enabling tracking of washing cycles and personalised programming to find the perfect cycle for your needs.

With Trace-Tech®, your laundry managers will get the highest level of control on their laundry process to copy and edit wash programs, as well as to get complete reports about their laundry and the performance of their equipment.



Additionally, Trace-Tech® is a preferred system to ensure the best traceability and hygiene level in your laundry: monitor water levels, temperatures, consumptions, and timings at every moment of your cycles. Because Trace-Tech® is connected to your equipment, you will access your data anytime.

i-TRACE®



## I-TRACE® YOUR ADVANCED CLOUD-BASED TRACE-TECH SYSTEM, ENRICHED WITH BUSINESS FEATURES.

Exclusively available with **XControl FLEX PLUS**

The new generation of software i-Trace® for business and laundry process management includes all the features and benefits from our previous generation software Trace-Tech®. Additionally, i-Trace® brings in new business management features including dashboards to monitor the working shift efficiency, costs/kg, cost/shift, automated maintenance reports, and more.

With i-Trace® you will get more. By using OTA technology, your equipment is connected through wifi, so this cloud-based software will push alerts for maintenance and give you remote control, and full access to your data anytime, from anywhere.

This is a game-changing asset for the daily management, process optimization and maintenance of multiple laundry installations process.

# FXB RANGE

FXB 180	FXB 240	FXB 280
18KG 40LB	24KG 53LB	28KG 62LB



FXB180

## PRODUCT FEATURES

- Freestanding, high spin
- Complete stainless steel cabinet
- XControl FLEX PLUS - Multilingual 7" touch screen platform
- Stainless steel drum and tub
- Large drain valve (Ø 76 mm)
- Easy access to all parts
- Large door opening for easy loading & unloading
- Automatic door positioning
- Easy Soap - liquid soaps connection
- External lubrication system
- Patented inner door lock

MXB 360*	MXB 500*	MXB 700
36KG 79LB	50KG 110LB	70KG 154LB



MXB 360-500

## PRODUCT FEATURES

- Freestanding, high spin
- 2x large drain valves (Ø 76 mm)
- Easy access to all parts
- Frequency controlled motor
- Large door opening for easy loading and unloading
- XControl FLEX PLUS - Multilingual 7" touch screen platform
- Freely programmable
- Soap dispenser with 5 removable compartments
- Patented Cascade drum
- RS485 & USB plug
- Designed with focus on ergonomics
- Golden lock – patented inner door lock mechanism
- Easy Soap - liquid soaps connection
- Available as Pullman

MB 70	MB 90	MB 110	MB 140	MB 180
26KG 60LB	32KG 75LB	110KG 242LB	140KG 308LB	180KG 396LB



MB110

## PRODUCT FEATURES

- Freestanding, high spin
- Large drain valve (Ø 126 mm)
- Stainless steel cabinet (AISI 304)
- Stainless steel drum and tub
- Graphitronic® - graphic display
- Multilingual microprocessor
- Freely programmable
- Soap dispenser with 5 removable compartment
- Standard Pullman drum on MB70, 90 optional MB110
- Standard Y-pocket (3 pockets) drum on MB110, 140, 180
- Air-operated water inlets

T9	T11*	T13* <b>TAMS13</b>	T16*	T24	T13/13	T35
9KG 20LB	11KG 27LB	13KG 20LB	16KG 35LB	24KG 53LB	2 X 13KG 2 X 27LB	35KG 77LB

\*HP - Heat Pump



T11

### PRODUCT FEATURES

- Easy to use microprocessor
- RADAX® concept – combination of radial and axial airflow (except T24-T35)
- Large door opening for easy loading and unloading



DX55

DX 13	DX 24	DX 34	DX 55	DX 77	DX 90
13KG 30LB	24KG 55LB	34KG 75LB	55KG 120LB	77KG 170LB	90KG 200LB

### PRODUCT FEATURES

- Radial airflow
- Full microprocessor
- Reversing drum
- Self-cleaning lint screen
- Preheating of intake air
- Large door opening
- Stainless steel drum

TAKE CONTROL OF YOUR LAUNDRY  
WITH PRIMUS INNOVATIONS

I LINE RANGE	<b>I25-100</b>	<b>I25-120</b>	<b>I25-140</b>	<b>I30-160</b>	<b>I30-200</b>	<b>I33-160</b>	<b>I33-200</b>	<b>I50-160</b>
	250MM	250MM	250MM	300MM	300MM	320MM	320MM	500MM
	<b>I50-200</b>	<b>I50-250</b>	<b>I50-320</b>	<b>I80-320</b>				
	500MM	500MM	500MM	800MM				

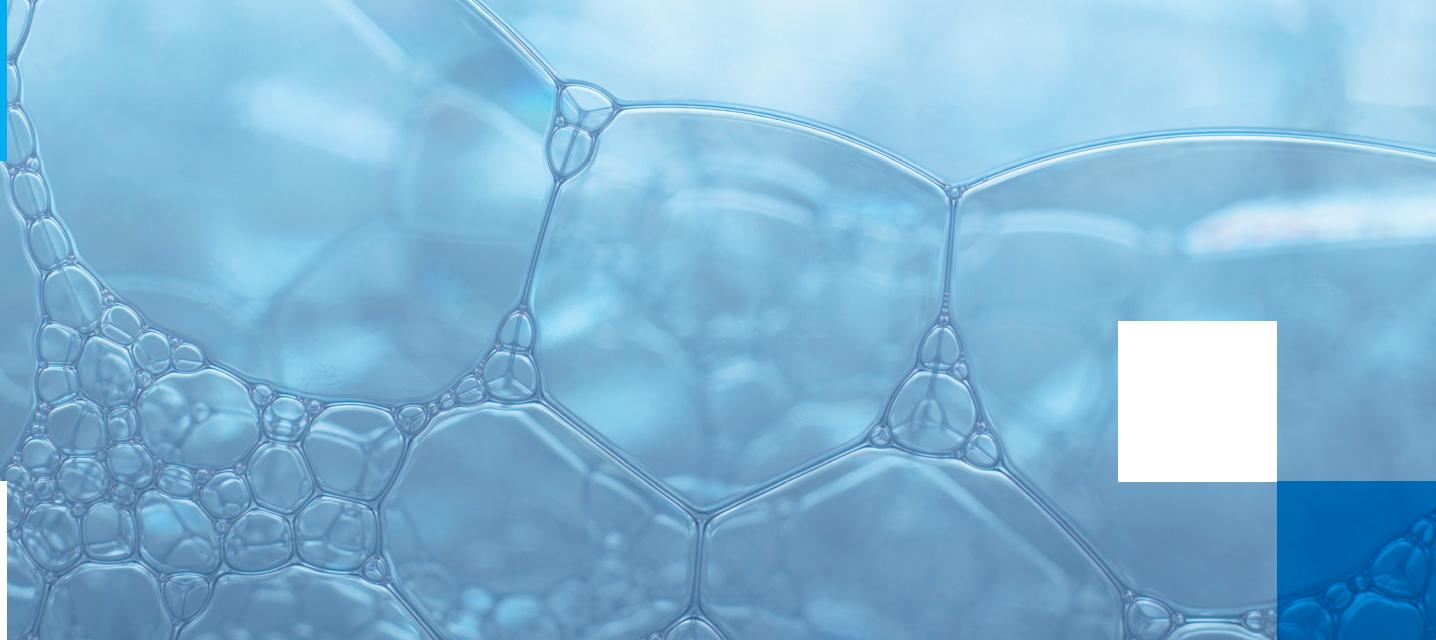
### PRODUCT FEATURES

- Standard finger guard protection
- Reduced number of mechanical and moving parts for a lower maintenance cost
- Long-life heating elements
- Optional foot pedal for easy start and stop operation
- Available with XControl FLEX PLUS - Multilingual 7" touch screen platform (Only for I/IR/IF50)
- Homogeneous ironing pressure to ensure top ironing quality
- Built-in large laundry box
- Standard M-Aramidé top cover sheet
- Space saving installation against the wall is possible – front return



IF50 with XControl FLEX PLUS

For Industrial high productivity cylinder, chest type single or multi-rolls flatwork ironers range and feeding, folding stacking units, see Primus range brochure



#### WORLDWIDE HEADQUARTERS

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