



primus®

SOFTMOUNTED WASHER-EXTRACTORS WITH XCONTROL FLEX+ **FX 350 | 450 | 600**



GET AHEAD IN LAUNDRY 

Primus softmount range



65 – 80 – 105 – 135 – 180 – 240 - 280 L
FX65-280



350 – 450 - 600 L
FX350-600



800 – 1000 - 1200 L
FS800-1200



- Frame: Zinc plate steel
- Joints: Clinched
- Drum perforation: 3,5 mm
- G-factor: 400 G (350 G for 280 L)
- Water inlets: $\frac{3}{4}$ "
- Specials: SoftWash, Mop Wash

- Frame: Painted steel
- Joints: Welded
- Drum perforation: 5 mm
- G-factor: 360 G
- Water inlets: 1"
- Specials: Tilting forward (450-600 L)

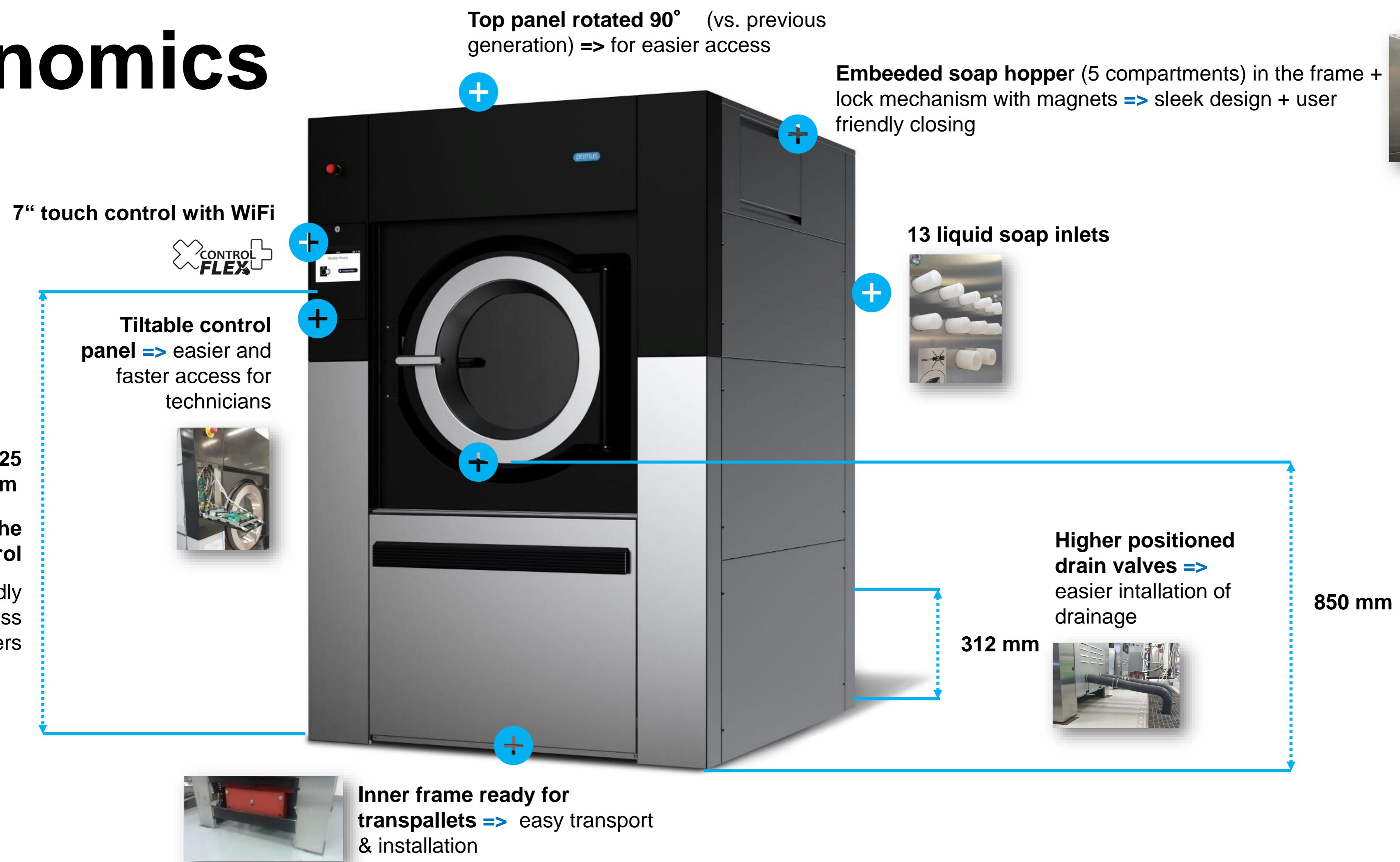
- Frame: Painted steel
- Joints: Welded
- Drum perforation: 5 mm
- G-factor: 350 G
- Water inlets: 1½" air-operated
- Specials: Tilting forward / forward & backward

Design

Primus	
Bottom front panel	Stainless steel
Upper front panel	Black (stainless steel option)
Central penel	Black (stainless steel option)
Bottom legs	Stainless steel
Upper legs	Black (stainless steel option)
Side panels	Stainless steel
Door / Hinges	Stainless steel / Black



Ergonomics



Frame

- Robust welded frame
- Suspension by industrial springs and dampers
- Special bars suitable for transportation by forklifts and transpallets



Door

- Large door opening
- Convenient height from floor to door
- Wide opening angle



L	350	450	600
Opening diameter (m m)		540	
Opening angle (°)		178	
Floor to door opening (bottom edge) (m m)		848	
Floor to handle (m m)		1175	



Drum: overview

- Special textured drum with patented „Cascade“ shape
- Large perforation
- Fully perforated „front 2 back“
 *Faster water drainage from the drum*
- Perforated baffles
 *Extra shower & rinse effect*

		350 L	450 L	600 L
Diameter	(mm)	914		1035
Depth	(mm)	535	690	715
	(l)	350	450	600
Drum capacity	(kg) 1:10	35	45	60
	(kg) 1:9	39	50	67
	(lb) 1:10	77	99	132
Perforation	(mm)	5		
Baffles		6		
Drum	Type	Primus Cascade Drum		



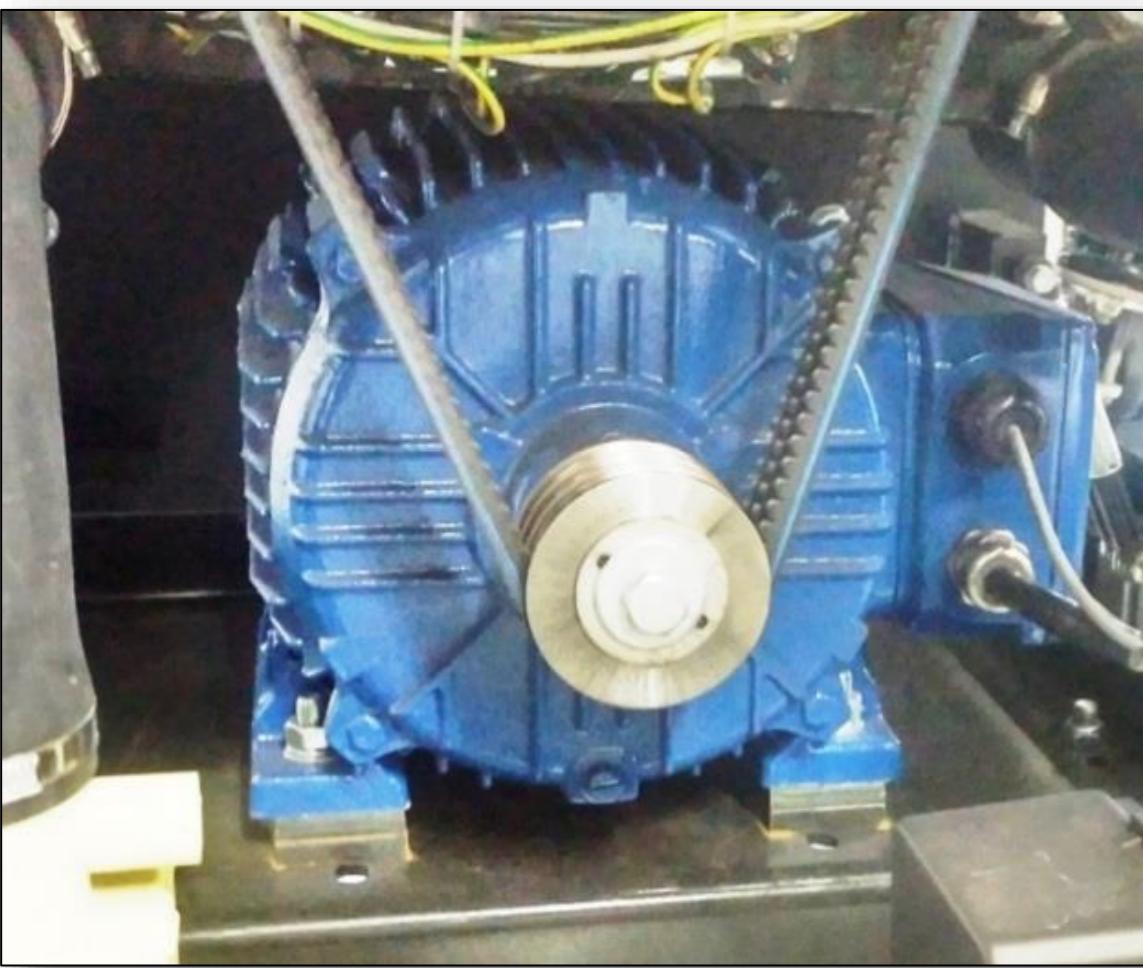
Cascade drum type

Drum: comparison

 *Bigger & unmatched capacities. No direct competition of Elux, Miele, Girbau, Imesa*

	Category 35kg / 77lb	Category 45kg / 99lb	Category 60kg / 132 lb
Alliance LS	350 L	450 L	600 L
Fagor	350 L	450 L	600 L
Electrolux	300 L	400 L	600 L
Tolon	365 L	n/a	579 L
Girbau	320 L	395 L	569 L
Miele	320 L	n/a	n/a
Imesa	320 L	400 L	565 L

Motor and Voltage



Available voltage:

- 200-240V 50/60Hz 3ph
- 380-415V 50/60Hz 3ph
- 440-480V 50/60Hz 3ph

		350 L	450 L	600 L
Power	(kW)	4	7,5	
G factor - max		360		
Wash - default	(rpm)	38		36
Extraction - default	(rpm)	790		745
Extraction - max	(rpm)	839		788

 **Higher G factor helps to have lower residual humidity => shorter drying cycle => lower cost for laundry owners**

Noise – wash	db(A)	55 (42,2*)	55 (48,7*)	55 (49,5*)
Noise - extraction	db(A)	75 (62,5*)	75 (64,6*)	75 (64,8*)

* w/ optional „Insulation for heat and energy reduction“

Heating

Available heating versions:

- Boiler fed with Prep for steam
- Electric with prep for steam
- Direct steam
- Dual heat (Electric + Steam) -> easy access to switch on the rear panel

		350 L	450 L	600 L
Boiler fed	°C	90		
Electric	kW	24	36	54
Steam	Bar	3 - 8		

Water Inlets

- 2x 1“ water inlets as standard (DN25)
- Water pressure: 1 – 8 bars
- Recommended water pressure: 3 – 5 bars
- Water hoses delivered along with the machine

 **Water hoses as standard accessories delivered along with the machines = no need of extra spending**

- Options:

- 3x 1“ water inlets

 **Less time needed to fill up**

- Air-operated water inlets

 **Faster water flow & longer lifespan**



Dosing: Manual (powder)

- Standard
- Embedded design
- **More hygienic**



- All new locking system by 2 magnets
- ***The magnet system makes opening / closing much easier even with wet hands***

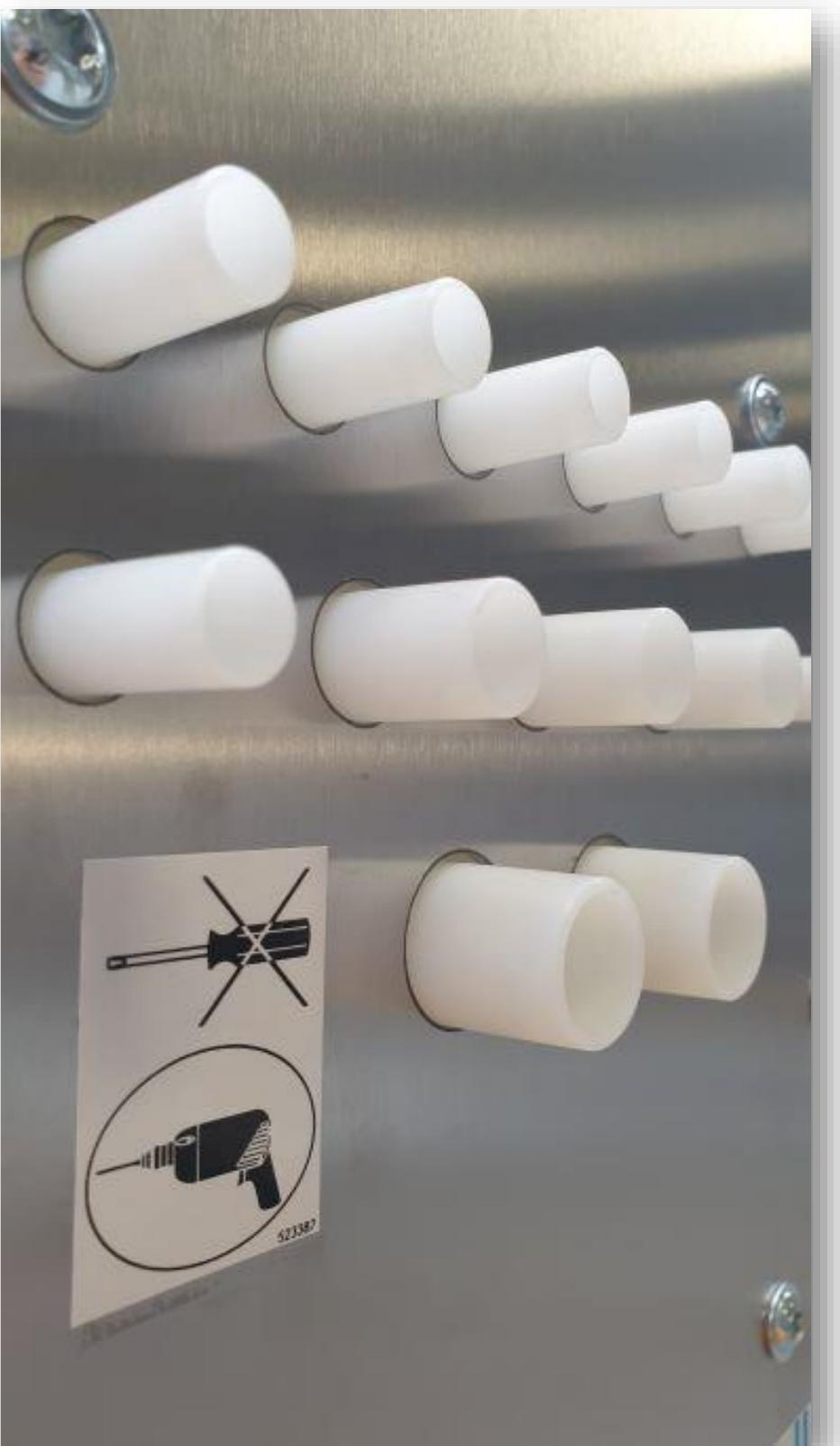
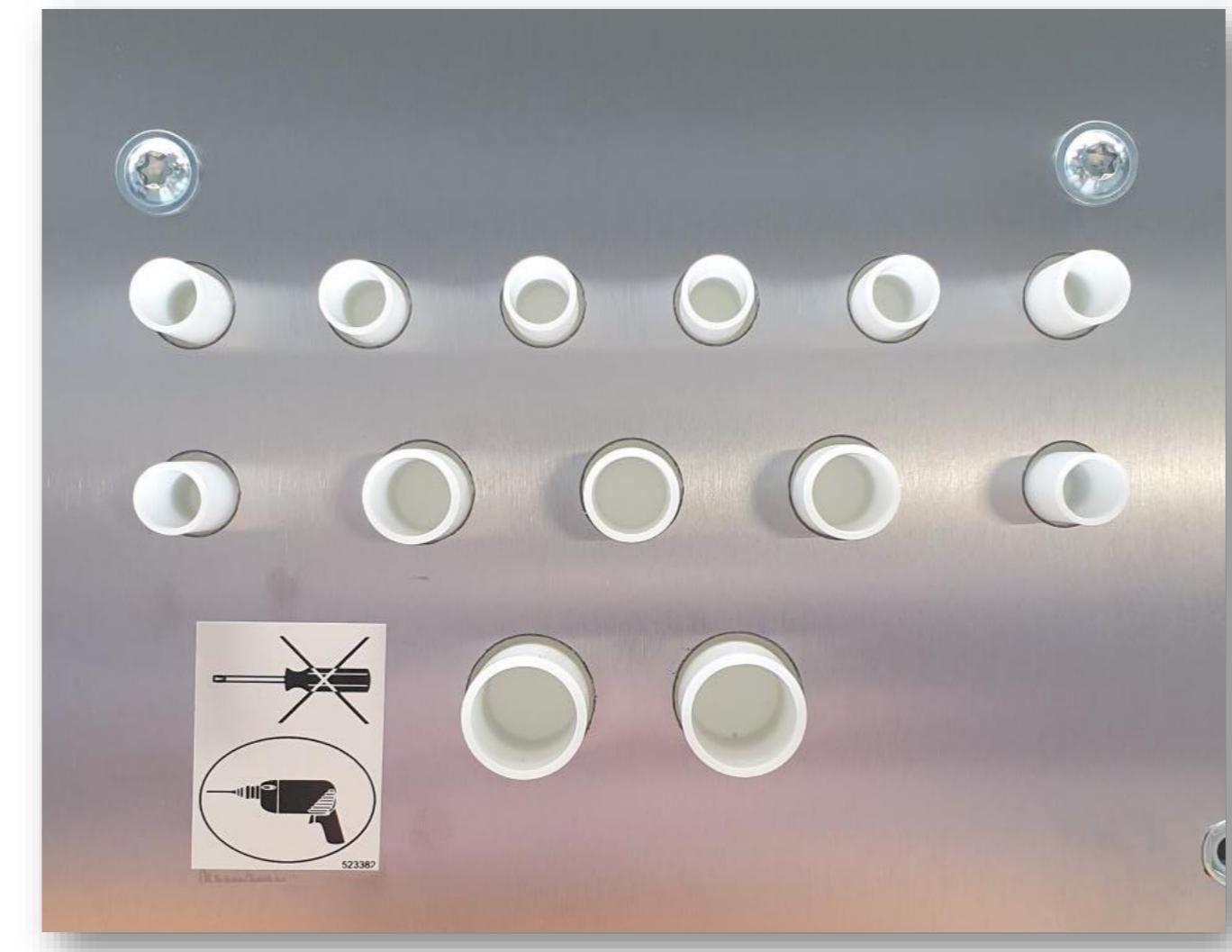


- 5 compartments (Polypropylene cups: capacity 1 kg each)
- Positioned on right side of the machine (for operators)
- Opening angle 150°
- Option: without the soap hopper



Dosing: Automatic (liquid)

- Standard prep for automatic liquid soap detergent dosing
- 13 ports with 3 different diameters
- Liquid soap print board at rear
- Soap signals:
 - 8 as standard
 - Extension to 16 (Accessories)



Drain



- Standard 2 drain valves
- 3“ (76mm)
- Second drain valve can be optionally selected with function for water reuse
- Higher drain position helps to have easier installation (312 mm from the floor)

Weighing Systems

Available as of Q2/2022

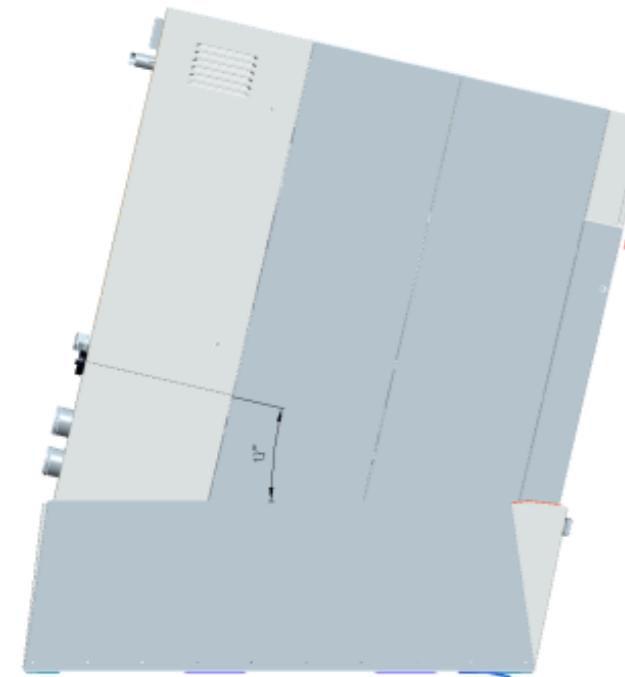
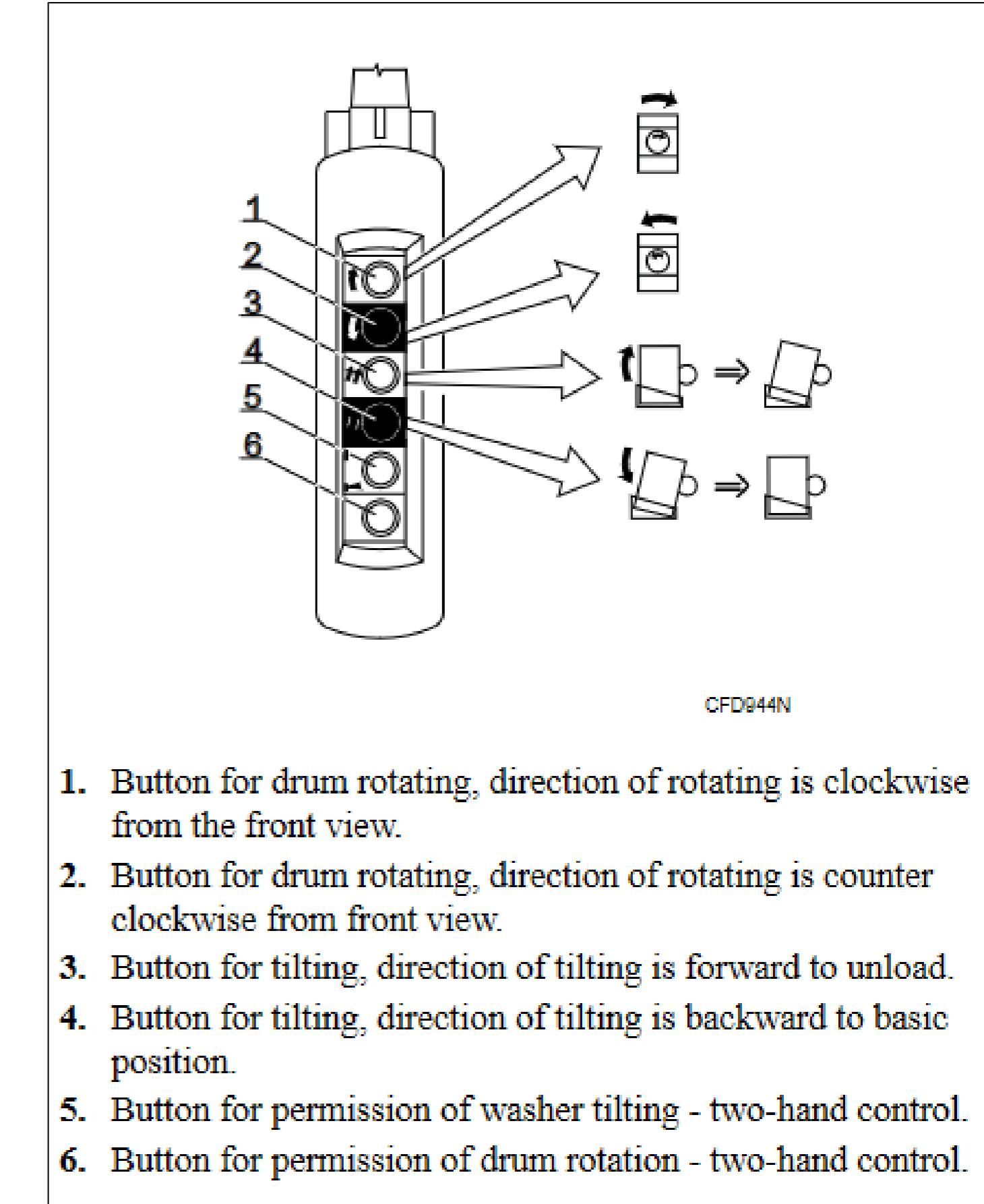
To minimize cost / save energy / be environmental friendly, take advantage of 2 offered weighing systems:

- **Manual weighing system**
 - Standard feature of the touch control
 - Manual entry of loaded weight on the touch screen
- **Automatic weighing system (by weighing cells)**
 - Optional
 - Automatic sensing of loaded weight by 4 precise weighing cells
 - Can be equipped in combination with tilting system
- The control automatically adjusts water level and dosing of liquid detergents (if enabled) accordingly.
Indirectly, this also reduces the energy needed for the water to heat up

Tilting

Available as of Q2/2022

- Tilting system helps operators during loading and unloading
- Extra wired controller for operating the tilting device
- The optional tilting system works also in combination with the automatic weighing system



Forward

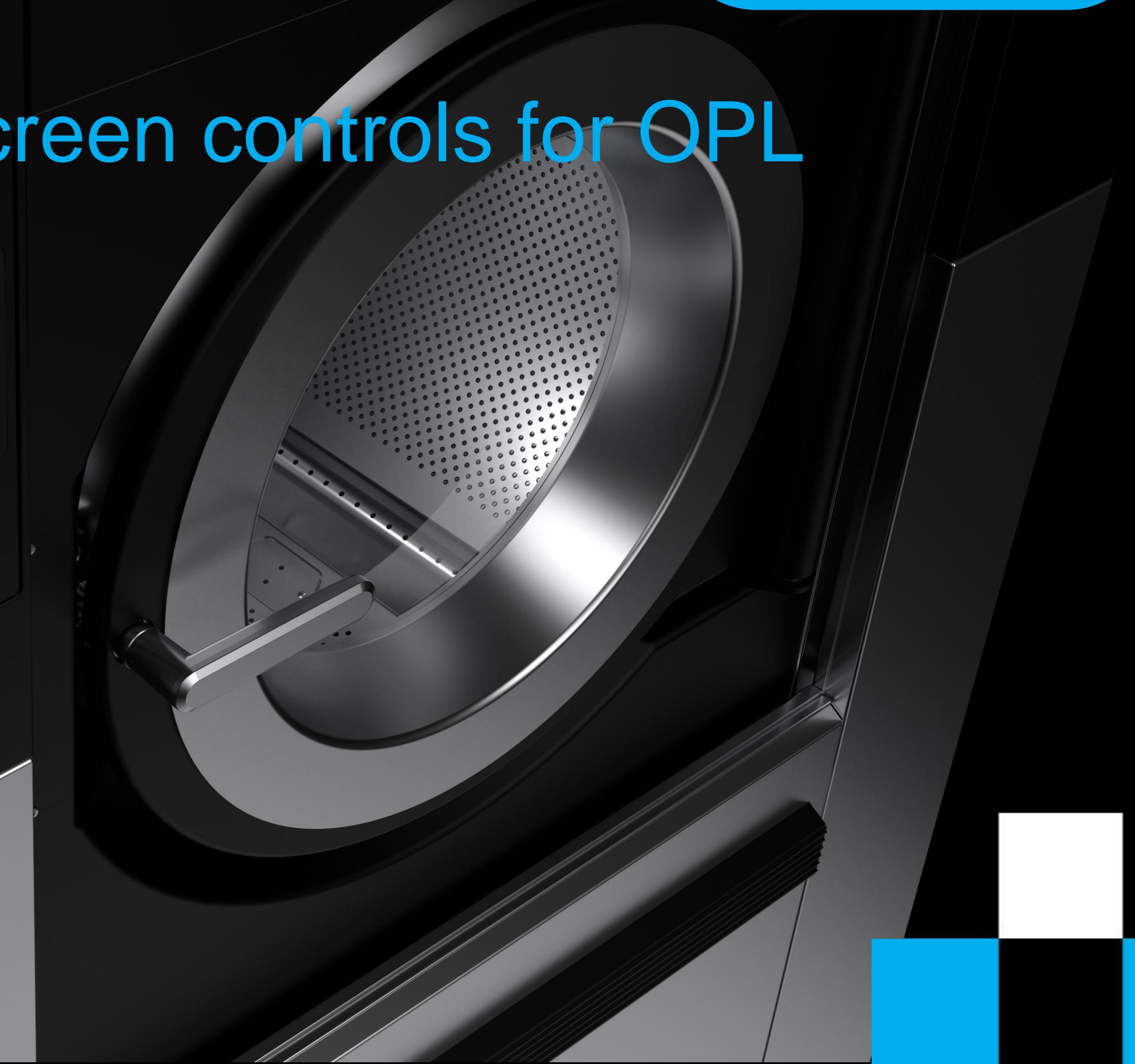
- *Tilting angle 13° forward*
- *Fast tilting (within 15 sec)*
- *Available for capacities: 450 L and 600 L*

 ***Tilting significantly simplifies unloading of wet heavy linen to a linen trolley after wash cycles = higher throughput & better work environment***

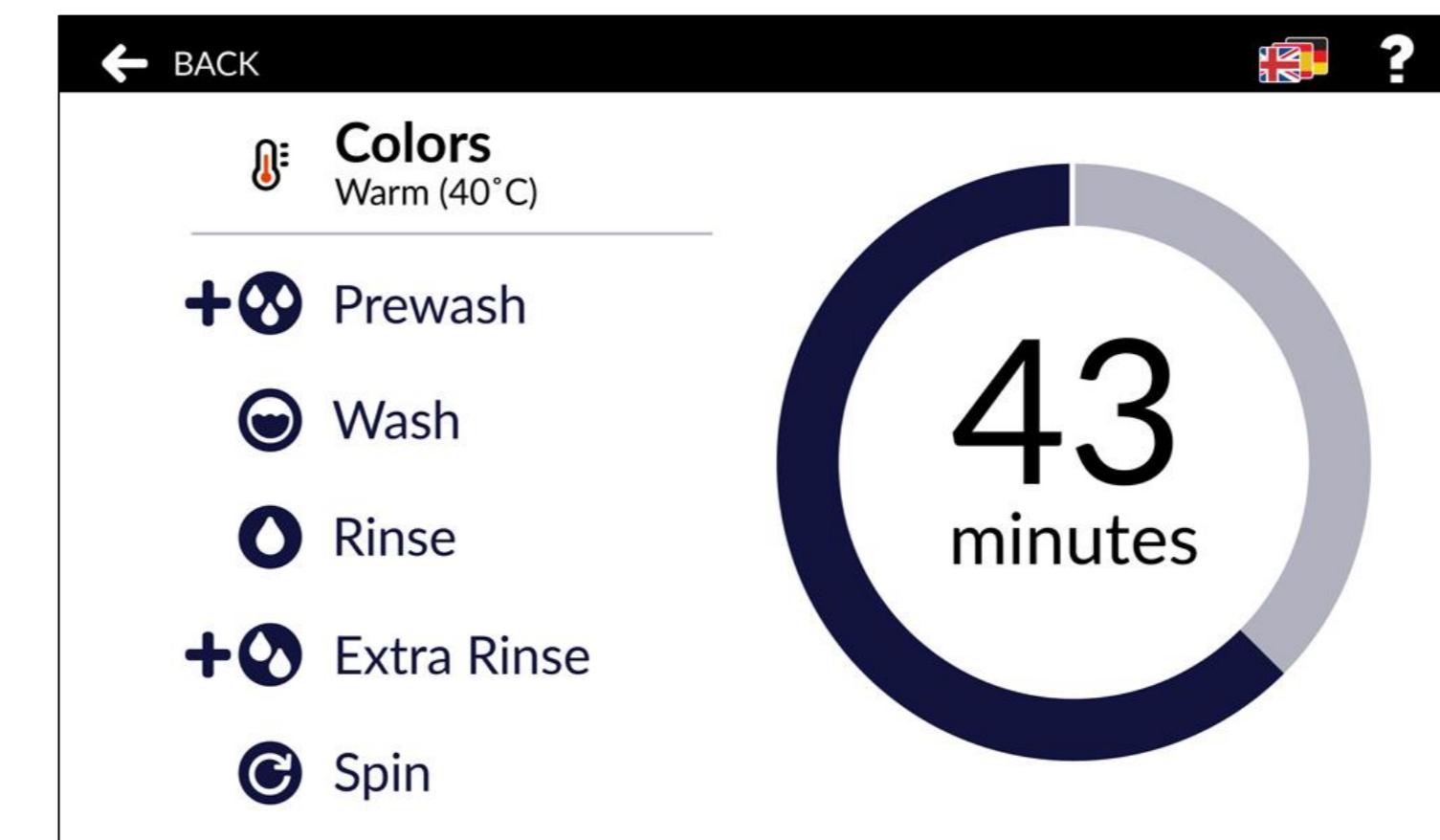
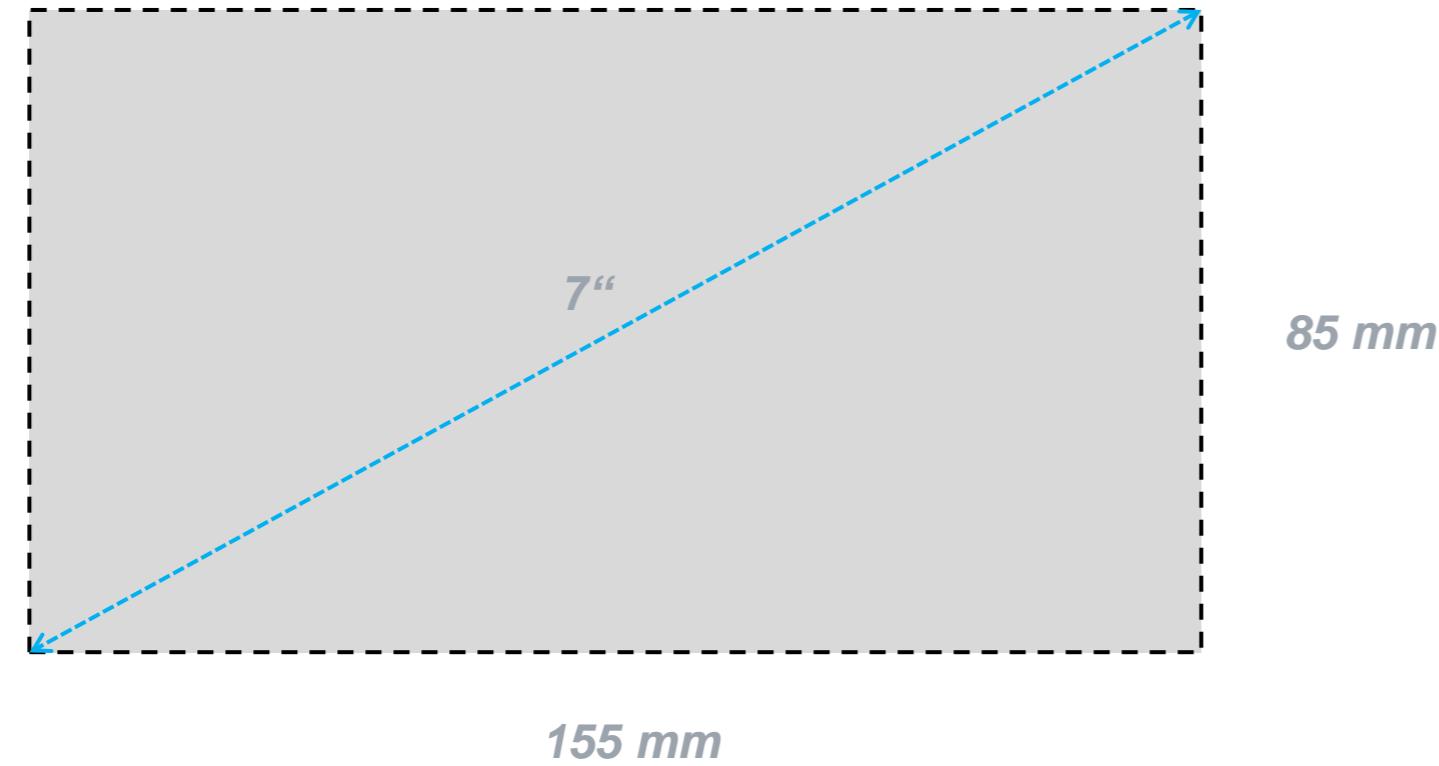


primus®

Connected Touchscreen controls for OPL XCONTROL FLEX+

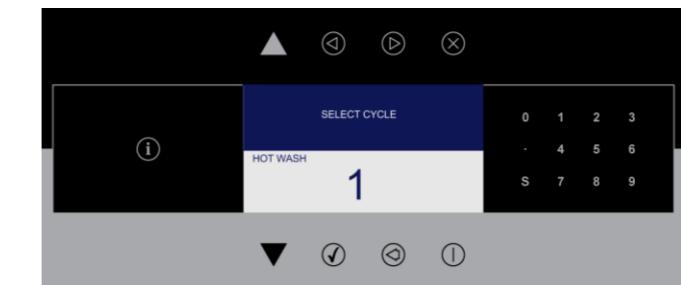


General Overview



Control size	7" diagonal	(12,9% larger than iPhone 12) (12,6% smaller than iPad mini 5)
Resolution	1024 x 600 (WSVGA)	(H:V ratio 15:9)
Luminance (brightness)	1000 nit (cd/m ²)	(625 cd/m ² on iPhone 12) (870 cd/m ² on Samsung S21 Plus)
Colors	+16 million colors	(equal to Samsung S21-series)
Viewing angle	180° viewing angle	(High viewing angle for perfect readability)
Communication	USB, RS485, WiFi	
Energy savings	Screensaver mode	
Chemical resistance	Passed over 25 selected chemical substances	(Coffee, Juice, Acetone, Gasoline, Vinegar,...)

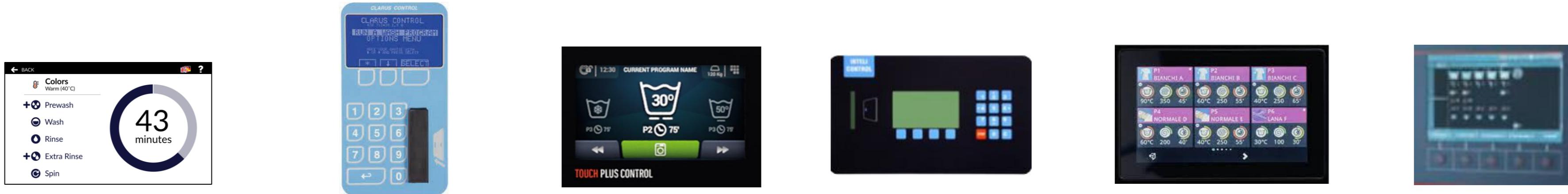
Comparison Button vs Touch



Commercial name	„Button“ generation	„Touch“ generation
Display	5“ monochrome	7“ touch & swipe
Colors	Blue & white	16 milion
Program memory	99	99
Program change	All fully programmable	All fully programmable
Languages	21	34
Connectivity	USB / RS485	Wireless / RS485 / USB
Network	Local	Cloud / Local
Updates	Via USB	OTA** / USB
Manual weighing system	✓	✓ (Q2/2022)
Automatic weighing system by weigh.cells	✓	✓ (Q2/2022)
Traceability	✓	✓
Count-up timer	--	✓
Delayed start	✓	✓
Batch number	✓ (w/ SoapLink)	✓
SoapLink communication	✓	✓ (Q2/2022)
Extra	Banners	✓ (TBD)
	QR codes	✓ (TBD)
	Water leakage detection	✓ (TBD)

** OTA = Over the Air

Comparison: competitors



	ALS	Electrolux	Onnera	Girbau	Imesa	Tolon
Control type	MC10 generation	Clarus Control	Touch Plus	Inteli	IM11	
Display	7" Touch	Monochrome	7" Touch	Monochrome	7" Touch	7" LCD
Programs	20 pre-set 99 memory	Up to 192	29 pre-set Indefinite	20 pre-set 99 memory	Unlimited	16 pre-set 99 memory
Plug	USB RS485	Memory card	USB	Memory card		USB
WiFi	Yes	--	Yes	--	Yes	--
External dosing	8 + 8	8 + 5		12	11	

Languages

34 available languages as standard

- 7 new languages for selection
- Chinese, Japanese and Korean language no longer in separate software version
- Slovak and Bulgarian now also fully translated in advance & service menu

 **Better market fit and customer interaction**

 English	 Hungarian	 Romanian
 Bulgarian	 Indonesian	 Russian
 Chinese (Simplified)	 Italian	 Slovak
 Chinese (Traditional)	 Japanese (Standard)	 Slovenian
 Croatian	 Korean	 Spanish (European)
 Czech	 Latvian	 Spanish (Columbian)
 Danish	 Lithuanian	 Swedish
 Dutch	 Malaysian	 Thai
 Finnish	 Norwegian	 Turkish
 French	 Polish	 Vietnamese
 German	 Portuguese (European)	
 Greek	 Portuguese (Brazilian)	

New compared to Xcontrol
("button" version)

Program Library

- 20 pre-set programs
- 99 programs memory
- Legacy of current (MC7 gen) controls
- All freely programmable

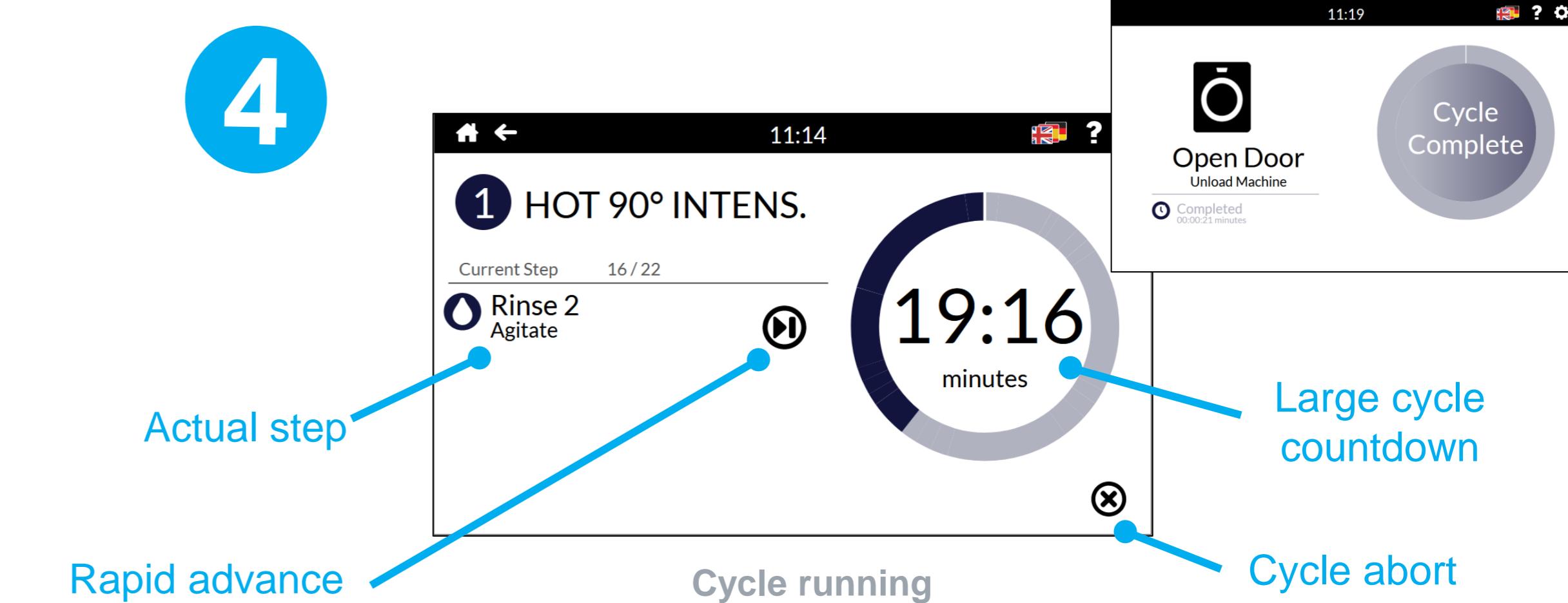
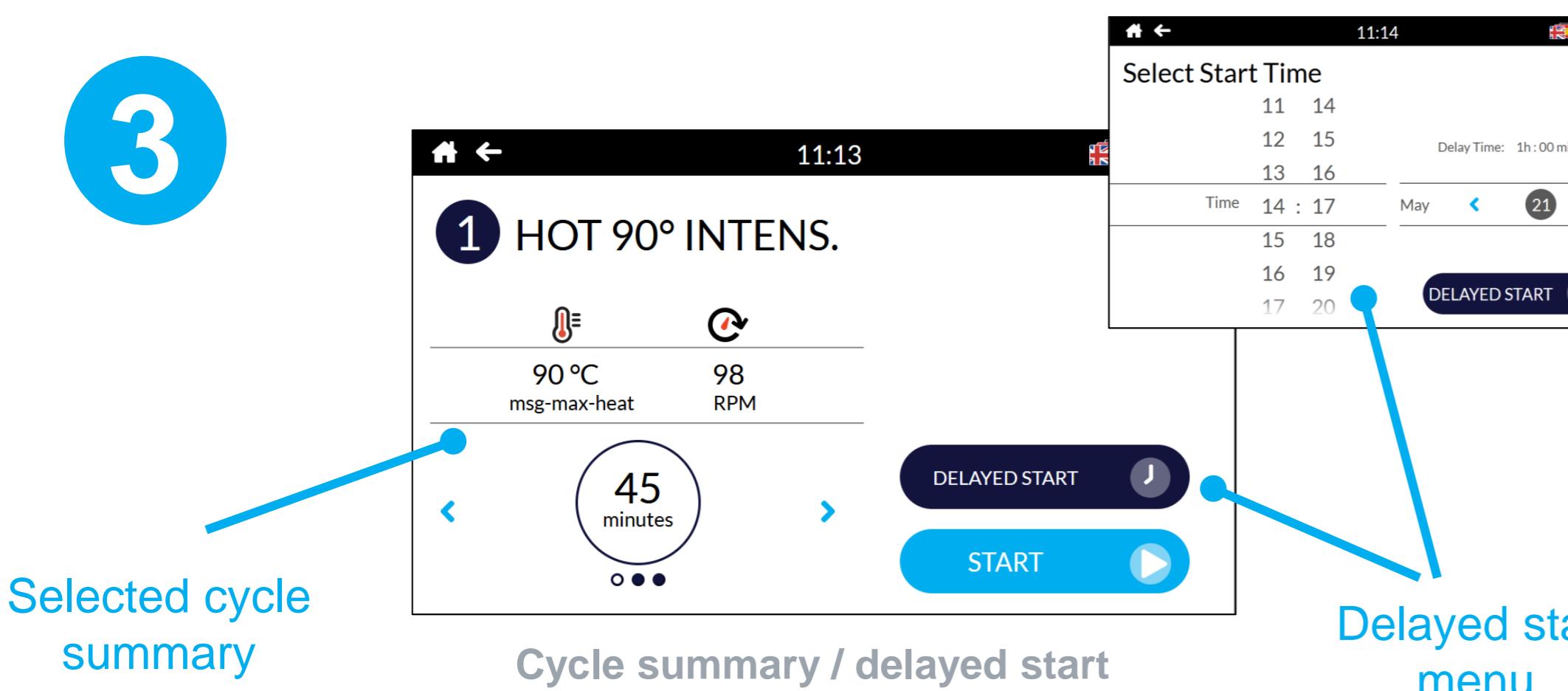
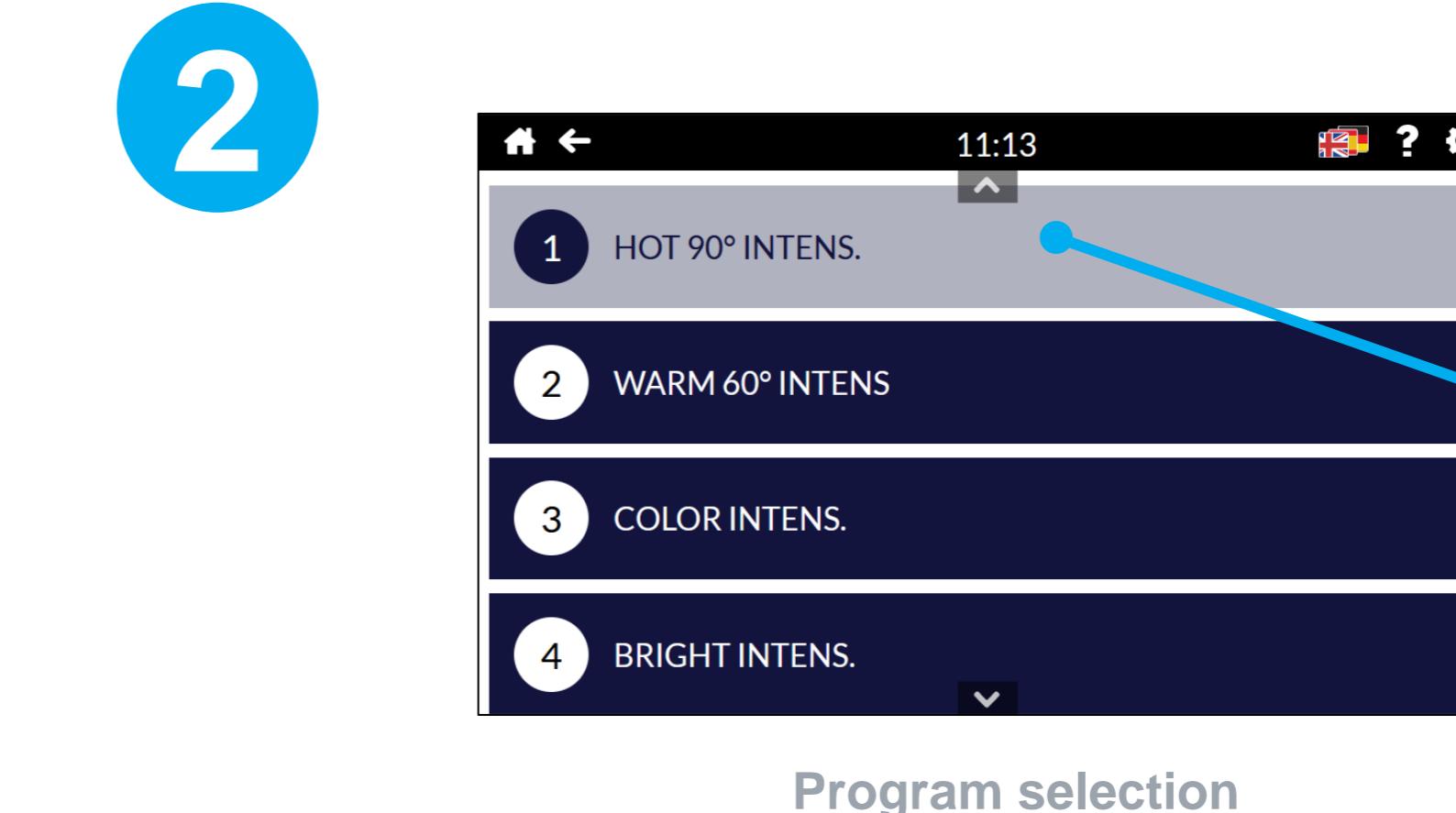
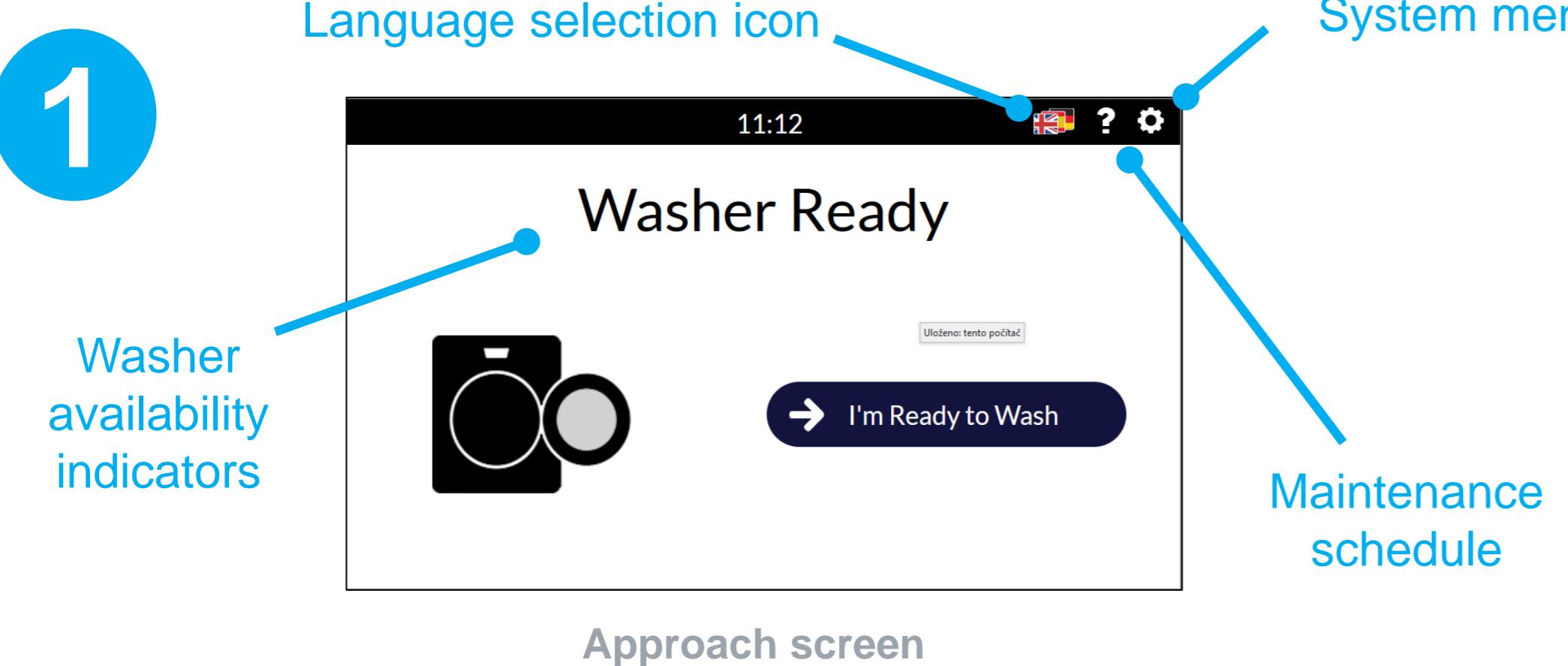


Pos.	Pre-set Programs	
1	Hot Intensive (90°C)	Intensive
2	Warm Intensive (60°C)	
3	Color Intensive (40°C)	
4	Bright Intensive (30°C)	
5	Woolens (15°C)	
6	Hot Wash (90°C)	Standard
7	Warm Wash (60°C)	
8	Color Wash (40°C)	
9	Bright Wash (30°C)	
10	Eco Hot Wash (90°)	ECO
11	Eco Warm Wash (60°)	
12	Eco Color Wash (40°C)	
13	Eco Bright Wash (30°C)	
14	Extraction - Low Speed	
15	Extraction - High Speed	
16	Sport 60°C	
17	Mops 60°C	
18	Horse Cloths 40°C	
19	Jeans 60°C	
20	Starching	

Navigation

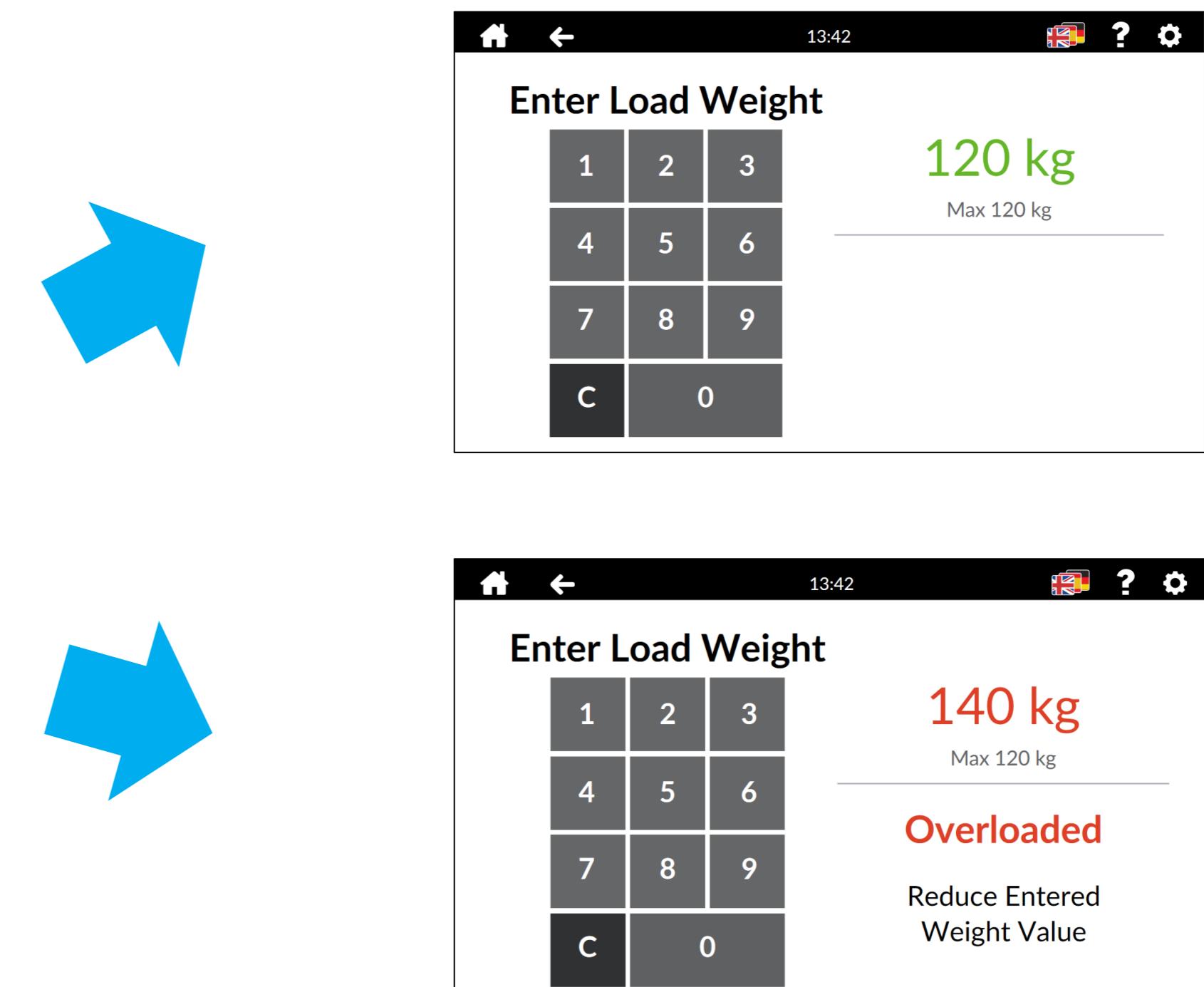
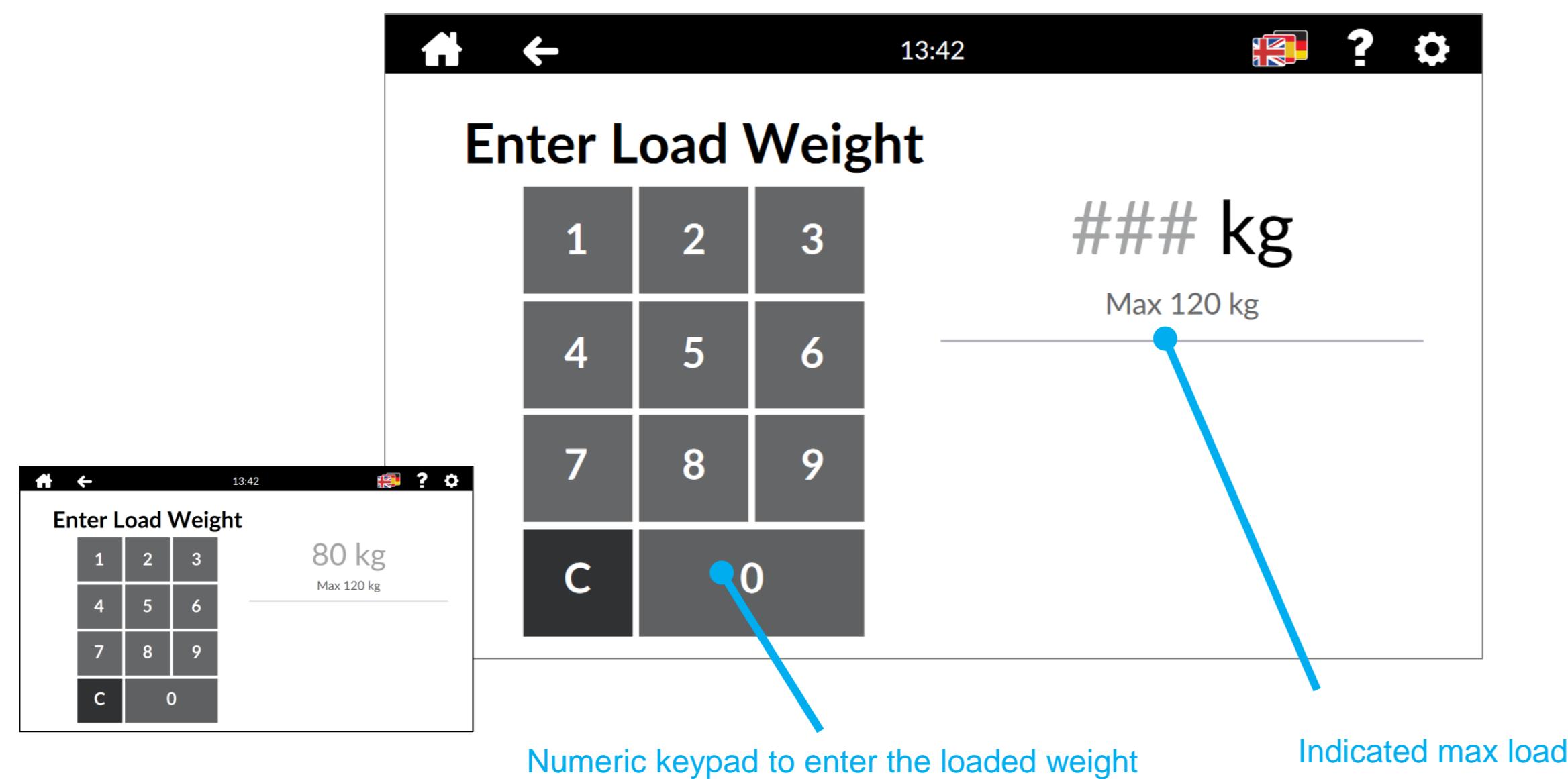
DISCOVER THE DEMO:

https://aca-demo-simulators.alliancels.net/xcontrol_flex_index.html



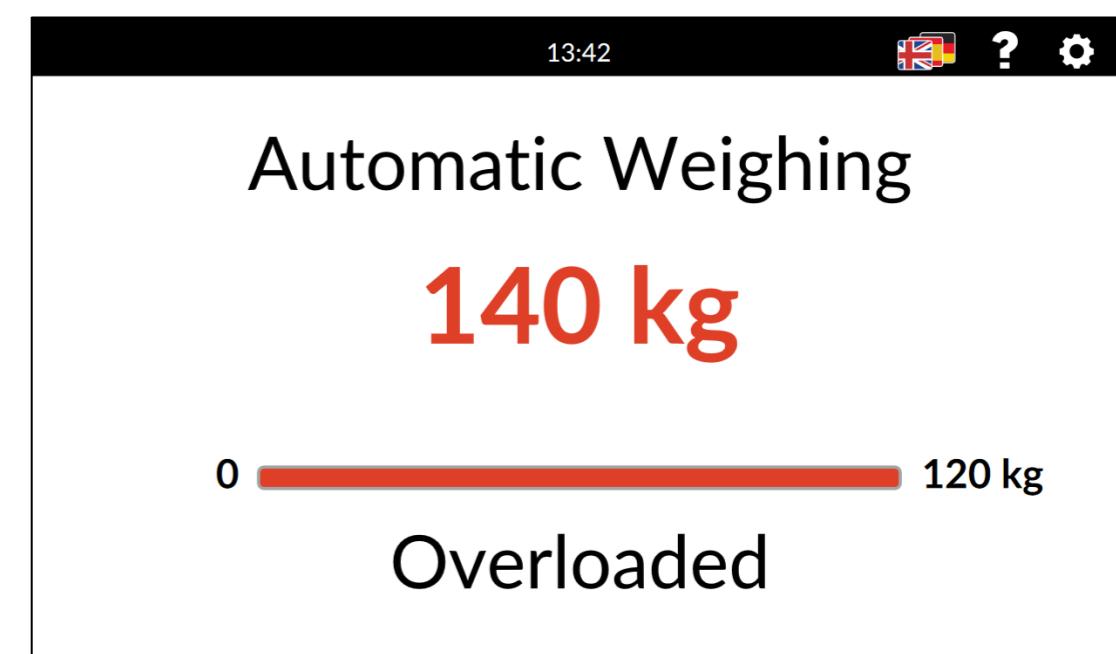
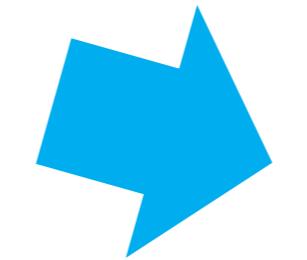
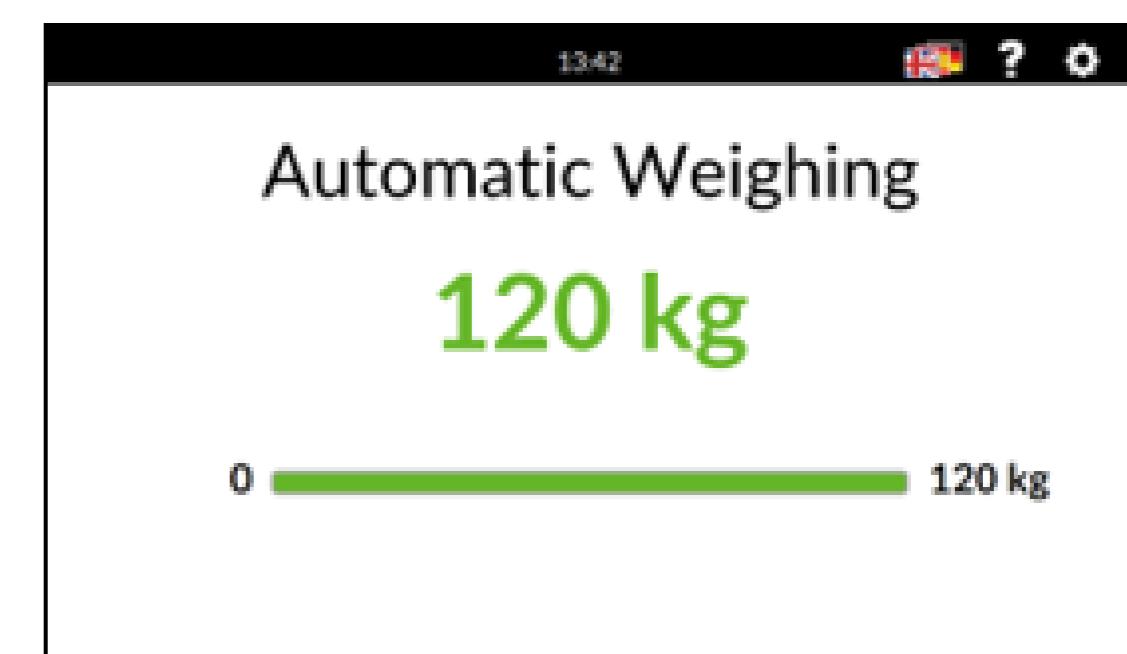
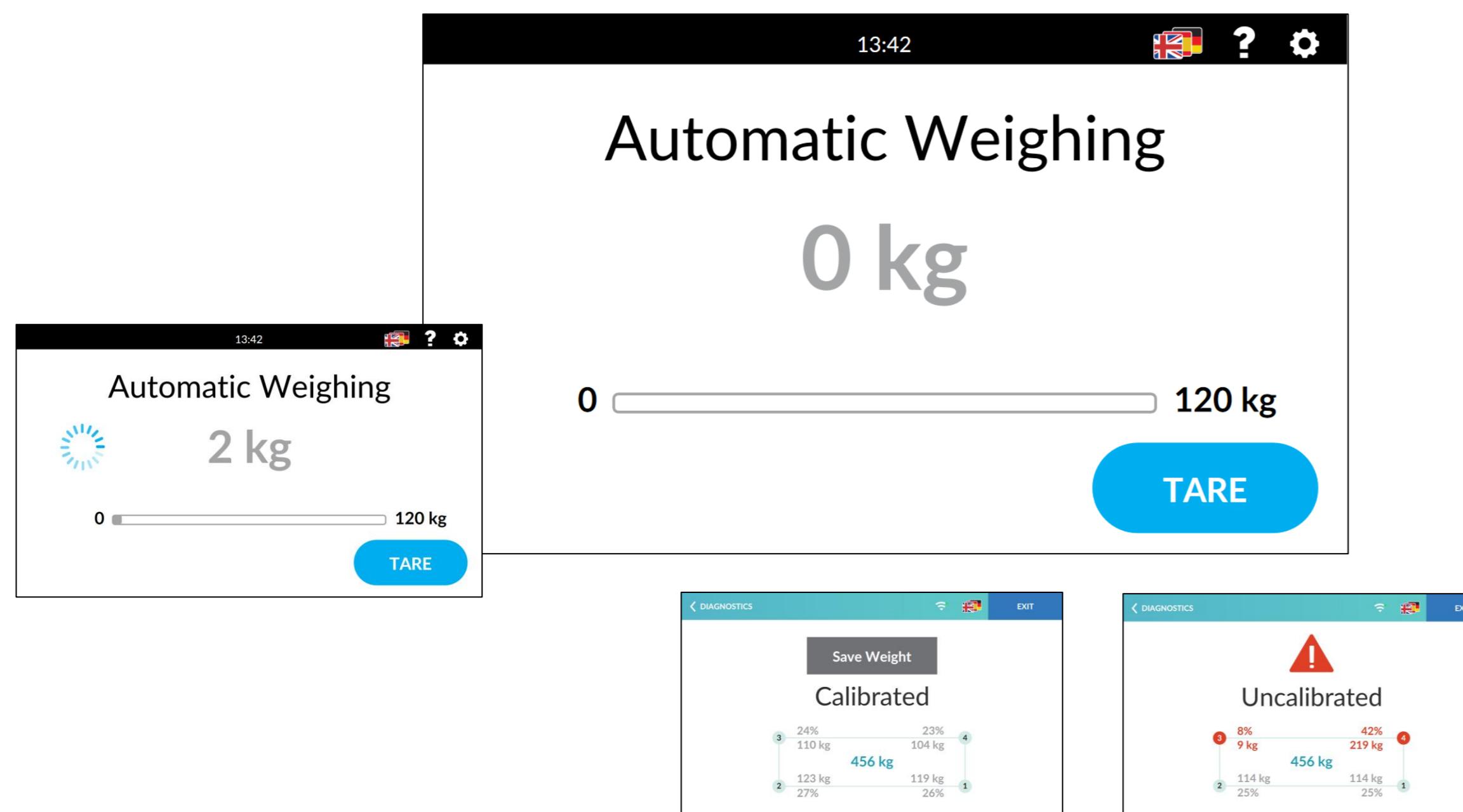
Features: Manual Weighing

- Used in laundries equipped with weighing scales for linen trolleys
- Manual entry of loaded linen weight -> the control automatically adjusts parameters accordingly
- Simplified guidance with indication of correct load / overload



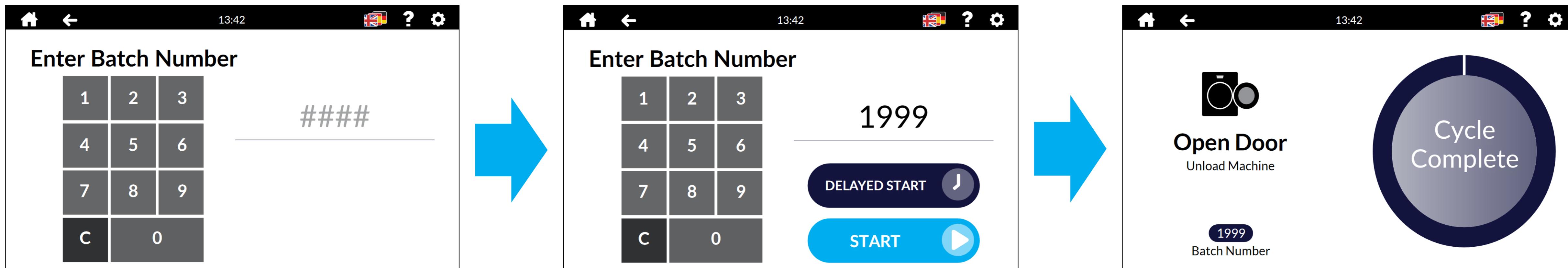
Features: Automatic Weighing

- Optional system for fully automated weighing by 4 weighing cells
- Weight can be tared and calibrated for adjustments / corrections
- Visual bar for extra indicating of loaded weight

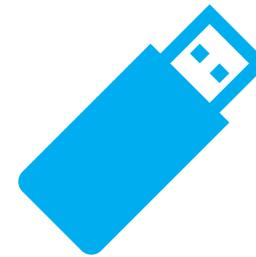


Features: Batch Entry

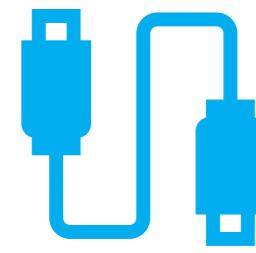
- New feature
- Operators can assign number to washed batch for traceability in the laundry management system
- 1 – 4 digit code for identification of customers / linen types / contracts



Connectivity



- USB plug (standard on the main board)
 - Easy loading & saving programs / settings
 - Optionally USB plug extension to the rear panel



- RS485 plug (standard)
 - Communication with Trace-Tech
 - Required for online traceability in Trace-Tech



- Wireless antenna (standard)
 - Communication with cloud-based systems i-Trace

Wireless Communication



Build-in WiFi antenna as standard

- Offering remote support & services from anywhere at any time: stay connected!
- Remotely reset / reboot of machines; cycle programming; error reading, etc.
- Cloud services



OTA updates

- Machine allows wireless update of firmware called OTA (Over the Air) well known from cell phones
- For full functionality internet connection is needed



Cloud based networking

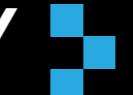
- Remote control of laundry as powerfull tool to increase efficiency of laundry business
- i-Trace



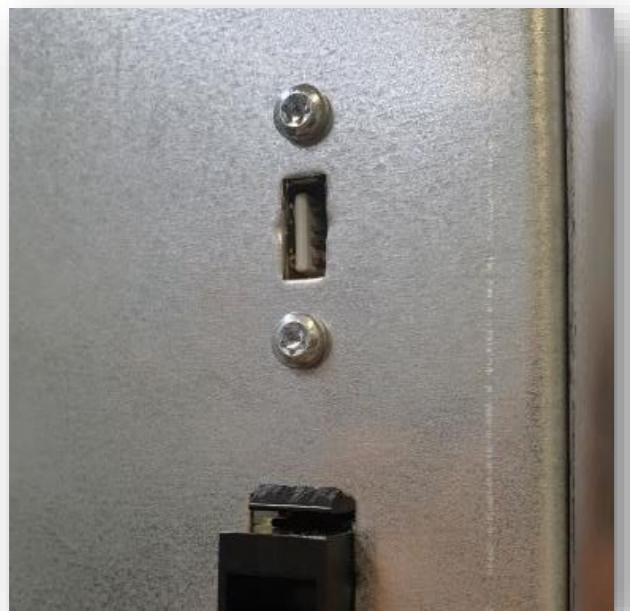
primus®

SUMMARY FX 350 | 450 | 600



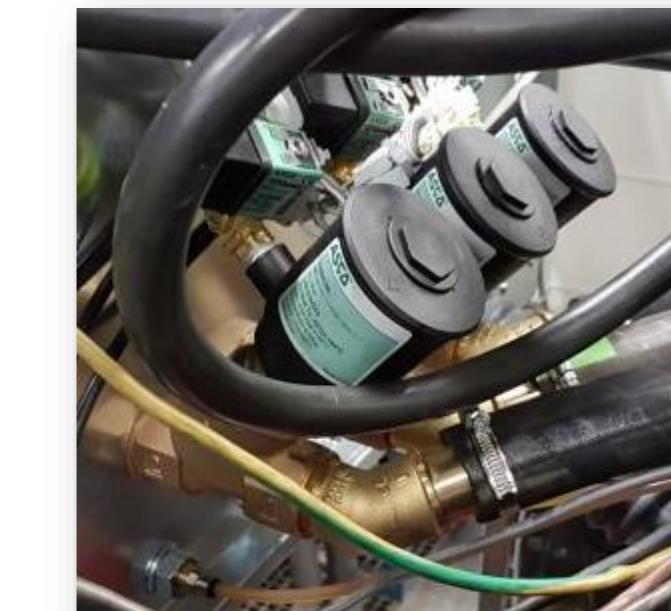
GET AHEAD IN LAUNDRY 

Options List



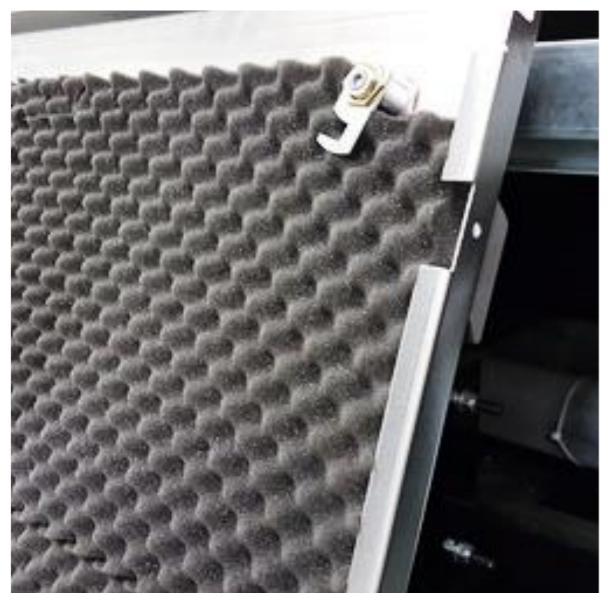
USB plug on the rear panel

- Extension from the main board to the rear panel



Air-operated water inlets:

- Faster water filling = shorter wash cycles
- Longer lifespan



Insulation for energy and heat reduction

- Reduced noise and heat dissipation



Extra signaling

- Added orange light & horn for extra signaling end of cycle

Options List



Forward tilting:

- Faster & easier unloading of washed linen
- ***Available for 45kg and 60kg as of Q2/2022***



Water sample tap

- For water sampling (titration)



Weighing system by cells:

- Automatic weighing of loaded linen for energy reduction
- ***Available as of Q2/2022***

Dimensions

Net

		350 L	450 L	600 L
Height	(mm)	1925	1925	1925
Width	(mm)	1315	1315	1414
Depth	(mm)	1182	1414	1414
Weight	(kg)	1010	1350	1500

Shipping

		350 L	450 L	600 L
HxWxD	(mm)	2125x1425x1470	2125x1425x1700	2125x1425x1700
Weight	(kg)	1150	1490	1640

Market Approvals*



*Please contact RSM for local availability

CE

- CE logo on the serial plate

CE

CE + EAC

- EAC logo on the serial plate

EAC

CE + Watermark

- Extra: double safety valves as standard accessory

W
WaterMark

Data Plate



Alliance Laundry CE s.r.o.
Místecká 1116
742 58 Příbor
Czech Republic



Model : WF600B	Type : IY600
Mfg. No.: IYC600V0BNPK2BQ0AT	Ser. No.:

3x380-415V 50/60 Hz

Variant : IY600

Capacity : 60 kg

Motor : 7,5 kW

Spin : 780 RPM

Heating : 54 kW

Power : 58 kW

Supply Protection Device : 100 A Year : 2021



575968

Model = Agency model

MFG.NR = model number code (18-digit)

Type = Commercial name

Ser. No. = Serial number

IYC600V0BNPK2BQ0AT

18-digit Code

P Y C 350 V ****

Position 1	Pos. 2	Pos. 3	Pos. 4-6	Pos. 7	Pos. 8-18
Brand	Product Category	Market	Capacity	Control	Others

Y = softmounts

C = CE

350 = 35 kg

V = 7" touch with WiFi

U = CE + EAC

450 = 45 kg

M = CE + Morocco

600 = 60 kg

Top benefits

1. Attractive capacities

- ✓ Bigger than previous line; Less direct competitors

2. Long life span

- ✓ Projected minimum life span 30.000 cycles

3. Tilting & Weighing system (by cells) available

- ✓ Tilting can be in combination with the weighing system

4. Focus on ergonomics and design

- ✓ All 3 capacities with the same height of door, control, drain

5. Programmer

- ✓ Large 7" touch screen with integrated antenna for wireless communication
- ✓ Freely programmable

6. Drain

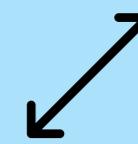
- ✓ Standard two drain valves (2x 3")

7. Cascade drum

- ✓ Standard for Primus brand (for the first time on mid-sized softmounts)



Top Benefits

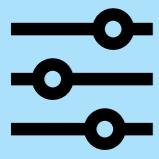


7“ screen

Large high-resolution screen



Touch & Swiping



Fully programmable

Full and easy customization of cycles



Wireless antenna

Allowing wireless connectivity to cloud-based management system



1000 nit

Very high brightness = perfectly readable



20 pre-set programs (memory 99)

Large memory to store extra custom cycles



High resistance

Passed tests for over 25 selected chemical substances



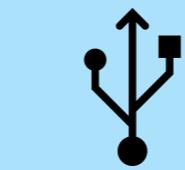
Screen saver mode

ECO mode for saving energy if the machine is idle



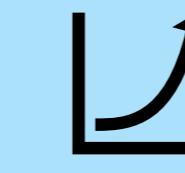
OTA updates

Over-the-air firmware updates alike on cell phones



USB, RS485 plugs

Plugs for manual updates or wired connection



Efficiency improving indicators



Ready-for-future platform

Launch Plan & Dates*

	2021						2022											
	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12		
„Button control“ version																		
„Touch control“ version																		
-- options: Tilting; Weighing																		
-- new additional software features																	TBD	

*Valid for CE, EAC approvals

For more information, contact with your Primus expert
or visit primuslaundry.com

* This is a non-binding and indicative tool made available to Alliance Laundry distributors for internal use only. Proprietary rights with regard to this tool belong to Alliance Laundry CE s.r.o. No guarantee can be given that its results are up-to-date and accurate, and it should therefore be used with particular circumspection. This tool should by no means be transmitted to any third party or otherwise made public. Please inform Alliance's Product Management team of any remark you have in respect of this tool.