

LAUNDROMAT 3.0



Speed Queen washers and dryers with Quantum Touch

Softmount and cabinet Hardmount, Dryers,
Quantum Touch Control and Speed Queen Insights

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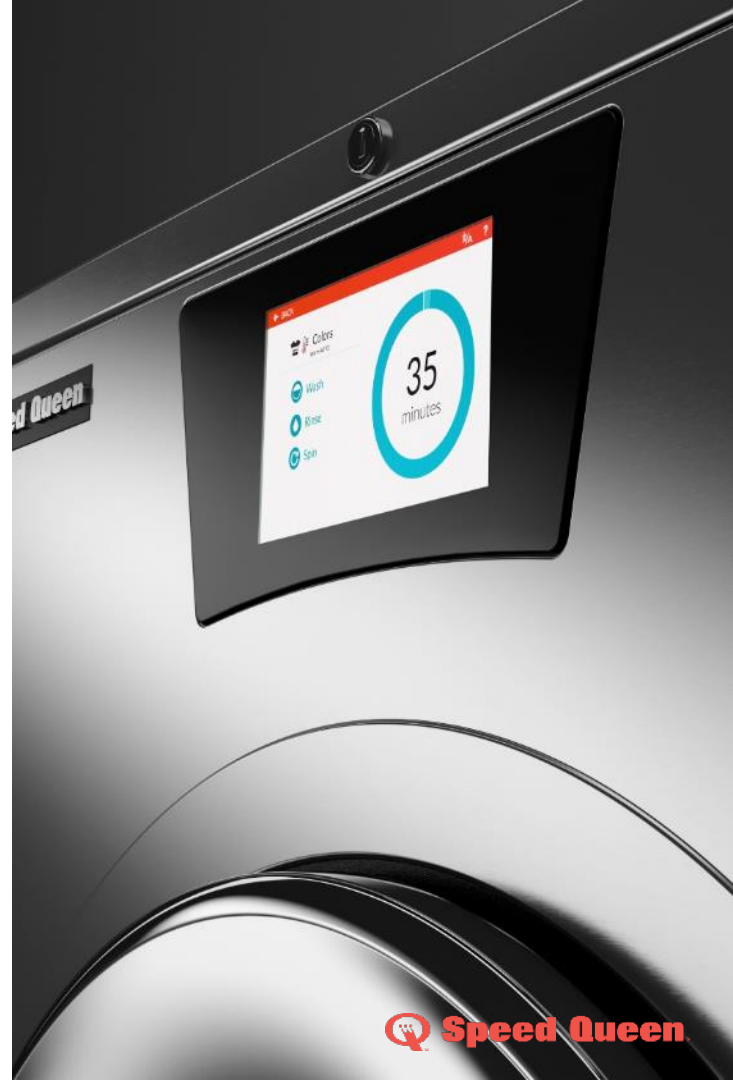
A woman with long dark hair, wearing a grey t-shirt, is smiling and folding a white towel on a counter in a laundry room. In the background, there are several rows of front-loading washing machines. The lighting is warm and focused on the woman. The text 'Quantum Touch Control' is overlaid on the right side of the image, with a vertical orange line to its left.

Quantum Touch
Control

QUANTUM TOUCH

Quantum Touch® Control

Features and concept



 Speed Queen

Why a new Control Platform?

- Speed Queen is at the forefront of Technology & Innovation and focuses on “excellence in User & Operator Guidance”
- Powerful & Common platforms of:
 - Hardware
 - Interfaces
 - Communication Mediaas a head start for future developments
- Invest in Brand Awareness & Strategy

Excellence in User & Operator Guidance

- Best in class Graphical User Interface (GUI)
 - High resolution screens allowing QR code functionality
 - Screen is easy to read from any angle, even in strong sunshine (1000 nits)
- Full overview of all data at a glance:
 - Large screens make it possible to have more text and graphic visuals
- Improved segment oriented features to make your business more profitable
- Real time awareness of what's happening:
 - Preventive service alerts for your technicians and keep downtime at a minimum
 - Set up new prices and promotional campaigns wherever you are
 - Get direct business information on your mobile device or computer

Uniformity

- Common “control platform” amongst products: Washers and Tumblers
 - Less complexity, only one control to master for Ripon made washers and tumblers
 - Increase your success-rate of problem solving during 1st service intervention
- Common “user interface” irrespective of production location: USA, CZ, CN
 - Comfortable for every user to operate each machine: Intuitive & self-learning
 - Encourages self-service customer to use all machines
- Common “communication” protocol for:
 - Infrared: no tools or dismantling needed → Fast and efficient “on site” programming
 - Wireless network: Machine monitoring without the need of routing extra cables
 - Management software: Have full track on maximizing performance parameters and set up optimal maintenance schemes

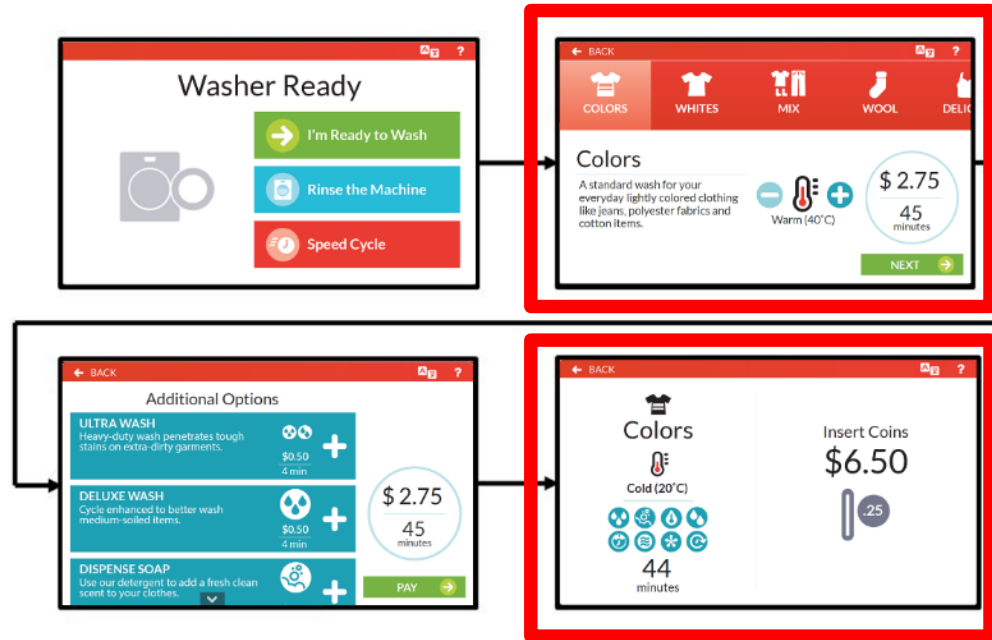
Invest in Brand Awareness & Strategy

- Premium aesthetic for optimal Brand recognition
 - Offers Fully integrated solutions across the product line
 - Easy to use & to learn
 - More staff efficiency
- Unique features for Speed Queen
 - Wash and Dry cycles ready to be used by customers
 - Freely programmable cycles can be adapted to your needs (liquid soap supplies)
 - Extra cycle modifiers to increase revenue
- Support the digital and mobile era:
 - Deliver fast & professional service based on accurate information (e.g. clear service messages: service alerts)
 - Offering of remote support & services from anywhere at any time: stay connected!
- The Quantum Touch offers a more profitable SOLUTION to today's store owner to stay ahead of the competition and meet the demands of today's laundry user

Value Proposition - Primary Machine User GUI Design Goal

Deliver the least amount of touches to start cycle

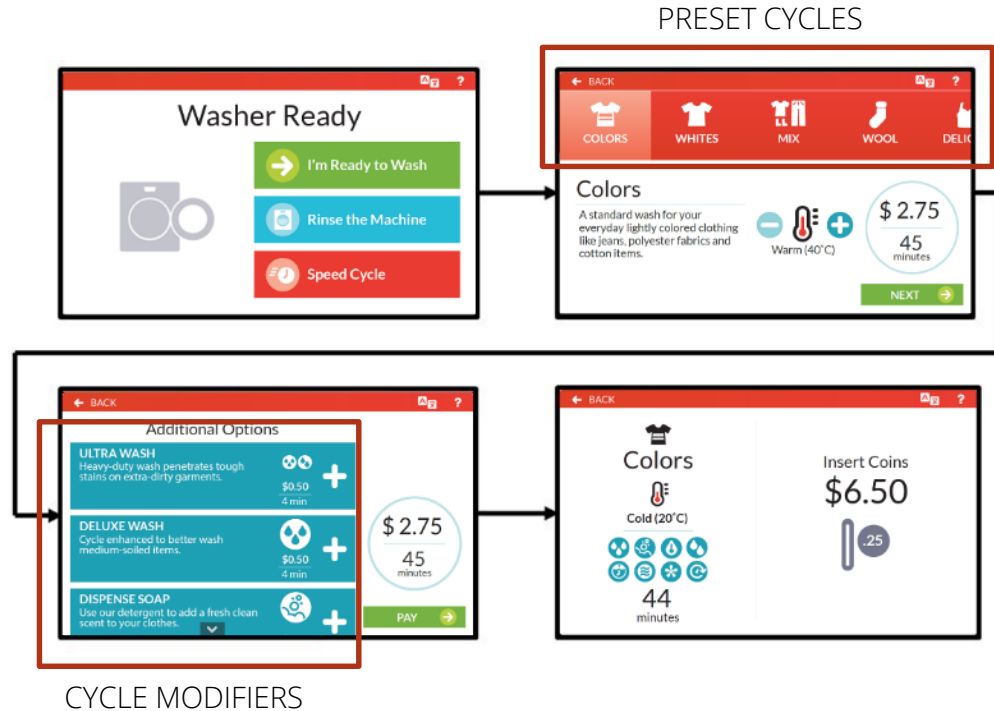
- **Result: 4 Basic Screens** in End User GUI workflow. Can be configured to **2 Basic Screens** (Cycle Selection and Payment Screen)
 - Approach Screen
 - Cycle Selection Screen
 - Upgrades Screen
 - Payment Screen
- Design iterated and vetted in various regions all over the world with End Users.



Value Proposition - Primary Investor GUI Design Goal

Deliver the most amount of upsell opportunities

- **Result: Configurable Preset Wash Cycles.**
Operator can turn on/off number of available cycles to End User from 1 to 15, along with ability to create pricing strategy at this level of control
- **Result: Configurable Cycle Wash Modifiers.**
Operator can turn on/off number of available modifiers to End User from 0 to 11, along with the ability to create pricing strategy at this level of control



Top Features for Machine Users

- Simple to use and visually enhanced:
 - 7" & 5" Colour IPS Capacitive Touch Display
 - User Selectable Language (max. 34)
 - Pocket Indicator
 - Operating Instructions are part of the control
- Flexible Payment Modes:
 - Coin
 - Card
 - Mobile
 - Bill
 - Kiosk
 - NFC* (3rd party)...
- Flexible Pricing and Customization of your cycle:
 - Modifiers on both the washer and tumbler

* Near-field communication (NFC) is a set of communication protocols that enable two electronic devices to establish communication by bringing them within 4cm of each other.

Top Features for Investors

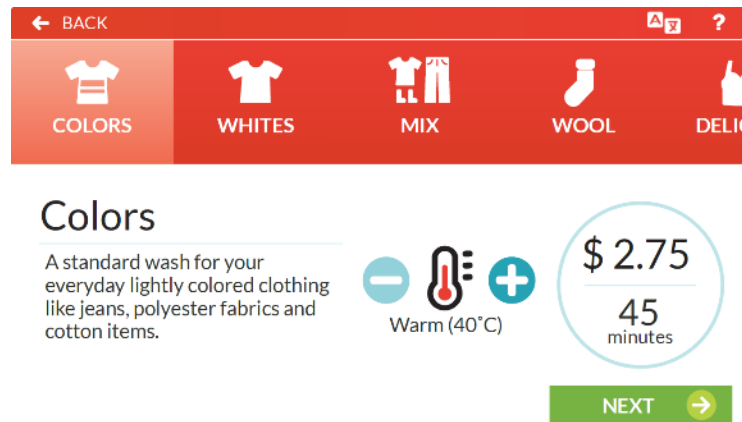
- **Up to date and Connected Equipment:**
 - Leading Unequaled Technology
 - Over The Air updates
 - Remotely reset / reboot machines
 - Mobile apps
 - Cloud Services
 - Break-in Alarm (US equipment only)
- **Simple to use and visually enhanced:**
 - 7" & 5" Colour IPS (In-Plane Switching) Capacitive Touch Display
 - User Selectable Language (max.34)
 - Pocket Indicator
 - Operating Instructions are part of the control
- **Flexible Pricing and extra Revenue:**
 - Modifiers prompts
 - Modifiers can be customized

Top Features for Distributors

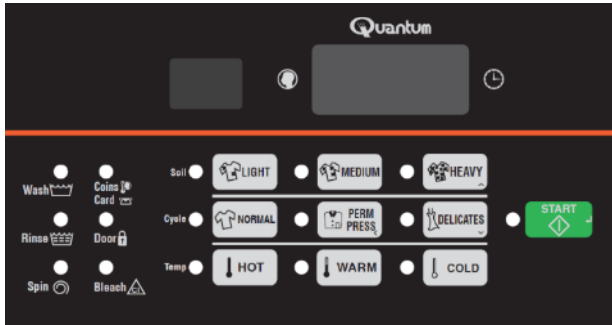
- **Up to date and Connected Equipment:**
 - Over The Air updates
 - Common Networking Interface for both washer and dryer machines
 - Cloud Services
 - Break-in Alarm
 - Error Messages sent by e-mail or text
- **Easy to Install, Set up and Service:**
 - 7" & 5" Colour IPS Capacitive Touch Display
 - User Selectable Language (max.34)
 - Infrared (only Ripon made machines)
 - Wireless
 - Serial Payment System Open Architecture
- **Less Service need and better informed during Servicing:**
 - Inverter Drives on Tumblers
 - Auto Flush (only Ripon made machines)
 - Audit Data retained with Control Replacement (Ripon machines only)

Quantum Touch Control Specs

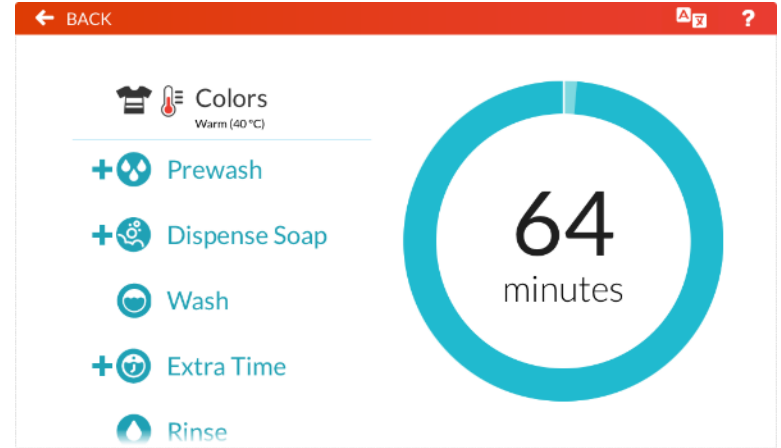
Control Size	7" diagonal	5" diagonal
Resolution	1024 x 600	800 x 480
Luminance	1000 cd/m2 (readable in sun light)	
Colors	+16 million colors	
Display Technology	180° viewing angle	
Touch Technology	Capacitive (like all smartphones)	
Communication	IRDA,WiFi and Serial Payment (Alliance Proprietary)	



Quantum Gold vs Quantum Touch

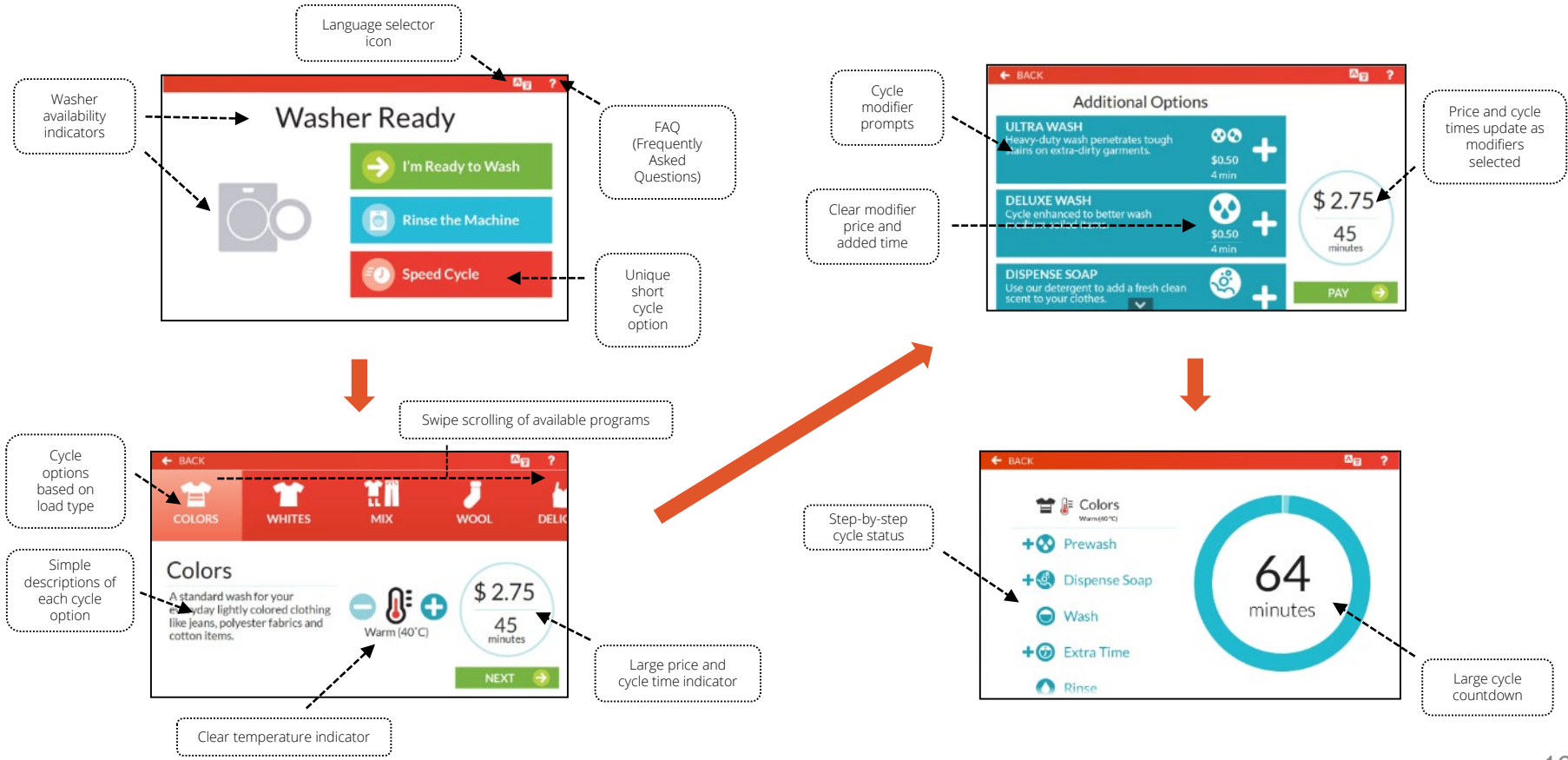


Current SQ Quantum Gold



SQ Quantum Touch

Quantum Touch – Simple Navigation



QUANTUM TOUCH

Quantum Touch® Control

Features and benefits: Washers



 Speed Queen

F & B: Approach Screen



★ FEATURE

- Customizable approach screen

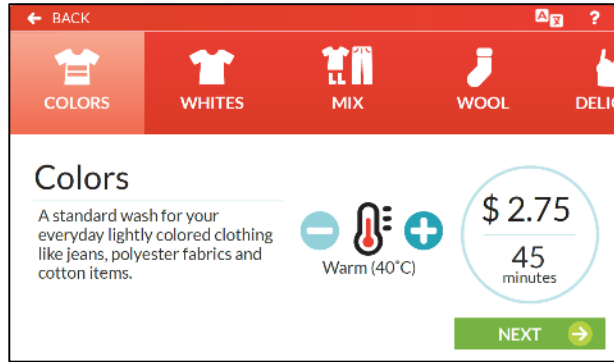
+ ADVANTAGE

- Customize to your needs:
- Disable/Enable "Rinse the Machine"
- Disable/Enable "Speed Cycle"
- Disable/Enable the "Approach Screen"

|| BENEFIT

- Make the control suit your needs

F & B: Cycle Selection Screen



★ FEATURE

- Swipeable Cycle Selection Tile
- Cycle Name and Description in language of choice
- Modifiable Temperature

+ ADVANTAGE

- Mobile Well-known Interface
- You are informed about what you should use each Cycle for in any common Language
- Customize the Temperature to Your Needs and Price Accordingly

|| BENEFIT

- Confidence in your Selected Cycle and Machine
- No need to Stress that you made an incorrect Selection
- Extra Revenue due to Temperature Selection

F & B: Wash Upgrades Screen (1/2)



★ FEATURE

- Swipeable Cycle Selection Tile (Up ←→ Down)
- Modifier Name and Description in language of choice

+ ADVANTAGE

- Mobile Well-known Interface
- You are informed about what each Modifier has to Offer you
- Customize your Cycle to your needs

|| BENEFIT

- Confidence in your Selected Cycle and Machine
- No need to Stress that you made an incorrect Selection
- Extra Revenue due to the Wash Upgrades

F & B: Wash Upgrades Screen (2/2)



★ FEATURE

- Number and Content of Modifiers can Customized
- Bundle Modifiers and à la Carte Modifiers (NEW)

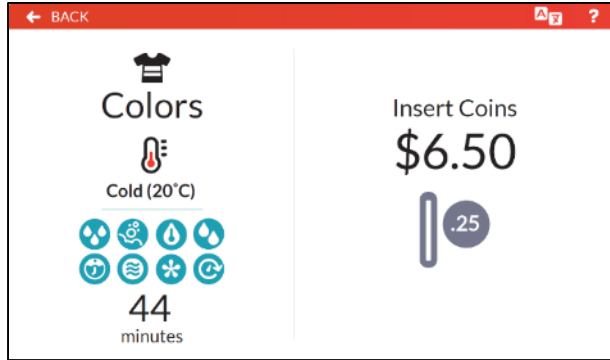
+ ADVANTAGE

- Customize the Modifiers to meet your Business Plan
- Optimize Revenue

|| BENEFIT

- Meet your Needs & reach your Goals

F & B: Wash Payment (1/3)



★ FEATURE

- Applicable Mode of Payment is Displayed
- Reconfirmation of the Selected Modifiers and Cycle

+ ADVANTAGE

- Applicable Currency and Denomination is Displayed
- Reconfirmation of Your Selection

|| BENEFIT

- Feel Confident by the Feedback provided

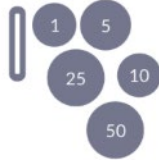
F & B: Wash Payment (2/3)

Payment Due
\$2.75

Insert Coins
\$1.75



Insert Coins
\$6.50



Insert Coins
\$6.50



Insert Bills
\$6.50



Insert Card
\$6.50



Use Mobile To Pay
\$6.50



Pay #10 Washer
At Kiosk
\$6.75



★ FEATURE

- Multiple Payment Methods

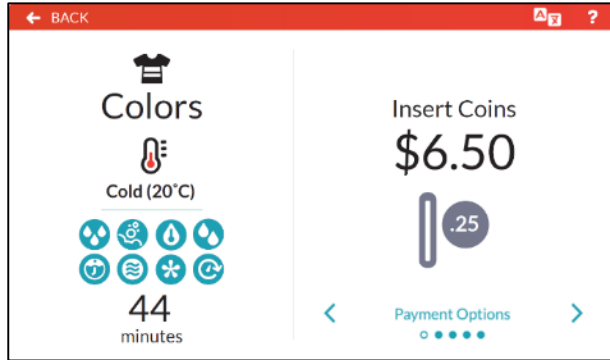
+ ADVANTAGE

- Customizable to your needs

|| BENEFIT

- Flexible Machine interface adapting to your needs

F & B: Wash Payment (3/3)



★ FEATURE

- Swipeable Payment Options

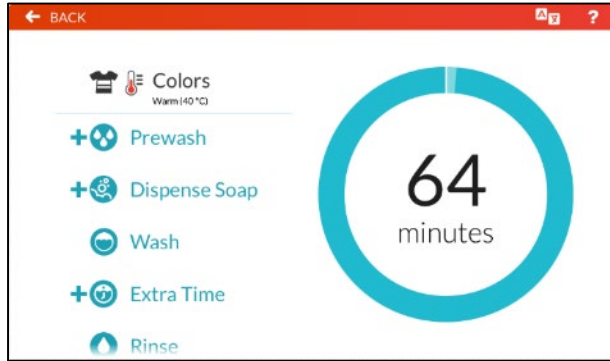
+ ADVANTAGE

- Provide Multiple Payment Options

|| BENEFIT

- Meet your business needs
- Support all Demographics (Senior Citizens, Medior Citizens and Millenials)

F & B: Wash Running



★ FEATURE

- Future and Past Steps fade in & out
- Selected Wash Upgrades are displayed
- Remaining Time is Shown

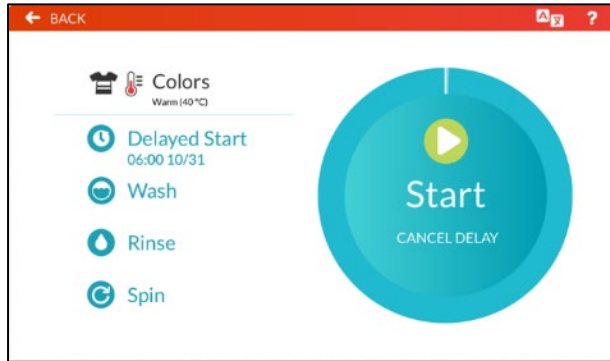
+ ADVANTAGE

- Reconfirmation of Your Selection
- Large Indicator of Remaining Time

|| BENEFIT

- Feel Confident by the Feedback provided
- You are informed about what the machine is doing at every moment in the cycle

F & B: Delayed Start (OPL Mode)



★ FEATURE

- Set a Delayed Start to start at a Specific Time and Day

+ ADVANTAGE

- No need for Calculating the delay yourself
- Use the machine at off-peak hours

▮ BENEFIT

- Ease of use and Peace of Mind
- Save money during off-peak hours

F & B: Cycle Complete



★ FEATURE

- Cycle complete indication and animation informing the user to open the door

+ ADVANTAGE

- Users are informed in their selected language to take out their laundry

|| BENEFIT

- Clear messaging

F & B: Wash Complete Timer



★ FEATURE

- Wash Complete Count Up Timer

+ ADVANTAGE

- Informs about how long the Machine has completed the cycle
- Users are more likely to take out the linen and put in theirs

|| BENEFIT

- Improved productivity & revenue

F & B: Notification Errors



★ FEATURE

- A subtle indicator on top of the screen notifies about non-fatal errors

+ ADVANTAGE

- Informed users know something is wrong or needs checking, regular users can keep on using the machine

|| BENEFIT

- Machine can keep on being used and be productive

QUANTUM TOUCH

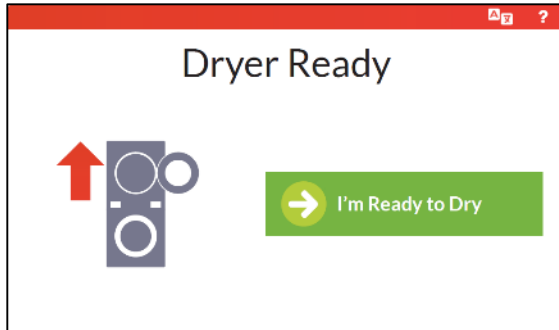
Quantum Touch® Control

Features and benefits: Tumblers



 Speed Queen

F & B: Pocket Indicator



★ FEATURE

- Pocket Indicator Animation displayed on the screen

+ ADVANTAGE

- Clear indication of what pocket relates to which control on stack machines
- No more need for sticking arrows indicating the correct pocket on the machine

|| BENEFIT

- Customers feel more relaxed & confident when choosing a tumbler to start
- Nicer looking laundromat

F & B: Cycle Selection Screen



★ FEATURE

- Swipeable Cycle Selection Tile
- Cycle Name and Description in language of choice
- Modifiable Time

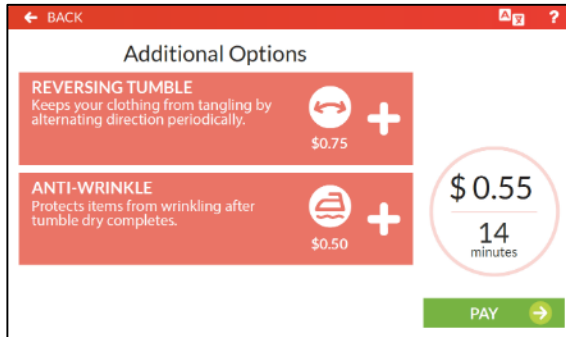
+ ADVANTAGE

- Mobile Well-known Interface
- You are informed about what you should use each Cycle for in any common Language
- Customize the Time to Your Needs and Price Accordingly

|| BENEFIT

- Confidence in your Selected Cycle and Machine
- No need to Stress that you made an incorrect Selection
- Extra Revenue due to easy Time Selection

F & B: Dry Upgrades Screen (1/2)



★ FEATURE

- Swipeable Cycle Selection Tile (Up ↔ Down)
- Modifier Name and Description in language of choice

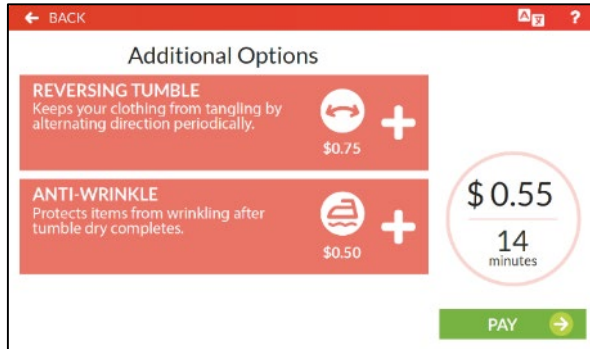
+ ADVANTAGE

- Mobile Well-known Interface
- You are informed about what each Modifier has to Offer you
- Customize your Cycle to your needs

|| BENEFIT

- Confidence in your Selected Cycle and Machine
- No need to Stress that you made an incorrect Selection
- Extra Revenue due to the Wash Upgrades

F & B: Dry Upgrades Screen (2/2)



★ FEATURE

- Number of Modifiers can Customized
- A la Carte Modifiers

+ ADVANTAGE

- Customize the Modifiers to meet your Business Plan
- Optimize Revenue

|| BENEFIT

- Meet your Needs & reach your Goals

F & B: Dry Payment



★ FEATURE

- Applicable Mode of Payment is Displayed
- Reconfirmation of the Selected Modifiers and Cycle

+ ADVANTAGE

- Applicable Currency and Denomination is Displayed
- Reconfirmation of Your Selection

|| BENEFIT

- Feel Confident by the Feedback provided

F & B: Dry Running



★ FEATURE

- Future and Past Steps fade in & out
- Selected Dry Upgrades are displayed
- Remaining Time is Shown

+ ADVANTAGE

- Reconfirmation of Your Selection
- Large Indicator of Remaining Time
- Time can be added when the Cycle is Running

|| BENEFIT

- Feel Confident by the Feedback provided
- You are informed about what the machine is doing at every moment in the cycle
- Extra Time (Revenue) can easily be added

F & B: Burner Active Indicator



★ FEATURE

- Burner Active Indicator will pop up when ever the Heating is Activated

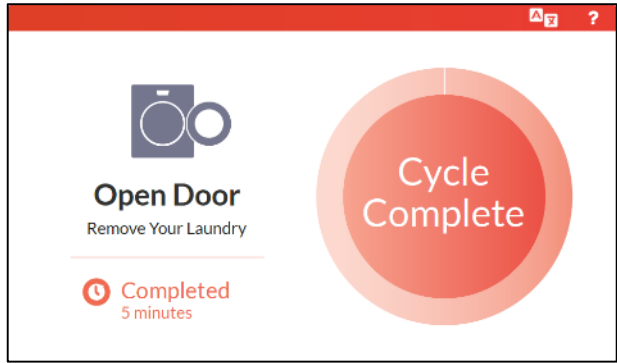
+ ADVANTAGE

- Meet local Legislations
- Usefull Feedback for Users, Owners and Technicians

|| BENEFIT

- Feel Confident by the Feedback provided
- You are informed about what the machine is doing at every moment in the cycle

F & B: Dry Complete Timer



★ FEATURE

- Dry Complete Timer

+ ADVANTAGE

- Informs about how long the Machine has completed the cycle
- Users are more likely to take out the linen and put in theirs

▮ BENEFIT

- Improved productivity & revenue

F & B: Anti-Wrinkle Running



★ FEATURE

- Anti-Wrinkle Running

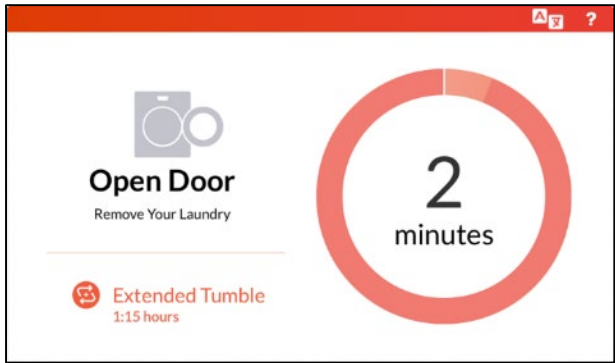
+ ADVANTAGE

- Rotates the linen at regular 2 minute intervals for 30 seconds
- Avoids wrinkles

|| BENEFIT

- Extra revenue for the owner
- Less ironing to do for the customer

F & B: Extended Tumble



★ FEATURE

- Extended Tumble

+ ADVANTAGE

- Keeps the drum rotating at regular intervals after the cycle has completed

▮ BENEFIT

- Lowers the risk of spontaneous Combustion

F & B: Lucky Cycle - Award Animation



★ FEATURE

- Award a Lucky Cycle every X cycles

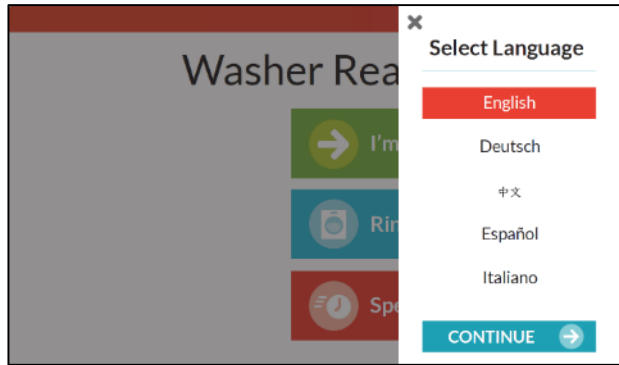
+ ADVANTAGE

- Customer Loyalty
- Create a buzz
- Mouth To Mouth advertising of this unique Feature in your Laundromat

|| BENEFIT

- Make Someone's day
- Create a Loyal Customer Base

F & B: Alternate Languages



★ FEATURE

- End-User can Change the Languages to suit their needs
- Max 34 Languages

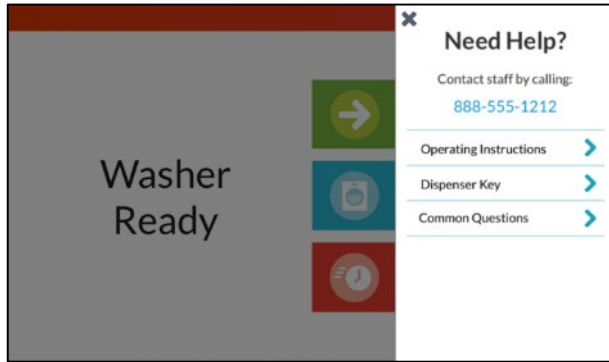
+ ADVANTAGE

- Customer Loyalty
- Adaptable to Regional Demographics

|| BENEFIT

- Confidence
- Less calls to laundromat Owners
- Less Customers giving up on the Machine

F & B: Basic Help



★ FEATURE

- Help Available by the Touch of a Button
- Customizable to your Needs

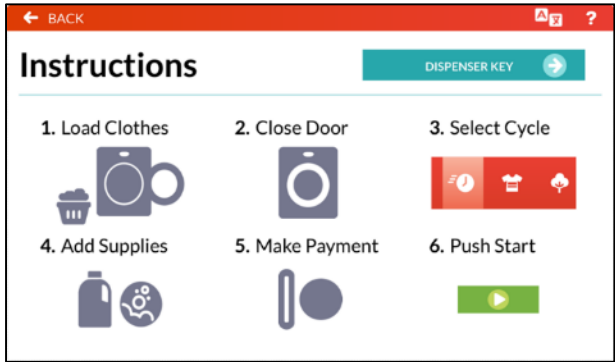
+ ADVANTAGE

- Customer Loyalty
- Adaptable to Regional Demographics
- Access to the Dispenser Key

|| BENEFIT

- Confidence
- Less calls to laundromat Owners
- Less Customers giving up on the Machine

F & B: Instructions



★ FEATURE

- Help Available by the Touch of a Button
- Customizable to your Needs

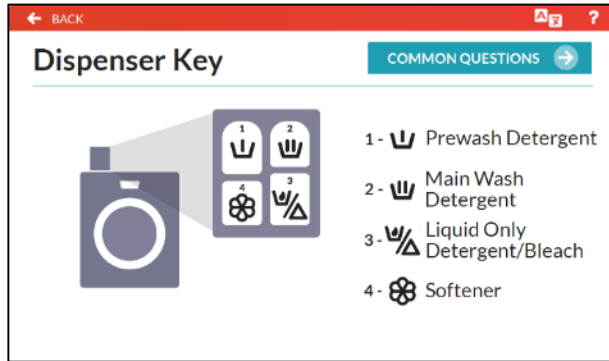
+ ADVANTAGE

- Customer Loyalty
- Adaptable to Regional Demographics
- Access to the Dispenser Key

|| BENEFIT

- Confidence
- Less calls to laundromat Owners
- Less Customers giving up on the Machine

F & B: Dispenser key



★ FEATURE

- Help Available by the Touch of a Button
- Customizable to your Needs

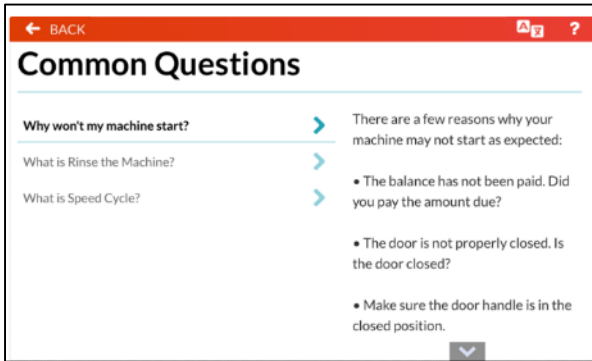
+ ADVANTAGE

- Customer Loyalty
- Adaptable to Regional Demographics
- Access to the Dispenser Key

|| BENEFIT

- Confidence
- Less calls to laundromat Owners
- Less Customers giving up on the Machine

F & B: Common Questions



★ FEATURE

- Help Available by the Touch of a Button
- Customizable to your Needs

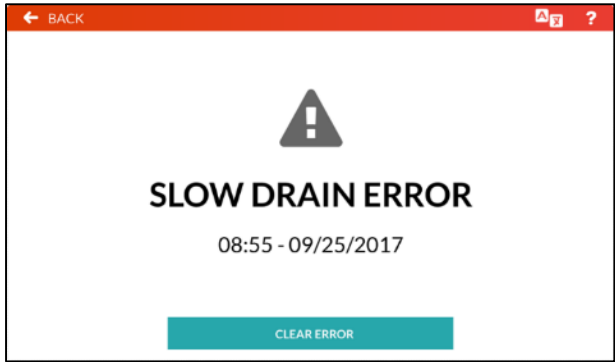
+ ADVANTAGE

- Customer Loyalty
- Adaptable to Regional Demographics
- Access to the Dispenser Key

|| BENEFIT

- Confidence
- Less calls to laundromat Owners
- Less Customers giving up on the Machine

F & B: Error Display



★ FEATURE

- Full Text Error Messages
- Time and Datestamp

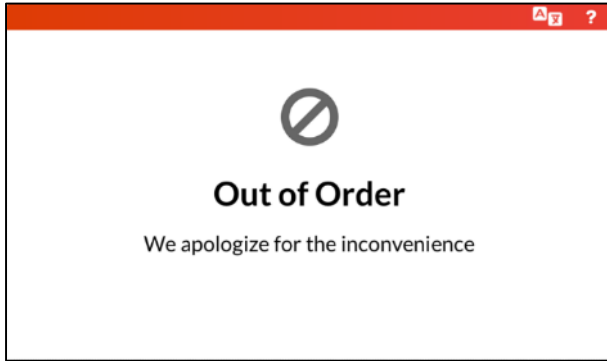
+ ADVANTAGE

- No need to Decypher Abbreviations
- Traceable to the moment when it happend

▮ BENEFIT

- Confidence
- Improved Use of your Time

F & B: Out of Order



★ FEATURE

- Out of Order Message on the screen

+ ADVANTAGE

- No need for Attaching post-its on the Machine
- Clean Laundromat
- Can be set remotely

|| BENEFIT

- Improved Use of your and the users' Time
- Less calls to laundromat Owners
- Clear Indication not to use the Machine

QUANTUM TOUCH

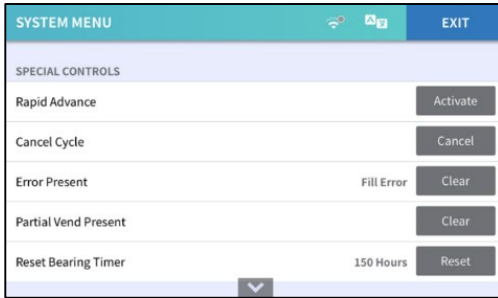
Quantum Touch® Control

**Features and benefits:
Manual Programming**



 **Speed Queen**

F & B: Full Text Menus



Quantum Touch

VS



Quantum Gold

★ FEATURE

- Full Text Displayed in Manual Programming, no more cryptic abbreviations

+ ADVANTAGE

- No manual needed to understand what each menu and content is about

|| BENEFIT

- Faster and more efficient Manual Programming

F & B: Time of Day Pricing (incl. Modifiers)

The screenshot shows a mobile application interface for configuring a 'SPECIAL VEND 1'. The interface is divided into several sections:

- Days Enabled:** A numeric input field set to '3'.
- ACTIVE TIMES:** A section header for time-related settings.
- Start Time:** A time selection field set to '10:30'.
- Length:** A numeric input field set to '5', with 'Hours' written below it.
- ACTIVE DATES:** A section header for date-related settings.
- Limited Dates:** A toggle switch currently turned off.

At the top of the screen, there is a teal header with a back arrow, the text 'SPECIAL VEND 1', and an 'EXIT' button. There are also icons for Wi-Fi, a camera, and a notification bell.

★ FEATURE

- Time of Day Pricing (incl. Modifiers)

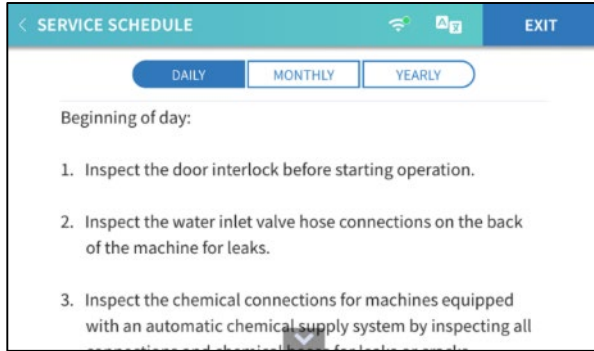
+ ADVANTAGE

- Program different Prices for Cycles and Modifiers based on the Time of Day

|| BENEFIT

- Streamline your business and boost sales even when business is slow

F & B: Service Schedule



★ FEATURE

- The control contains all service schedules to maintain the machines in good working order

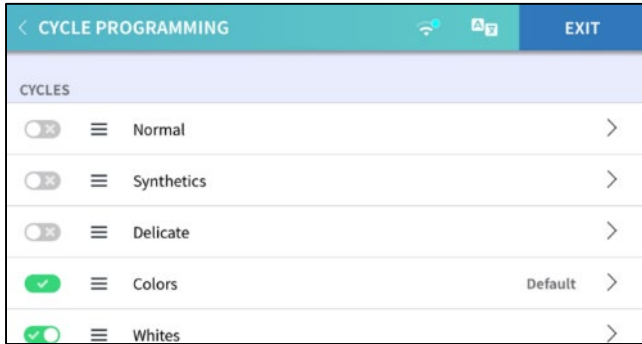
+ ADVANTAGE

- No need to search for the correct maintenance schedule, it's part of the control

|| BENEFIT

- Everything is close at hand, no need to look for paper or digital manuals

F & B: Full Cycle Programming



★ FEATURE

- All Settings can be changed through the Manual Programming

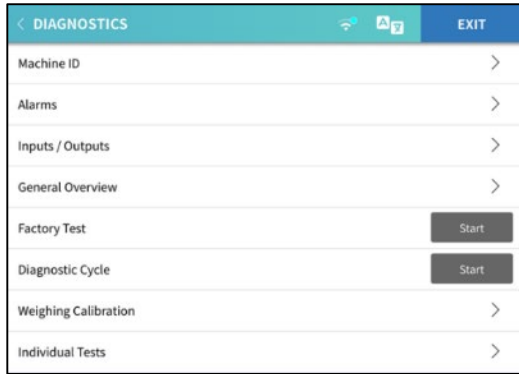
+ ADVANTAGE

- Even when you have no access to a PC or Mobile, you can still make changes to your machine

▮ BENEFIT

- No time loss, get straight to action

F & B: Improved Diagnostics



★ FEATURE

- Improved Diagnostics

+ ADVANTAGE

- A complete menu dedicated to providing tools and data in order to improve service

▮ BENEFIT

- Less time wasted on fixing these machines

F & B: Improved Inputs/Outputs Menu

INPUTS / OUTPUTS			EXIT
Clear All			Run
Door (DR)	Door Lock (DL)	Low Level Pressure Switch	
Frame Balance Switch	Jog	Input 1	
Auxiliary Input A	Auxiliary Input B	Auxiliary Input C	
Auxiliary Input D	Auxiliary Input	Access Panel	
Comm A Present	Comm B Present	Proximity Sensor	
Temperature: 74 °F			Level: 0
			Speed: 0 RPM

★ FEATURE

- Improved Inputs/Outputs Menu

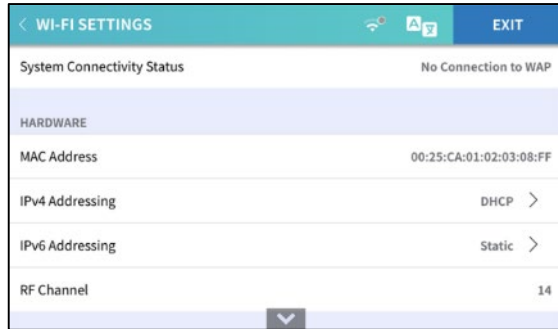
+ ADVANTAGE

- Check Analog and Digital Input & Output States
- Manually activate Outputs
- Full text, no Abbreviations

|| BENEFIT

- Directly test the components which you believe are suspect to being faulty
- Focused on Service

F & B: Futureproof Networking



★ FEATURE

- Futureproof Networking

+ ADVANTAGE

- Our controls are equipped with the technology that makes them future proof:
- IPv4
- IPv6

▮ BENEFIT

- No need to reinvest

QUANTUM TOUCH

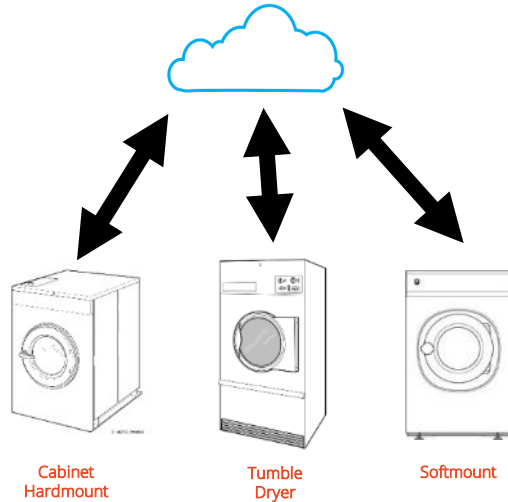
Quantum Touch® Control

**Features and benefits:
Communication**



 **Speed Queen**

F & B: Common Networking Interface



★ FEATURE

- Common Networking: Using the Cloud interface all machines can be networked, either Ripon or Czech made

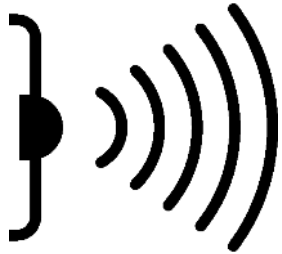
+ ADVANTAGE

- All machines can be networked using the same technology, while with older controls this is not possible

|| BENEFIT

- Networking is open to all Speed Queen Designer and control as Quantum Touch machines
- Visibility
- Programmability

F & B: Infrared communication



★ FEATURE

- Legacy Infrared protocols expanded

+ ADVANTAGE

- Use current IR equipment to program & audit all product platforms (only Ripon made machines)

▮ BENEFIT

- Create new and improved after sales support opportunities, providing comfort and security to customers
- Provides service technicians key information to diagnose and correct problems with speed & accuracy
- One and done!

F & B: USB Connection



★ FEATURE

- Connect to your machine via Flash drive (CZ machines only)

+ ADVANTAGE

- USB is a standard
- Transmits wash data and collects wash parameters from machine

|| BENEFIT

- Allows quick and easy two way communications with laundry equipment

F & B: Cloud services



★ FEATURE

- Quantum Touch Controls can be connected to the Cloud and benefit from all the benefits of Speed Queen Insights

+ ADVANTAGE

- Easy to set up
- Check on your machines where ever you are located
- Machine programming and business management - all in one place
- Deliver the best possible experience for the end user

|| BENEFIT

- Be more performing, with less effort

F & B: Break-in Alarm



★ FEATURE

- Break-in Alarm triggered when illegal opening of the coinbox occurs

+ ADVANTAGE

- Triggers an alarm inside the laundromat or sends text/e-mail notifications

|| BENEFIT

- Peace of mind
- No tampering with your income

QUANTUM TOUCH

Quantum Touch® Control

**Features and benefits:
FAQ**



 **Speed Queen**

FAQ

- Won't touchscreens get damaged easily?

All Quantum Touch Controls have a protective plastic layer (IML) in front of the display to protect the display itself, a bit like a protective cover for a smart phone. This IML provides scratch and shock resistance to protect the actual touch screen.

FAQ

- Will the protective plastic layer yellow over time?

Due to the nature of plastic, almost all clear plastic will yellow or discolour overtime when exposed to natural or incandescent light. Some plastics are worse than others and we knew this going in so we were very selective on the material we chose in the very beginning. Since the IML also has a decorated film moulded into it, that helps us protect the plastic even more. We had very little discoloration when we tested the plastic by itself and then we noticed that the yellowing decreased with the film added in over the life of our testing process with an exposure to UV and CWF @ 60°C.

FAQ

- What tests/standards does ALS have for the scratch resistance on the protective plastic layer?

The scratch standards for the IML are the same as we have today on the overlays which utilize the standard 2H hardness test. The largest difference with these IML's is that we have a high gloss black surface, versus the overlays we utilize today have a textured dull surface. These IML's will hold up to standard use without scratching. With the display screen set to such a high brightness, that helps reduce any small surface scratches that the end user will notice. Same as a cell phone, when it is off you may see some small scratches but when it is powered on, you do not notice them.

FAQ

- Can I keep on using my old card readers?

If your current card readers use the pulse interface, yes.

If your current card readers use the serial interface, the software of the card readers will need updating or you need to replace them by new updated ones, after that you are all set.

ALS Engineering is contacting registered card reader companies with an updated spec of the card reader protocol.

FAQ

- Will I still be able to use the same size coin boxes on stack tumblers?

Yes, the coin boxes remain the same as the ones currently used.

FAQ

- What Payment Options allow Top-Off?

Will Top-off work via Coin? Yes

Will Top-off work via Pulse? Yes

Will Top-off work via Network Vend? Yes, it will work via Speed Queen Insights

Will Top-Off work via Card? Yes

FAQ

- What 34 Languages are available?

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

FAQ

- Can I use a mix of Quantum Gold and Quantum Touch to be connected to Speed Queen Insights?

Yes, Speed Queen Insights is accessible from both of these control platforms.

FAQ

- Are Quantum Touch Controls delivered with Wi-Fi capability as standard?

Yes, all Quantum Touch Controls have a Wi-Fi Module as a part of the PCB. To enable networking to the cloud, you will need to have an ALS Gateway.

An ultra-premium customer experience starts with ultra-premium machinery.

- Touchscreen controls with an easy-to-use interface.
- Enhanced design to make doing laundry more convenient.
- Superior components and construction for machines that last longer and cost less to maintain.
- Contemporary aesthetic for a more premium retail experience.



Softmount SY with
Quantum Touch
features



SOFTMOUNT SY

Softmount SY with Quantum Touch features

Machine features



Summary of Innovations

IP44 protection:

New "waterproof" standard as higher delivered quality

Slidable top panel:

Specially designed for coin laundries where machines are built-in partitions for faster and easier access to the machine from top

Large coin vault:

Less visits for store managers to collect money

Quantum Touch control:

All new 7" touch screen with new features, languages and WiFi

Door handle:

Stylish door handle for better perception of opening and closing door

Chrome door:

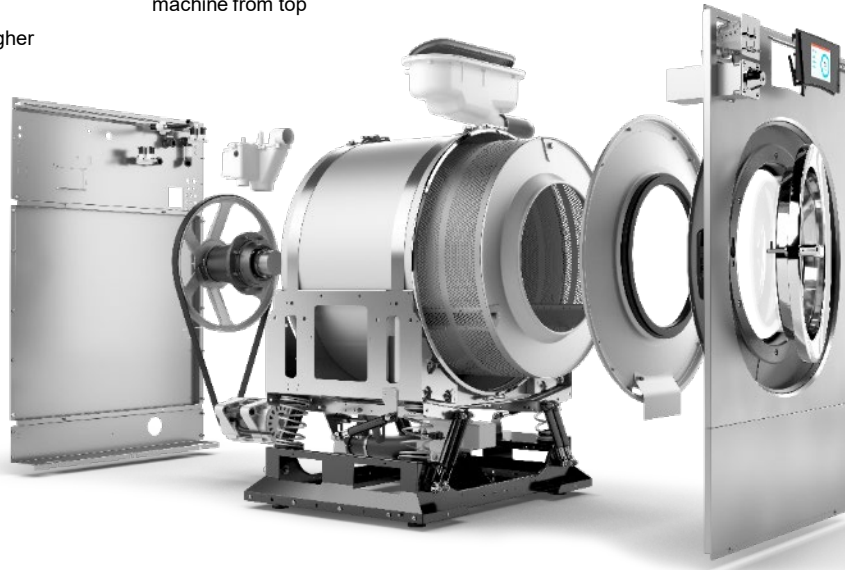
New attractive shape and finishing of door making the the machine premium look

Front panel:

- Much easier and faster mounting thanks to velcro fasteners
- Less vibrations & higher rigidity thanks to 2 front panels design

IEC approved components:

Higher level of safety ("class B")



Service panel:

Faster access to drain valve and transport brackets

First Look



Capacity

•6,5 – 7,5 – 10,5 – 13,5 – 18 – 24 – 28 kg

Actuation

•Vend (only)

Commercial name

•SY65-80-105-135-180-240-280

RVP

•VEND: March 4th, 2019 -> International market

Cabinet

- **Stainless steel cabinet as standard**
 - Attractive and long lasting design
 - Front panel newly from higher grade of stainless steel for better rust protection
- **Slidable top panel**
 - Easier and faster access to components located under top panel even if machine is built-in a wall
- **Front service panel**
 - Easier and faster access to shipping brackets, drain valve and unbalance switch => 10 sec faster than in previous version
- **Embossed side panels**
 - Higher rigidity and less vibrations)
- **IP44 protection as standard**
 - 4 Solid particle protection => effective against access to hazardous parts by solid foreign object > 1 mm
 - 4 Liquid ingress protection => protection against harmful ingress splashing water from any direction for 5/10min

FRONT PANELS	Stainless steel (AISI 304)
TOP PANEL	Stainless steel (AISI 304)
SIDE PANELS	Stainless steel (AISI 430)
ORNAMENTAL PLATE	Painted galvanized steel
REAR PANEL	Galvanized steel



Cabinet – Front Panel

- New combined system of tightening the front panel
- 4 screws and 3 positions with velcro fastener
 - Simple and fast mounting back the front panel if needed for service
- New separate „service“ panel
 - For easy and fast access to drain valve



Cabinet – Top panel

- Slidable (no longer tiltable)
 - Easier service access for machines build-in partition
- Option: Version without hole for soap hopper
 - Suitable for coin laundries with automatic liquid detergent supply system
 - No confusion with design & more sleek design



New system of „hinges“ on rear panel



Cabinet – Control Panel

- Can be tilted
 - Easy access to USB plug and for servicing main board
- Newly only central part is titlable
 - Compared to previous generation
- Tilttable part after front panel removal
 - Simple and fast procedure; undivided and sleek design
- No need to find holding cutouts



Door & Door Lock & Handle

- **New door shape**
 - Attractive and long lasting design
- **Chrome finishing of door and handle**
 - Shiny premium design
- **New door handle**
 - Innovated classical shape of handle suitable for users all around the world
- **New door lock system with proven quality from US machines**
 - Higher level of safety with built-in water level switch => prevents to unlock door if water is higher than 150mm
- **New closed door detection**



Door - Comparison

- Range of vend machines with biggest door opening
 - Bigger door opening => easier & faster loading / unloading



		SY65	SY80	SY105	SY135	SY180	SY240	SY280
Door opening diameter	(mm)	330	330	410	410	460	460	460
Electrolux		310	310	365	395	435	435	435
Girbau		n/a	322	n/a	327	426	426	n/a
Imesa		n/a	282	282	380	380	380	n/a
Miele		300	370	370	415	415	430	n/a
Onnera Group <i>(Fagor, Danube, Domus, Primer)</i>		373* <i>(semi-Ind. mach)</i>	373* <i>(semi-Ind. mach)</i>	290	373	373	373	n/a
Renzacci		n/a	325	325	325	420	420	n/a

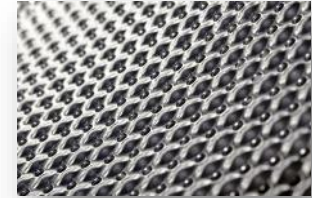
* Domus - Heavy Professional line

Drum

- New selection of drum type:
 - Standard shape – default
 - Special textured drum – option (patented)
 - + 4,8% ↑ perforated area => TBD % ↓ residual humidity



Standard shape



Special textured shape

- Stainless steel AISI 304

- Perforated baffles



		SY65	SY80	SY105	SY135	SY180	SY240	SY280
Volume	(l)	65	77,2	105	135	180	240	280
Capacity	(kg)	6,5	7,5	10,5	13,5	18	24	28
	(lbs)	15	18	25	30	40	55	65
Diameter	(mm)	530		620		750		
Depth	(mm)	305	350		450	410	545	620
Perforation	(mm)	3.5						

Heating

- Available versions:

- Boiler fed (0)
- Boiler fed with prep for steam (P)
- Direct steam (D)
- Electric heat (E)
- Dual heating (T)
- Electric heat with prep for steam (G)



Electric heating elements in front



Direct steam



Dual heat switch

- Available optional kW versions for electric heat

- Lower kW to meet max power input limitation
- Higher kW for faster heat-up time

Electric heat variants:

	Very low	Low	Standard	Higher	Special 1	Special 2	Special 3
SY65	3 kW	4,6 kW	6 kW	9 kW	--	7 kW	--
SY80	3 kW	4,6 kW	6 kW	9 kW	--	7 kW	--
SY105	3 kW	4,6 kW	9 kW	12 kW	6 kW	7 kW	--
SY135	3 kW	4,6 kW	12 kW	13,8 kW	6 kW	7 kW	9 kW
SY180	--	--	12 kW	18 kW	--	--	--
SY240	--	--	18 kW	--	--	--	--
SY280	--	--	21,9 kW	--	--	--	--

* Specials and Lows may not be available for all voltages

Motor & Inverter

- New motor with built-in over-heat protection
 - In series with the inverter relay => protects frequency converter by disconnection if exceeded temperature is detected
- Inverter controlled over „Class B“ in I/O module
 - Higher level of safety

		SY65	SY80	SY105	SY135	SY180	SY240	SY280	
Motor power	(kW)	0,75		1,1	1,5	2,2	3		
Wash speed	(rpm)	49				42			
Extraction speed	(rpm)	1165		1075		980		915	
G force	dB(A)	400							350
Noise – wash	dB(A)	52				55			
Noise – extraction	dB(A)	63	63,6	66,4	65				

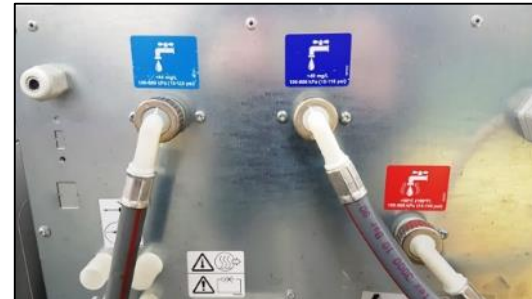
Water Inlets

- Standard:
 - 2x ¾" water inlets
 - Cold Normal
 - Hot Normal

- Option:
 - 3rd water inlet (¾" size)
 - Faster water fill = shorter wash cycle

- „High capacity ¾" water inlets
 - Increased max water flow = shorter wash cycle

	Regular water inlets	High capacity
SY180	Standard	Option
SY240	Standard	Option
SY280	Option	Standard



Optional connection of 3 water inlets

Dosing of Detergents

- **Manual (Powder):**

- Standard
- Soap hopper located in centered position of the top panel: perfect access for dosing of powder detergents
- 4 soap compartments - new updated design & material: embossed symbols on outer side; hardened material → for approval reasons

- **Automatic (Liquid detergents)**

- Option
- Liquid soap print as extension board located on the rear panel: easier installation of liquid soap pumps
- Up to 8 signals can be controlled
- Can be combined with top panel w/o soap hopper hole: full top panel for less confusions with automatic dosing in coin laundries; nice sleek design



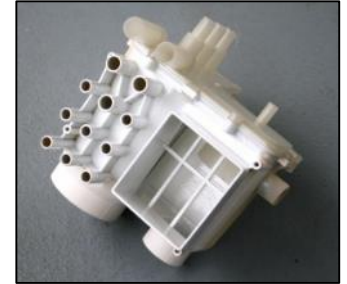
New material & new split design



Updated version of liquid soap print

Soap Mixer

- Standard
- Liquid soap pumps can be connected to the mixer on the rear panel
 - Max 8 pumps can be controlled for vend
- Chemicals are diluted before entering the tub
- 13 ports for liquid connections*
 - 2x Ø19mm
 - 3x Ø14,5mm
 - 8x Ø11,5mm



* Holes of the liquid soaps inlets must be drilled through

Actuation - Vend

- Available versions:

- Mechanical single coin meter → w/ or w/o coin vault
- Mechanical dual coin meter → w/ or w/o coin vault
- Electronic coin meter → w/ or w/o coin vault
- Central payment version
- Prep for coin meter
- Prep for card



- Large coin vault for all capacities

- Coin vault capacity up to \$150

- Coin vault without a frame

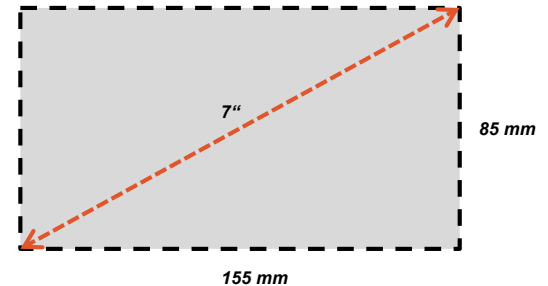
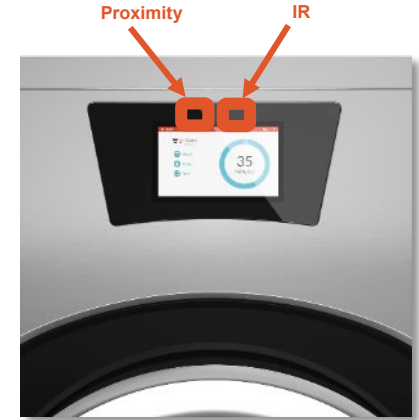
- Frameless design for premium product helps also reduce noise during extraction

- Over 80 different currency / token type coin meters available for order



Programmer

- All new control: Quantum Touch
- 7" touch screen fully programmable
- Simple selection of up to 34 languages
- Common networking interface
 - New control allows to connect different types of ALS machines fo complete laundromate overview
- Full connectivity
 - Wireless, USB, serial RS485
- Protective plastic layer to protect the display



Voltages

	Voltage	Frequency	Phase	Available for
	(V)	(Hz)		(L)
SY65-280	200-240	50/60	1	65 - 80 - 105 - 180 - 240 - 280
	200-240	50/60	3	65 - 80 - 105 - 180 - 240 - 280
	380-415 +N	50/60	3	65 - 80 - 105 - 180 - 240 - 280
	380-415	50/60	3	65 - 80 - 105 - 180 - 240 - 280
	440-480	50/60	3	65 - 80 - 105 - 180 - 240 - 280

Dimensions – Full Overview

Dimensions				
		Current Generation	Quantum Touch Generation	Difference
SY65	(mm)	1115 x 710 x 740	1135 x 710 x 730	+20 / 0 / -10
SY80	(mm)	1115 x 710 x 790	1135 x 710 x 780	+20 / 0 / -10
SY105	(mm)	1225 x 795 x 795	1245 x 795 x 785	+20 / 0 / -10
SY135	(mm)	1225 x 795 x 945	1245 x 795 x 935	+20 / 0 / -10
SY180	(mm)	1410 x 970 x 970	1430 x 970 x 960	+20 / 0 / -10
SY240	(mm)	1410 x 970 x 1105	1430 x 970 x 1095	+20 / 0 / -10
SY280	(mm)	1410 x 970 x 1185	1430 x 970 x 1175	+20 / 0 / -10

Net Weight				
		Current Generation	Quantum Touch Generation	Difference
SY65	(kg)	170	170	0
SY80	(kg)	185	185	0
SY105	(kg)	210	210	0
SY135	(kg)	255	255	0
SY180	(kg)	380	380	0
SY240	(kg)	430	430	0
SY280	(kg)	495	495	0

Packaging

Standard: **Film**



Option: **Wooden box**



Machines up to 135 L of capacity can be stacked in warehouse

Dimensions

- New generation is 20 mm taller
- Thanks to the new door handle are machines 10 mm narrower in max depth (cabinet remains the same)
- Other specs remain the same



Speed Queen Quantum Touch 2019

Speed Queen current generation

18 Digit MFG Code - Changes

„QED“ generation:

Position 1-6	Position 7	Position 8 - 12	Position 13	Position 14-16	Position 17-18
	CONTROL		DESIGN / PACKAGING / LIQUID SOAP PRINT		
	<i>A = QED</i>		<i>1 = Design 1 / Film crate (HT) / No Liquid Soap Print</i>		
	<i>D = QED Select</i>		<i>2 = Design 1 / Film crate (HT) / With Liquid Soap Print</i>		
			<i>3 = Design 1 / Wooden case (HT) / No Liquid Soap Print</i>		
			<i>4 = Design 1 / Wooden case (HT) / With Liquid Soap Print</i>		
			<i>5 = Design 2 / Film crate (HT) / No Liquid Soap Print</i>		
			<i>6 = Design 2 / Film crate (HT) / With Liquid Soap Print</i>		
			<i>7 = Design 2 / Wooden case (HT) / No Liquid Soap Print</i>		
			<i>8 = Design 2 / Wooden case (HT) / With Liquid Soap Print</i>		



„Quantum Touch“ generation:

Position 1-6	Position 7	Position 8 - 12	Position 13	Position 14-16	Position 17-18
	CONTROL		DESIGN / PACKAGING / LIQUID SOAP PRINT		
	<i>V = Quantum Touch</i>		<i>A = Speed Queen Designer and control as Quantum Touch machines / Film crate (HT) / No Liquid Soap Print</i>		<i>Brand new selections (FJ – FZ)</i>
			<i>B = Speed Queen Designer and control as Quantum Touch machines / Film crate (HT) / With Liquid Soap Print</i>		
			<i>C = Speed Queen Designer and control as Quantum Touch machines / Wooden case (HT) / No Liquid Soap Print</i>		
			<i>D = Speed Queen Designer and control as Quantum Touch machines / Wooden case (HT) / With Liquid Soap Print</i>		

SOFTMOUNT SY

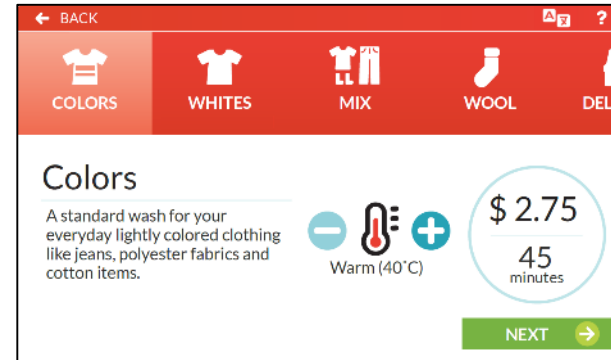
Softmount SY with Quantum Touch features

Control Highlights



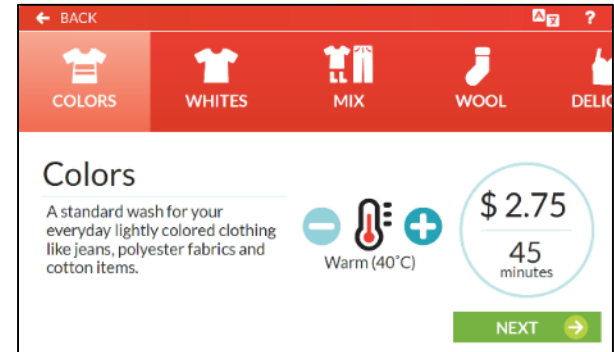
Quantum Touch Specs

Control Size	7" diagonal
Resolution	1024 x 600
Luminance	1000 cd/m2 (readable in sun light)
Colors	+16 million colors
Display Technology	180° viewing angle
Touch Technology	Capacitive (like all smartphones)
Communication	IRDA,WiFi and Serial Payment (Alliance Proprietary)



Control Highlights (1/3)

- 11 Basic Cycles + 1 custom made
- Temperature Selections:
 - 15°C – 90°C
- Flexible Pricing and extra Revenue:
 - 2 Bundle Modifiers
 - 9 A la Carte Modifiers
 - Time of Day Pricing
 - Lucky Cycle



Control Highlights (2/3)

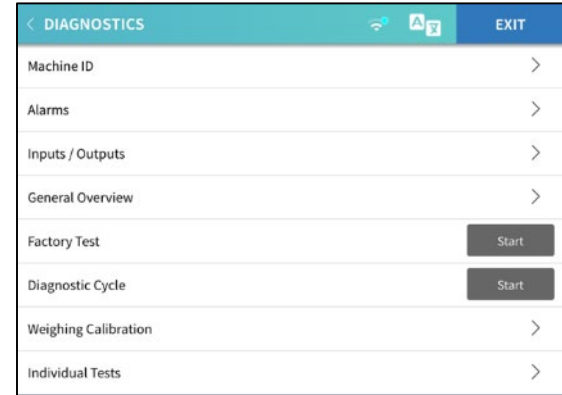
- **Userfriendly User Interface:**
 - User Selectable Language (34 available)
 - Operating Instructions are part of the control
- **Networkable and Easy to Program:**
 - Over The Air Updates
 - Speed Queen Insights
 - Quantum Vended Software
- **Flexible Payment Modes:**
 - Coin
 - Card
 - Mobile
 - Bill
 - Kiosk



Control Highlights (3/3)

- Full Text Manual Programming
- Improved Diagnostics:
 - Audit Data
 - Alarm history w/ Time and Date Stamps
 - Diagnostic Cycles
 - Individual Testing of Components
 - Input/Output Menu:
 - Digital & Analog Input & Output Monitoring
 - Manual Output Enabling

For more info see the [Quantum Touch Sales Guide](#)



Quantum Touch – Comparison: Softmount



	QED	QUANTUM TOUCH	FAGOR	ELECTROLUX	GIRBAU
Control Type	7 segment LED display 10 buttons	7" Capacitive touchscreen	4.3" touchscreen	Jog dial and 3.2" LCD display 2 buttons	7 segment LED display 10 buttons
Multicolor Graphic Display	X	✓	✓	X	X
Multilingual	X	34	37	22	12
Total Number of Cycles (Including modifiers)	15	50+	26+	55 (10-15 standard from factory)	X
Number of Cycle Modifiers	X	11	3	3	3
Pre-Clean	X	✓	X	X	X
Lucky Cycle	X	✓	X	✓	X
Time-of-Day Pricing	✓ (1 special vend price)	✓ (8 diff time sets)	✓	✓	✓
Vend Audit Data	✓	✓	✓	✓	✓
USB	✓	✓	✓	✓	X
Infrared Communication	X	X	X	X	X
Wired Communication	✓	✓	X	✓	✓
Wireless Communication	X	✓	X	X	X
Local Network	✓	X	X	✓	X
Cloud Network	X	✓	X	X	✓
Email/SMS Capable	✓	✓	X	✓	X
Diagnostic Program	✓	✓	✓	✓	✓
Service Audit Data	✓	✓	✓	✓	✓

Program Library

- 11 all new programs created on many years of experience from vend environment
 - Unique program library only to Speed Queen Quantum Touch Series
- 1 Custom cycle

Pos.	Program Name	Default Setting
#01	Colors 40°C	Pr-wash: -- Rinses: 2x
#02	Whites 60°C	Pr-wash: -- Rinses: 2x
#03	Mix 30°C	Pr-wash: -- Rinses: 2x
#04	Woolens 15°C	Pr-wash: -- Rinses: 2x
#05	Delicates 30°C	Pr-wash: -- Rinses: 2x
#06	Bedding 60°C	Pr-wash: -- Rinses: 3x
#07	Hot Wash 90°C	Pr-wash: -- Rinses: 2x
#08	Warm Wash 60°C	Pr-wash: -- Rinses: 2x
#09	Cotton 60°C	Pr-wash: -- Rinses: 2x
#10	High Spin Speed	Pr-wash: -- Rinses: 1x
#11	Pre-clean	Pr-wash: -- Rinses: 1x
#12	„Custom Cycle“	

<- n/a for CE+ROHS China execution

(Position #12 is fully programmable. Other positions have enabled programming of cycle but program name can't be changed due to stored translations to 34 languages)

Communication - overview

- **Wireless**

- Wi-Fi module as standard part of the PCB to enable wireless networking to cloud - ALS Gateway needed

- **USB**

- For software updates and for loading & saving programs

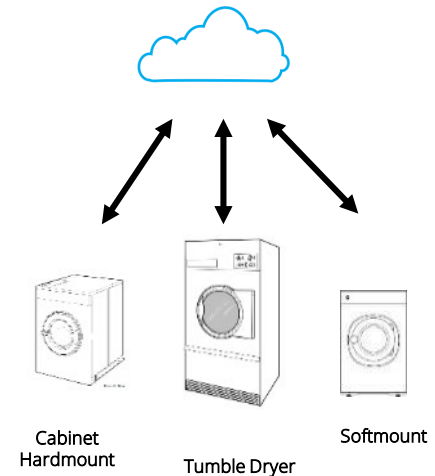
- **RS485**

- Cable connection to LMS – Laundry Management System

- **Infraport***

- For programming and audit
- Disabled for CZ machines

* Will be enabled by software update later



Communication - location

USB:



Under top panel from the front

Wireless:



On the main board

RS485:



On the rear panel



SOFTMOUNT SY

Softmount SY with Quantum Touch features

Options and accessories



Option List

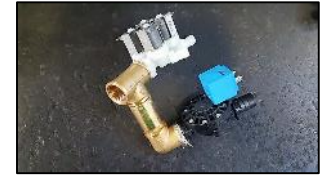


- 3rd water inlet

- For faster filling of water → reducing complete wash cycle time

- High volume water inlet

- For faster filling of water → reducing complete wash cycle time (only for 180-240-280 L)



- Liquid soap print

- Extension board on rear panel for connection and control of external design pumps

- Higher kW rating

- Faster heat up time => reducing complete was cycle time



- Automatic door opening (power failure)

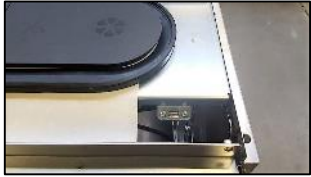
- In case of power failure, after 3 min will be door automatically unlocked

- Drain pump

- For installation where is not possible drainage by gravity (only for 65-80 L)



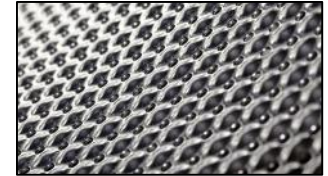
Option List



- USB & RS485 plug
 - USB plug with easier accessible location for even faster updating + RJ connection for connection with PC/laptop

- Special textured drum

- Patented shape of drum for higher mechanical action and lower residual humidity



- Top panel without hole for soap hopper

- No confusion for customers if machine has automatic liquid detergent dosing

- Integrated second drain valve (only SY280)

- Faster drainage = shorter wash cycle



- Water sample tap

- For easier water titration

Accessories



- Block plate for soap hopper compartment #1 or #3 (via Accessories)
 - Faster heat up time => reducing complete was cycle time



- Base Frame (via Accessories)
 - Increasing height of the machine for ergonomics reasons (height 135mm or 200mm)

SOFTMOUNT SY

Softmount SY with Quantum Touch features

Approvals



Approvals



n/a for RVP
(later)

- CE
 - CE logo on the serial plate
- Watermark
 - Extra: double safety valves as standard accessory
- CE + China ROHS
 - ROHS 15 symbol on machines
- CE + EAC
 - EAC logo on the serial plate
- Water approval
 - WRAS approved componets
- No certification
 - Without any logo of approvals



Approvals – WiFi Certification



- EEA (European Economic Area) countries:
 - European Union
 - Norway
 - Iceland
 - Lichtenstein
 - Turkey
 - Switzerland
- EAC countries:
 - Russia
 - Armenia
 - Belarus
 - Kazakhstan
 - Kyrgistan
- Australia
- China

Other countries could be added on request

SOFTMOUNT SY

Softmount SY with Quantum Touch features

Launch plan



 **Speed Queen**

Official Launch Plan

- “Soft & Safe Launch” (premium & selected countries/customers)
 - Accepted orders: February 1st, 2019
 - RVP (machines ready to export): March 4th, 2019
 - Selected countries: Belgium, Italy, Spain

- “Full Launch” (all customers)
 - Accepted orders: April 1st, 2019
 - RVP (machines ready to export): May 6th, 2019

Running Field Test



Madrid, Spain
(Calle Canarias 15)

- 2x SY80
- 1x SY135



Brescia, Italy
(Via Corsica 184/186)

- 3x SY80
- 2x SY135

Cabinet Hardmount SC with
Quantum Touch features



SC CABINET HARDMOUNT

Cabinet Hardmount SC with Quantum Touch features

Machine features



Available Capacities (lbs.)

- SC20
- SC30
- SC40
- SC60
- SC80
- SC100



Vend Features

- Single Drop, Dual Drop, Token, E-Drop, Prep for Coin
- Large capacity coin box openings 20-100 lb.
- **Benefits:**
 - Various and flexible vending options
 - Collect coins less frequently

Coin Box



7.9" deep x 3.5" wide x 3.2" tall

Vend Features

- Prep for Card, Central Payment
 - Hardware for adapting to various card reader mountings provided with each unit
 - Pulse and serial interface compatible
 - ALS protocol used by major vend companies
- Benefits:
 - Various and flexible vending options

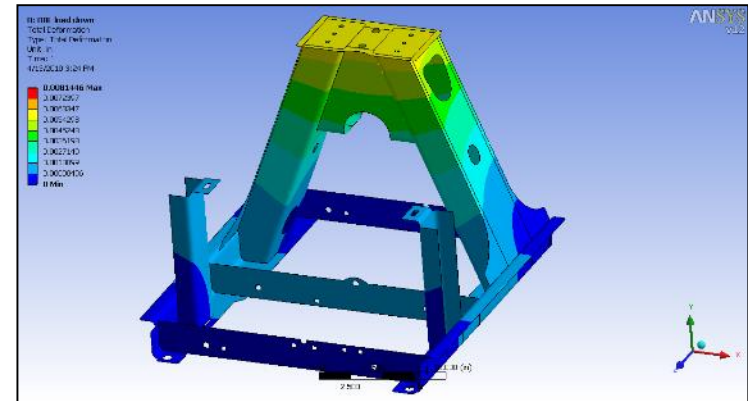
160°Door Opening

- Benefits:
 - Easy Load/Unload
 - Minimizes obstruction with adjacent machines
 - o Various and flexible vending options
 - o Collect coins less frequently

Durable, Precision Frame

- Computer aided design optimizes strength/weight
- Sheet steel - laser cut, formed, robotic welded
 - Tight tolerances, repeatable manufacturing process
- Benefits:
 - Reduced vibration >> increased life for all components
 - Quieter operation
 - Consistent installation

Finite Element Analysis



Bearing Housing Assembly

- One-piece cast bearing housing
- High quality press-fit bearings
- 7 layer seal protection
 - Excluder face seal plus two triple-lip seals
- Benefits:
 - Long life
 - 10 year warranty
 - Quiet operation



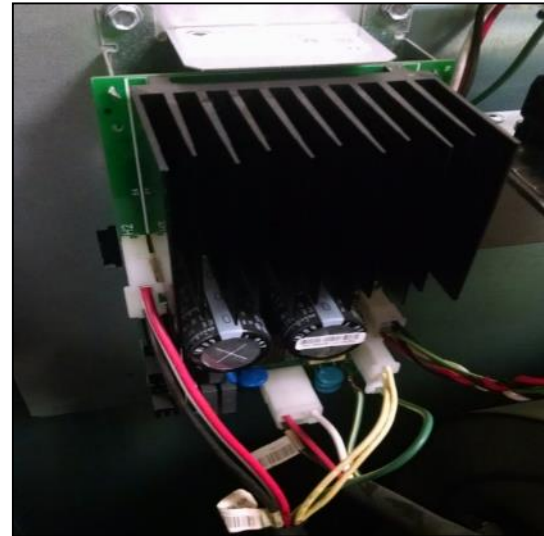
Motor and Belt

- Heavy duty variable speed motor provides smooth start and stop reducing drive system stress
- Automotive style belt provides longer life than old fashion V-belts
- **BENEFITS:**
 - Long life
 - Quiet operation



Proprietary Inverter Drive

- Less complicated than general purpose inverters
- Open, air-cooled design
- Power save mode reduces power consumption and increases inverter life
 - NOTE: A 10 second delay from start button press to cylinder rotation is required to 'wake-up' the inverter drive from power save mode. This does not affect wash quality because water fill starts immediately and it takes more than 10 seconds for water to reach the cylinder level to start saturation.
- Benefits:
 - Superior reliability and durability
 - Smooth motor performance
 - No parameter setting
 - No fan or filter to clean

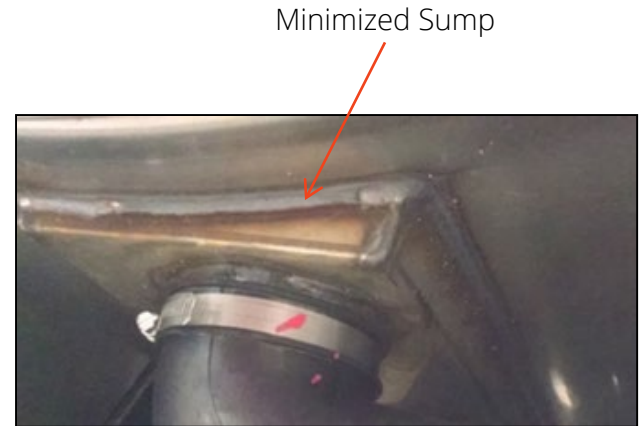


200G Force Extraction

- Removes more water in the washer extractor
- Coin Stores: 7 minutes less process time for customers
 - Compared to Standard 100G models
- OPL laundry: 200G option has <18 month payback in dryer energy savings alone
 - Assumes 10 loads/day and \$1.00/therm gas pricing
- Benefits:
 - Shorter dry times: happy customers, increased capacity, increased store revenue at busiest times
 - OPL drying capacity increased, operating costs decreased

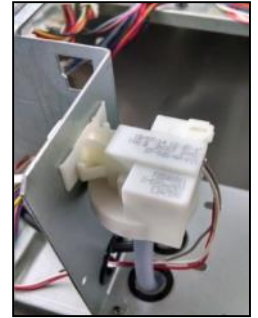
Low Water Consumption

- Sump designed to minimize wasted 'non-wash' water
- Effective factory water settings
 - Low consumption with excellent wash quality
- Software displays water consumed/cycle as you program
- Benefits:
 - Lower water bills improve profitability
 - Maintain industry leadership



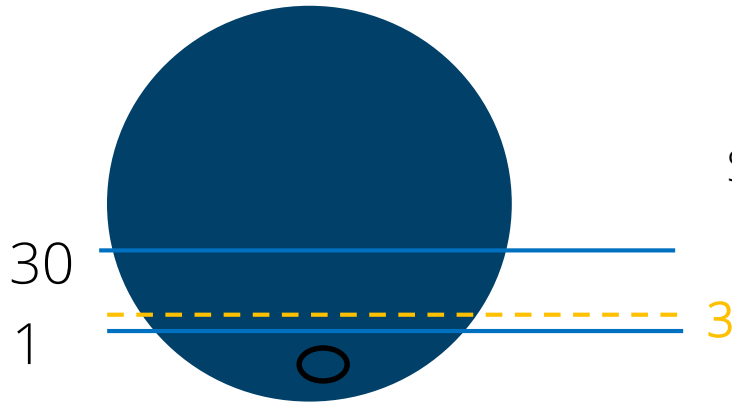
Low Water Consumption

- Pressure bulb location moved to the drain hose
- Benefits:
 - 7% less water consumption as shipped from factory
 - Ability to program lower water levels
 - Reduced cycle pauses
 - Improved water sensing accuracy



Water Levels

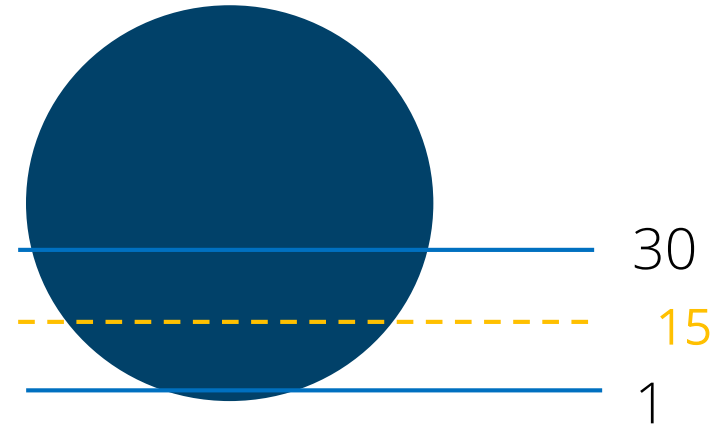
2017 Ripon Cab Hard
Water Levels



Design 4 Ripon Cab Hard
Water Levels

Same High
Level

Lower Low
Level



- Additional benefits of 'lower' water level capability:
 - 1) Ability to meet potential water regulations
 - 2) Supports specialty applications with extremely low water levels

Patented 'Water Guardian'

- Detects leaking fill valves
- Detects leaking drain valves
- Diagnostic tool alerts you to service requirement
 - No need to open every unit and inspect every valve!
- Benefits:
 - Save maintenance labor
 - Save thousands of gallons of wasted water
 - Reduce operating cost

Faster Fill SC60-100

- **Fill valve enhancement**

- Additional fill valve added to 60lb
- 80 & 100 lb. secondary valve improved

NOTE: additional valves on 60-100 lb. fill direct to vacuum breaker

- **Benefit: Faster fill times**

- SC60: 43% faster
- SC80-100: 20% faster



Wash Cylinder

- Durable SS wash cylinder
- Smooth hole extrusions
- Right height 'rain hole' baffles
- Benefits:
 - Maximum wash action
 - Minimum fiber damage



Soap Box

- Four compartments:
 - Pre-wash soap / wash soap / bleach & liquid soap / fabric softener
- Load all supplies before starting wash cycle
 - Unlike some major competitors
- Each compartment flushes independently at the correct time in the wash cycle
- Best-in-class rinsing and siphoning
- Benefits:
 - Customers not required to wait by the machine to add bleach and fabric softener later in the cycle
 - Reduced cleaning of the soap box

Front View



Soap Box Lid

- Hard plastic soap box lid
- Benefits:
 - Cleanable, mold resistant finish
 - Improved top panel interface reduces top panel chemical exposure
 - Lid remains open for easier customer filling
 - Enhanced lid instructions



3" Drain SC20-30

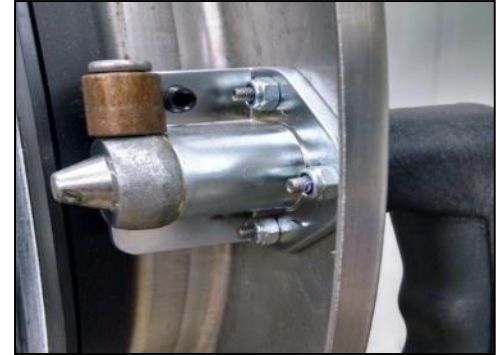
- Upgraded from 2" drain
- Benefits:
 - Fewer items caught in the drain valve
 - Consistent plumbing installation size on all cab hardmounts
 - Minor improvement in actual drain time (a few seconds)

Cabinet

- Stainless steel front panel and door
 - Optional chrome finish door
- 300 series stainless steel top panel
- Vinyl clad (skin plate) side panels
 - Optional stainless steel
- Benefits:
 - Bright, attractive surface finish
 - Durable, retains product value

Door Latch

- Smooth simple function
- Durable latch and lock mechanism
- Benefits:
 - Maximum uptime
 - Intuitive operation for customers
 - Long life



Door Gasket

- Clean, attractive loading door
- Easy to maintain
- Benefits:
 - Customers prefer and frequent clean equipment & facilities
 - Reduce cleaning time and cost

Factory Bases

- Metal bases for 20-60 lb. models in heights of 6" or 8"
 - Plate steel, laser cut and robotically welded for superior dimension accuracy and repeatability
 - Designed and built in the washer extractor factory
 - 80-100 lb. metal bases not allowed (floor mount or concrete riser only)
- Benefits:
 - Two base heights for flexible store design
 - Faster, easier installation and piece of mind



Stacks of
cabinet hardmount base
frames



Simple Hardmount Installation

- Fewer bolts required than competitive models
- Two-rail grouting pattern
- Pallet jackable frame on 80&100 lb. models allow for single person installation
- Benefits:
 - Less install time and cost

NOTE: It is easy and IMPORTANT to comply with concrete, bolt and grout specifications per the installation manual. Units not properly installed will transmit vibration to machine components shortening product life and may also transmit vibration to nearby building structures. Properly installed units DO NOT transmit vibrations and achieve maximum product life.

Packaging

- Standard package



- Shipping Crate Option

- Additional Protection
- Reasonable Price



SC CABINET HARDMOUNT

Cabinet Hardmount SC with Quantum Touch features

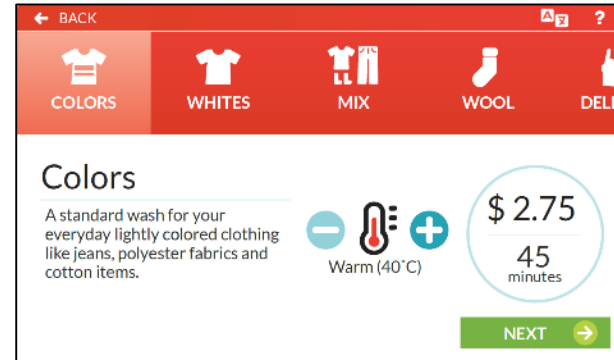
Control Highlights



 **Speed Queen.**

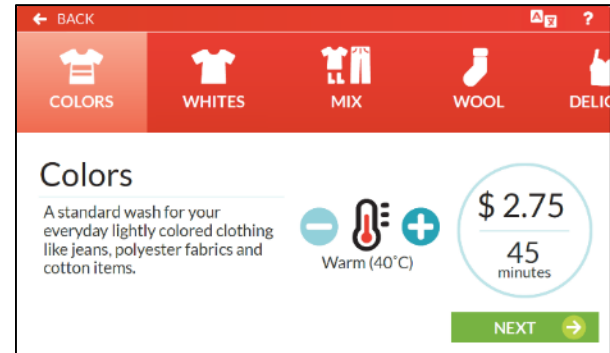
Quantum Touch Specs

Control Size	7" diagonal
Resolution	1024 x 600
Luminance	1000 cd/m2 (readable in sun light)
Colors	+16 million colors
Display Technology	180° viewing angle
Touch Technology	Capacitive
Communication	IRDA,WiFi and Serial Payment (Alliance Proprietary)



Control Highlights (1/3)

- 11 Basic Cycles + 1 custom made
- Temperature Selections:
 - 15°C – 90°C
- Flexible Pricing and extra Revenue:
 - 2 Bundle Modifiers
 - 9 A la Carte Modifiers
 - Time of Day Pricing
 - Lucky Cycle



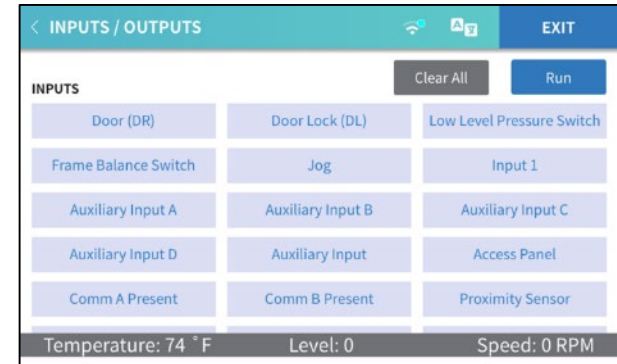
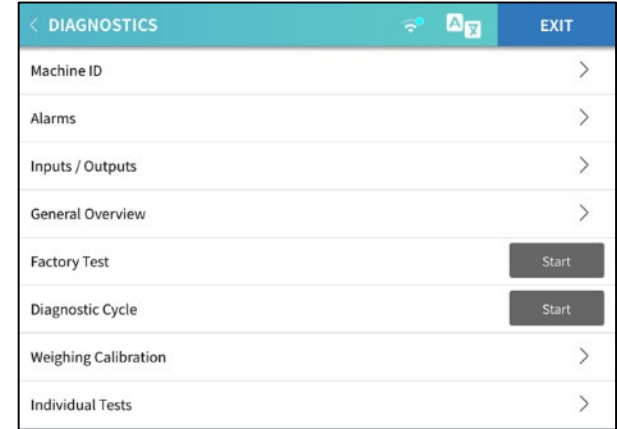
Control Highlights (2/3)

- **Userfriendly User Interface:**
 - User Selectable Language (34)
 - Operating Instructions are part of the control
- **Networkable and Easy to Program:**
 - Over The Air Updates
 - Speed Queen Insights
 - Quantum Vended Software
 - Infrared
- **Flexible Payment Modes:**
 - Coin
 - Card
 - Mobile
 - Bill
 - Kiosk



Control Highlights (3/3)

- Full Text Manual Programming
- Improved Diagnostics:
 - Audit Data
 - Alarm history w/ Time and Date Stamps
 - Diagnostic Cycles
 - Individual Testing of Components
 - Input/Output Menu:
 - Digital & Analog Input & Output Monitoring
 - Manual Output Enabling



For more info see the [Quantum Touch Sales Guide](#)

Quantum Touch – Comparison: Hardmount



	Quantum® Touch	Dexter	Wascomat/Electrolux	Maytag
Control Type	7" Capacitive Touchscreen	4 Buttons and 7 Segment Display	2 Buttons, Jog Dial and 3.2" LCD Display	11 Buttons and 5" Color Graphical Display
Multicolor Graphical Display	+	×	×	+
Multilingual	30+	3	22	3
Total Number of Cycles (including modifiers)	50+	12	55 <i>(10-15 standard from factory)</i>	25+
Number of Cycle Modifiers	11	3	3	4
Pre-Clean	+	×	×	×
Lucky Cycle	+	×	+	+
Time-of-Day Pricing	+	+	+	+
Vend Audit Data	+	+	+	+
USB or Flash Card	×	+	+	+
Infrared Communication	+	×	×	×
Wired Communication	×	+	+	×
Wireless Communication	+	×	×	+
Local Network	×	×	+	×
Cloud Network	+	+	×	+
Email/SMS Capable	+	×	+	+
Diagnostic Program	+	+	+	+
Service Audit Data	+	+	+	+

• Have to physically plug flash drive in to update settings or use Dexter Live

• Control is not very intuitive – indicator lights get mistaken for buttons often

• Remote networking not part of control; no cloud networking

• Need to use USB port to program machine, no infrared

• Cloud networking not quite live yet

• Need to open the machine to attach USB or program using keypad (≈20 min/machine)

SC CABINET HARDMOUNT

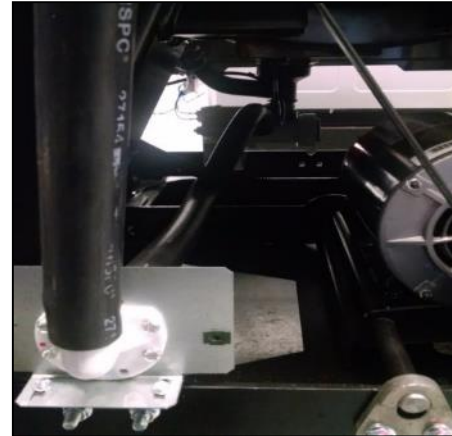
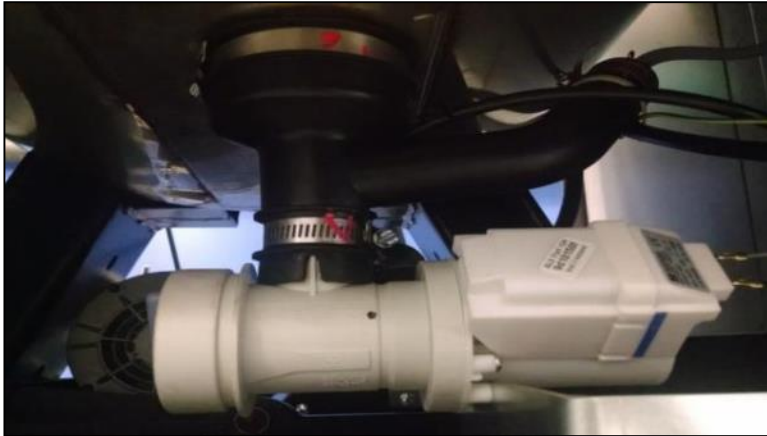
Cabinet Hardmount SC with Quantum Touch features

Options and accessories



Drain Pump Option SC20-40

- Same 2" pump used on FLW
- WX application has same stand pipe height spec as FLW
- Benefit:
 - New application, available for standpipe or below grade installations



Drain Pump Option SC20-40

- Not recommended for busy coin stores or high use
 - Be aware pumps require more maintenance than gravity drain!
- Approximate time additions for 3 bath vend cycles versus gravity drain with perfect install:

	<u>Level 15</u> (as shipped)	<u>Level 30</u> (worst case)
20lb	15 sec	1 min-30 sec
30lb	45 sec	2 min-45 sec
40lb	1 min-50 sec	5 min-15 sec

Extra Water Inlet Option

- Fills direct to the vacuum breaker to the basket
- One threaded connection, same spec as standard hot/cold inlets
- Benefits:
 - Can be used for hard water rinse, faster fill, etc.
 - NOTE: the water inlet system is not designed for ozone, using extra water inlet for ozone injection may void warranty

Voltage Options

- 120V / 60 Hz / 1 Ph (20-40 lb. models)
- 200-240V / 50-60 Hz / 1 & 3 Ph (boiler fed & steam only)
 - Excellent for regions with 200-240V base voltage
- 200-240V / 50-60 Hz / 3 Ph (electric heat only)
- 380-415V / 50-60 Hz / 3 Ph
- 440-480V / 50-60 Hz / 3 Ph

- Benefits:
 - No electrical conversions for 200-208V or 50/60 HZ
 - Reduces washer extractor SKUs and inventory dollars
 - Increase replacement sales and reduce costs
 - Because you have the right voltage in stock

Electric Heat Option

- Insulating cylinder wrap to reduce energy consumption
- Sump design specific to electric heating
 - NOTE: larger sump for heating increases water consumption per cycle compared to non-heat models
- Efficient heating of the bath

Total Electrical Heating Capacity, kW

Input Voltage	20-30 lb	40-60 lb	80-100 lb
240V	7.8	15.6	27.4
380V	6.5	13.0	17.2

- Benefits:
 - Energy efficient operation
 - Fast cycle times

Ozone Resistant Seal Option

- All models available with ozone resistant main seals to provide greater protection from ozonated water
- Benefits:
 - Ozone washing without sacrificing seal & bearing life





Q Speed Queen

Tumbler Dryers SU
with Quantum
Touch features

ST TUMBLERS

Tumble Dryers SU with Quantum Touch features

Machine features



Available Capacities (lbs.)

- S*T30
- S*T45
- S*025
- S*030
- S*035
- S*055
- S*050
- S*075

* Denotes Market Specific Digits below

"T" CSA Approved

"G" CSA Approved

"U" IEC/CE/EAC Approved

"A" Australian/IEC Approved

"H" China RoHS/IEC Approved

"J" Japan

"K" KGS/IEC Approvable

"R" IEC/CE Approved for Saudi Arabia



Tumblers 101

- What Does A Tumbler Do?

- Evaporates And Evacuates Water From Textiles
- Most Energy Intensive Part Of Laundry Process; Up To 60% Of Total Energy Costs

- How Does It Do It?

- Motor Starts; Exhaust Fan Pulls Air In
- Air Moves Over Heat Source
- Heated Air Passes Through Rotating Cylinder
- Saturated Air Exhausted

- What Variables Impact Drying?

- Time
 - Energy (Temperature)
 - Water Molecules Vaporize 540 Cal/G/°C ; 2257 KJ/Kg; 970.4 Btu/Lb.
- Airflow
 - Optimize Contact with and Evacuation of Heated Air to Max. Moisture Saturation with Min. Energy Input
- Load
 - Composition
 - Different fabrics require different combination of TEA to optimal results
 - Cotton, Terry Towels
 - » 1 Kg Per 18-25 Liters Of Drum Volume; Approx. 0.04-0.55kg/L; 2.5-3.5 lbs./Cu Ft
 - Synthetics And Blended Fabrics
 - » 1kg Per 50-60 Liters Drum Volume; Approx. 0.017-0.02kg/L; 1.04-1.25 lbs./Cu Ft
 - Size
 - Not About Fitting As Much As Possible In The Drum.
 - Too Much or Too little for Given Unit Capacity = Inefficient Drying
- Residual Moisture

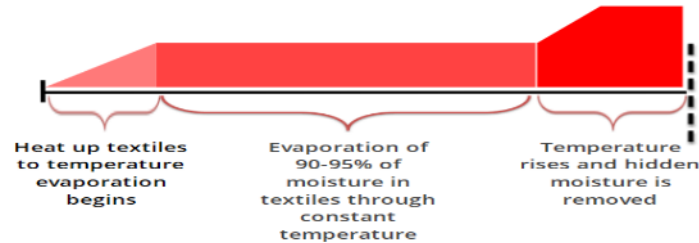
(Load Weight After Extraction - Load Weight Before Wash x 100 / Load Weight Before Wash)

- Lower Residual Moistures Require Increase in one or more TEA Variables
- Level of extraction in WX largest single variable determining drying time/energy use
- Extraction more efficient tumble drying removing water (too a point).

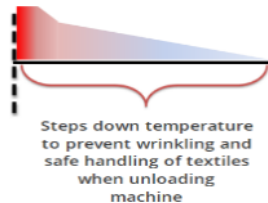
Drying Process

- Two Steps:

- Drying = Evaporation of the moisture from the load
 - Stage 1: Heat up textiles/laundry to temperature and evaporation begins (2-5 minutes)
 - Stage 2: Evaporation of 90-95% of moisture in load through constant temperature (20-30 minutes)
 - Stage 3: Removal of hidden moisture through temperature rising (5-10 minutes)



- Cool Down = Lowers the air temperature to cool down the load; preventing wrinkling and allows for safe handling when unloaded.



Tumbler Market Expectations

- **Drying Time**
 - 30 Minutes or Less Desired
 - 15-60 min acceptable depending on load-type and segment
 - Faster is Better
- **Energy Consumption**
 - Low Cost to Operate
 - Longer Drying Time = Using More Energy
- **Easy to Use**
 - Controls Simple (Load, Press Start)
 - Time Expires, Open Door, Remove Dry Clothes
- **Durability**
 - Want to Last Forever
 - Need to Function Well in Abusive Environment
- **Aesthetics**
 - Units Look Good Even After Prolonged Use

Factors Impacting Perception

- Washers

- Lower G-force Washer-extractors (80 to 180 G-force)
 - More retained moisture requires longer dry time or increased drying capacity
 - Costs 15x more dry 1kg of water in dryer vs extract in washer
- Washers-extractors Process 1-2 Loads Per Hours; Tumble Dryer Must Do Similar
 - Keeps from having wet linen waiting
- Tumble Dryers Min. One Size Larger than Washer-extractor.
 - Required to ensure adequate air flow; dry times increase otherwise

- Load Size/Composition

- Linen Material and Weave
 - Composition changes moisture retention and dry time; mixed loads most difficult
- Load Size v Tumbler Capacity

- Installation

- Adequate Make-up Air / Proper Venting
- Enclosing the Tumble Dryers / Segregate Make-up Air Supply
 - Each exposed face loses 2% of the rated BTU input; Enclosing reduces emission to user-area up to 80%.
 - Does not use conditioned room air for make-up air.
 - Reduces user exposure to noise from motors, belts, chains and the airflow in the exhaust duct
- Adequate Service Space Backside of Unit
 - Difficulty to service repair results in not being done

ST TUMBLERS

Tumble Dryers SU with Quantum Touch features

**What makes ALS tumblers
different?**



What Makes ALS Tumblers Different?

- **INDUSTRY LEADING RELIABILITY/DURABILITY**
- **Life Cycle Testing**
 - 30,000 Cycles (Equivalent to 20,000 hours or 10 years)
- **Accelerated Component Testing**
 - Motor (120,000 cycles)
 - Door slam (50,000 cycles)
 - Lint door slam (10,000 cycles)
 - Heat circuit (250,000 cycles)
- **Capacity Testing**
 - 50 Test Stations
 - Use weights to “overload” capacity
 - Test to Standard Cycle and Rapid Stop-Start Cycle (70,000 cycles)

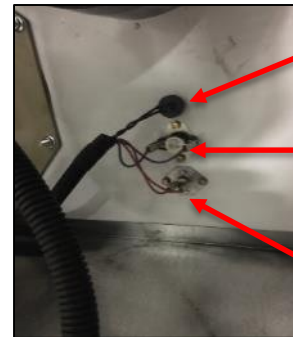
What Makes ALS Tumblers Different?

- **USABILITY FEATURES**
- **Self Clearing Lint Filter**
 - Lint screen flexes w/ airflow; automatically clearing lint into storage area for daily removal (compared to every 2-3 loads).
- **Large Door Openings**
 - Easy to load and unload laundry
- **Belt Drive System**
 - Less noisy than competition.
 - Utilize self-adjusting belts, reducing maintenance costs.
- **High Performance Gas Burners**
 - Ignites instantly, reaches temperature quickly, efficiently distributes heat.
 - Reduces drying times
 - Increases energy savings



What Makes ALS Tumblers Different?

- USABILITY FEATURES
- Main Diagnostic Components Available From The Back



Thermistor

Cabinet Limit
Manual Reset

Cabinet Limit
Thermostat

- Input/output Board Located In The Back Of The Unit For Easy Service/Diagnostics



What Makes ALS Tumblers Different?

- USABILITY FEATURES
- Reversing All Capacities
 - Benefits:
 - Opportunity for increased vend price for reversing units for larger items
 - Stacks Will Have Reversing Available
 - Single Phase Reversing Available On 25-75# And Stacks
 - Vended And OPL Reversing Availability
- Third Party Payment Wire Run
 - Benefits:
 - Easier Installation of 3P Payment Systems
 - All vended stack tumblers will come with $\frac{3}{4}$ " OD / $\frac{1}{2}$ " ID conduit from the back of the unit to each control box compartment to facilitate the running of after-market payment system wiring with following payment actuation options
 - Prep for Coin
 - Coin Drop Installed
 - Prep for Card (also comes with transformers in each control compartment)

What Makes ALS Tumblers Different?

- USABILITY FEATURES
- Decreased Operational Noise
- Benefit:
 - Equivalent To Or Less Than Normal Conversational Noise
 - Decreased dB rating of ~4.5% on average (~3% incl. 170/200)
 - Average dB rating:
 - 60 dB (Singles, small & regular)
 - 64 dB (Stacks)
 - 65 dB (Large singles)

What Makes ALS Tumblers Different?

- USABILITY FEATURES
- Consolidated Voltage Offerings
 - Benefits:
 - Less Motor Inventory On Distributor Shelves
 - Price Sheet Simplification When Ordering
 - Less Variables For Stocking Purposes
 - Consolidation: 29 voltage options to 13;
 - 10 motor part numbers: all caps and voltage
 - Gas/Steam Voltages:
 - B - 100-120V/50-60Hz/1Ph
 - X - 200-240V/50-60Hz/1-3Ph
 - N - 440-480V/50-60Hz/3Ph
 - P - 380-415V/50-60Hz/3Ph
 - Q - 200-240V/50-60Hz/3Ph
 - Electric Voltages:
 - D - 200-208V/50-60Hz/1Ph
 - E - 230-240V/50-60Hz/1Ph
 - F - 200-208V/50-60Hz/3Ph
 - G - 230-240V/50-60Hz/3Ph
 - H - 380V/50-60Hz/3Ph
 - J - 400-415V/50-60Hz/3Ph
 - K - 440V/50-60Hz/3Ph
 - L - 460-480V/50-60Hz/3Ph
- Voltage/Frequency Compensation
 - Benefits:
 - Improved Drying Performance
 - Maintains constant airflow over incoming voltage fluctuations between the following ranges:
 - 90-132V/50-60Hz
 - 180-264V/50-60Hz
 - 342-456V/50-60Hz
 - 396-528V/50-60Hz
 - Standard on all tumbler capacities
 - Increased 50Hz performance and airflow to match that of 60Hz units

What Makes ALS Tumblers Different?

- **USABILITY FEATURES**
- **Enclosed Back**
 - Benefits:
 - Easier Access To All Rear Mounted Parts
 - Overcome Competition Claims Full Back Is Safer
 - Only one guard to remove instead of multiple guards for each component
 - Standard on 50-200# capacities
- **Direct Drive Blowers**
 - Benefits:
 - Better Balanced Fans
 - No Fan Belt Squealing
 - No Fan Pulleys, Belts, Bearings, Etc. To Service Or Stock
 - All capacities

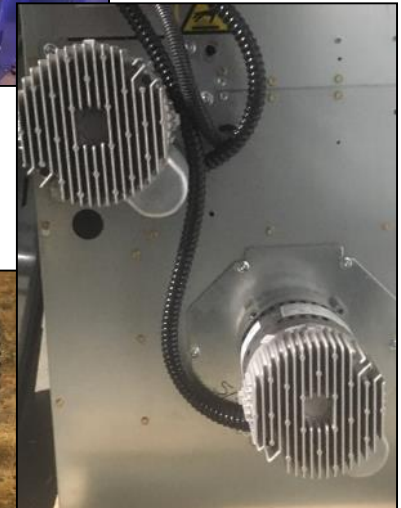


What Makes ALS Tumblers Different?

- MANUFACTURING EXCELLENCE
- Lean Manufacturing
 - Empower and Enable Production
 - Each worker responsible for their part of assembly process
 - Pride of workmanship, low worker turnover
 - Constantly Improve Tools and Process
 - Conduct Kaizen events improve product quality and workplace environment
 - Provide visual work instructions, double checks, flexing
- Full Testing and Auditing
 - 100% Run and Inspected
 - Frequent Extended Audits
 - 2-3% of units receive additional testing with a load

What Makes ALS Tumblers Different?

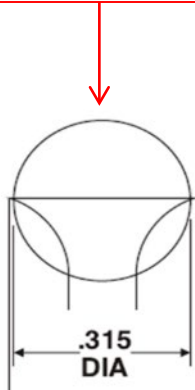
- UNIQUE TECHNOLOGY
- Custom Frequency Controlled Drives
- Benefits:
 - Soft Start/Stop
 - Decreased Operational Noise
 - Longer Belt Life
 - Reduced Belt Slip
 - Less Service Calls
- Customized Variable Speed Motor
 - Benefits:
 - More Efficient, More Compact & More Power Density
 - Ability To Run On Large Voltage Spectrums & Fluctuations
 - » More Consistent Tumbling Action (Basket Rotation)
 - Improved Diagnostic Capabilities
 - » Ability to communicate any errors to the front end control
 - Incorporates A Self-adjusting Spring Tensioning Method
 - Improved Serviceability = Less Down Time



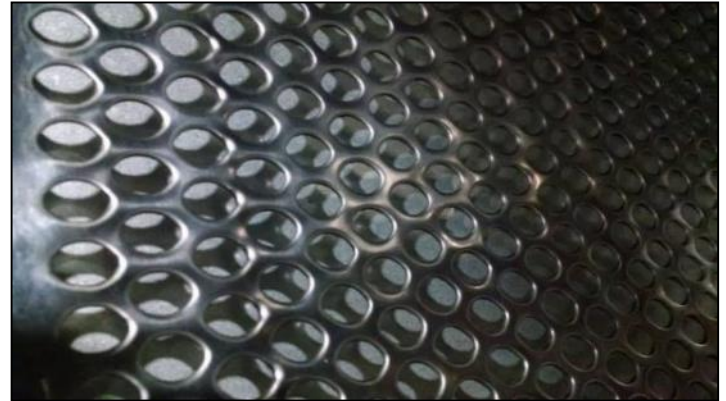
What Makes ALS Tumblers Different?

- UNIQUE TECHNOLOGY
- Patented Drywall Screw Solution
 - Designed to reduce tumbler damage
 - Cylinder hole design allows drywall screws to pass through.
 - The .330" head diameter of drywall screws susceptible to lodge in a standard .315" tumbler cylinder hole.

Conventional Design



ALS Design

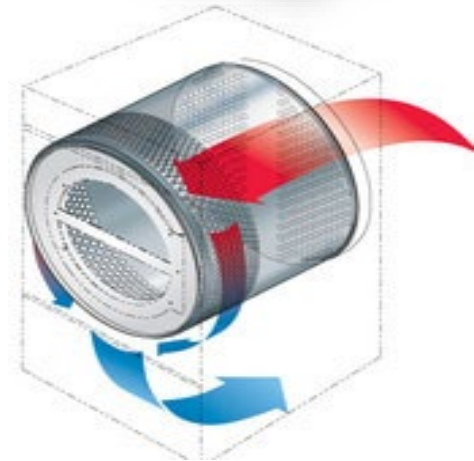
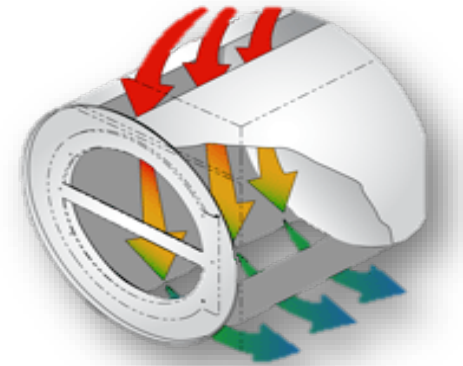


Available Capacities

25, 30, T30, 35, T45, 55, 50,75, 120, 170 (no 200)

What Makes ALS Tumblers Different?

- **UNIQUE TECHNOLOGY**
- **Airflow Optimization**
 - Balanced Cylinder Dimensions
 - Too larger diameter result in air bypass.
 - Too small diameter results in lack of load separation.
 - Airflow Matched to Heat
 - Too much airflow inhibits the load to get up to temperature quickly
 - Too little airflow does not remove the moisture fast enough
 - Pattern by Capacity
 - Vertical airflow (top to bottom)
50,75,120,170, 200
 - Axial airflow (back to front)
25,30,35,55,T30,T45

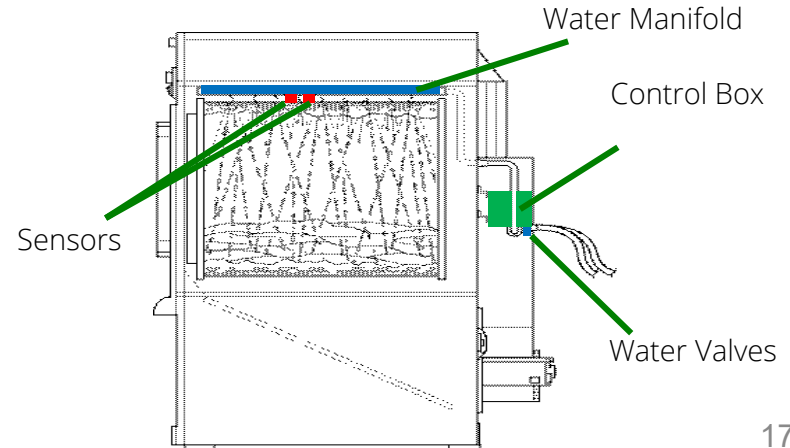


What Makes ALS Tumblers Different?

- UNIQUE TECHNOLOGY
- Fire Suppression System
 - If excessive temperature in cylinder detected...
 - shuts down electrical to front of the tumbler (including the fan and cylinder)
 - Water valves are activated for 90 seconds (12 gallons / 45 litres)
 - Auxiliary alarm output activated
 - Main tumbler control locked out until reset (in locked control box)
 - Control continues to monitor; reactivates if necessary



Not Available On Electric Heat Units
Not Available As A Field Retrofit



What Makes ALS Tumblers Different?

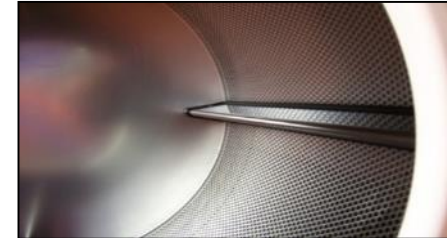
- UNIQUE TECHNOLOGY
- Overdrying Prevention Technology (OPT)
 - Reduces Costs; Pays for Itself
 - Energy/Utility
 - Labor
 - Linen Replacement
 - Machine Automatically Stops When Load Dry
 - Based on Electrical Conductivity of Load
 - Simple, Maintenance Free Operation
 - Lifter Used as Sensor; Isolated from Cylinder
 - Laundry Load Provides Conductance from Lifter to Cylinder
 - Rotational OPT Switch Receives Constant Signal; Sends To Micro Controller
 - Rotational Switch Life Expectancy- Billions Of Rotations

ALS Moisture Sensing Survey

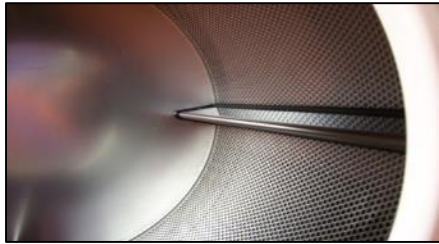
- 79% respondents believe laundries overdry by more than 8 minutes per load.
- 84% respondents believe only 20% of managers realize they are overdrying.

What Makes ALS Tumblers Different?

- UNIQUE TECHNOLOGY
- How Does OPT Work?
- Program Machine to Desired End Moisture Level
 - Moisture Level Options: 0,1,3,5,7,10,15,20,25,30,35,40%
 - Fine Tune by Programming Additional Heat Time
 - Six Load Material Selections
- Start Machine
 - With Full Load of Laundry
- Load Conductivity Measured Between Isolated Lifter and Cylinder Wall
 - As The Load Dries, Conductivity Decreases
- Load Conductivity Signal Transferred from Cylinder to Switch
 - Switch in Center of Cylinder Bulkhead
- Switch Sends Signal to Control
 - Via Stationary Wires
- Machine Stops When Desired Moisture Content Attained
 - Control Calculates Actual Moisture Level



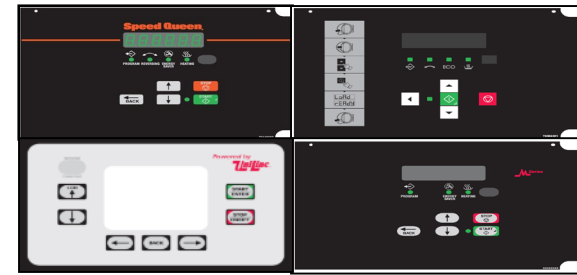
ALS



534 square inches of load contact

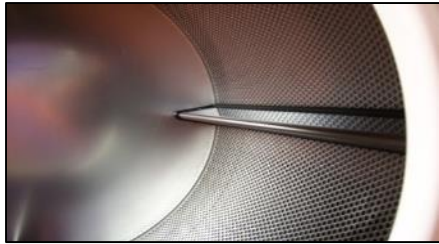


Maintenance free signal transmission



12+ moisture level settings

Electrolux/Wascomat



Similar square inches of load contact



Brush contactor degrades over time



16+ moisture level settings

ADC



2 square inches of load contact



Stationary bulk head



3 moisture level settings

Hard wire

What Makes ALS Tumblers Different?

- UNIQUE TECHNOLOGY
- How Does OPT Reduce Costs and Pay for Itself?
 - Saves Energy
 - Extends Linen Life
 - Fiber loss in towels is reduced by 31% (by not over-drying 8 minutes)
 - Increases Productivity
 - 18,250lbs (8,295Kg) per year per 075 drying tumbler**

Annual Cost of Overdrying*

Over-drying Minutes	Capacity							
	025	030	035	050	055	075	120	170
2	\$86	\$98	\$120	\$174	\$150	\$221	\$402	\$529
4	\$171	\$195	\$241	\$348	\$300	\$442	\$803	\$1,057
6	\$257	\$293	\$361	\$522	\$450	\$662	\$1,205	\$1,586
8	\$343	\$391	\$482	\$696	\$600	\$883	\$1,606	\$2,115
10	\$428	\$488	\$602	\$870	\$749	\$1,104	\$2,008	\$2,643

OPT Return on Investment (ROI) = 6 months***

*Based on estimate of 8 minutes per load overdrying
 **Based on 8 minutes per load time savings allowing one more load per day processed
 *** Based on 8 minutes overdrying, 10 loads/day, \$1.00/therm

ST TUMBLERS

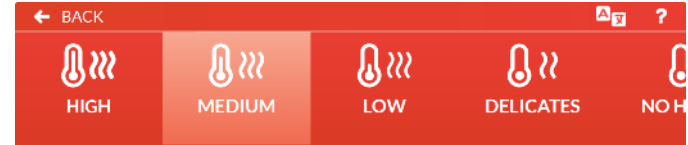
Tumble Dryers SU with Quantum Touch features

Control Highlights



Quantum Touch Specs

Control Size ok	7" diagonal (Single Tumblers)	5" diagonal (Stack Tumblers)
Resolution	1024 x 600	800 x 480
Luminance	1000 cd/m2 (readable in sun light)	
Colors	+16 million colors	
Display Technology	180° viewing angle	
Touch Technology	Capacitive	
Communication	IRDA,WiFi and Serial Payment (Alliance Proprietary)	



Medium Dry

Use this medium heat setting to safely dry colored garments and synthetic fabrics. Great for items that wrinkle or fade easily, such as blouses, dresses and slacks.

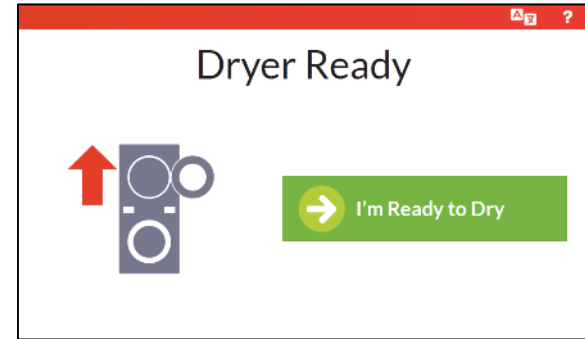
− **7** +
 minutes

\$ 2.00

NEXT →

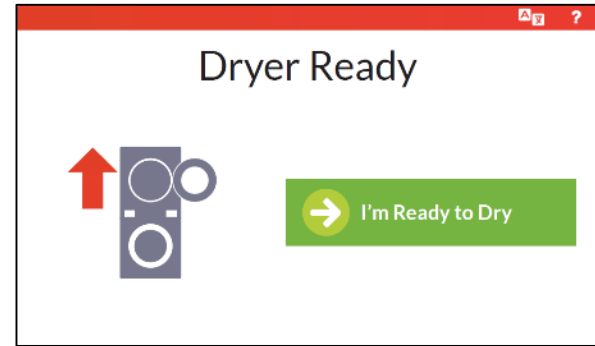
Control Highlights

- 5 Basic Cycles:
 - HIGH
 - MEDIUM
 - LOW
 - DELICATE
 - NO HEAT
- Flexible Pricing and extra Revenue:
 - 2 A la Carte Modifiers (NEW)
 - Time of Day Pricing
 - Lucky Cycle



Control Highlights

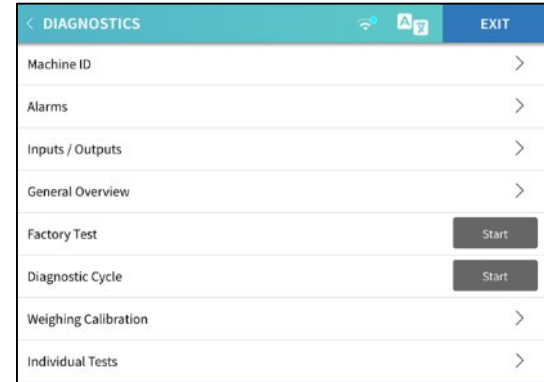
- **Userfriendly User Interface:**
 - User Selectable Language (34)
 - Operating Instructions are part of the control
- **Networkable and Easy to Program:**
 - Over The Air Updates
 - Speed Queen Insights
 - Quantum Vended Software
 - Infrared
- **Flexible Payment Modes:**
 - Coin
 - Card
 - Mobile
 - Bill
 - Kiosk



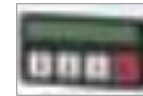
Control Highlights

- Full Text Manual Programming
- Improved Diagnostics:
 - Audit Data
 - Alarm history w/ Time and Date Stamps
 - Diagnostic Cycles
 - Individual Testing of Components
 - Input/Output Menu:
 - Digital & Analog Input & Output Monitoring
 - Manual Output Enabling

For more info see the Quantum Touch Sales Guide



Quantum Touch – Comparison: Tumbler dryers



	Quantum® Touch	Dexter	Wascomat/Electrolux	ADC
Control Type	5" or 7" Capacitive Touchscreen	4 Buttons and 7 Segment Display	3 Buttons and 3.2" LCD Display	3 Buttons and LCD Display
Multicolor Graphical Display	+	×	×	×
Multilingual	30+	×	22	×
Total Number of Cycles (including modifiers)	5	3	4	3
Number of Cycle Modifiers	2	0	0	0
Lucky Cycle	+	×	×	×
Time-of-Day Pricing	+	×	×	+
Vend Audit Data	+	+	+	+
USB or Flash Card	×	+	+	+
Infrared Communication	+	×	×	+
Wired Communication	×	+	+	×
Wireless Communication	+	×	×	×
Local Network	×	×	+	+
Cloud Network	+	+	×	×
Email/SMS Capable	+	+	×	+
Diagnostic Program	+	×	×	+
Service Audit Data	+	+	+	+
Inverter Driven Motors	+	×	+	+

• No upsell features

• Programming not through infrared or network connection, still have to use flash drive

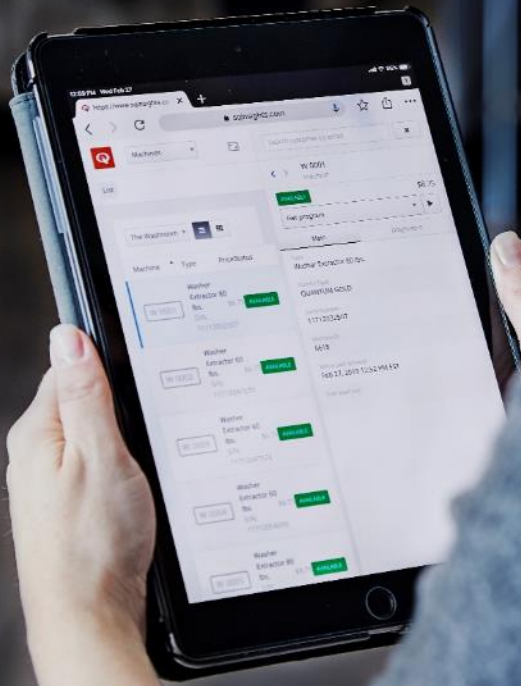
• No upsell features

• Need to use USB port to program machine, no infrared

• No upsell features

• No communication capabilities to service, program, troubleshoot or monitor remotely

Speed Queen Insights



Speed Queen Insights

Speed Queen Insights

Features and concept



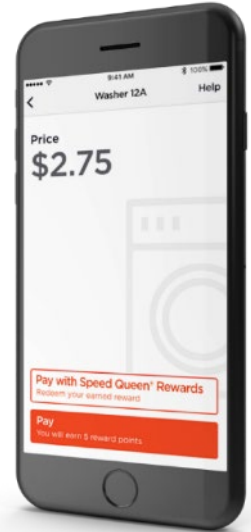
Speed Queen Insights

Running your business has never been simpler.

Speed Queen Insights can be activated on all Quantum Touch machines.

Speed Queen Insights changes the way we do laundry. It makes connecting with customers easy and growing the business even easier. All business management needs - financial and operational data and analytics, customer engagement, service and maintenance - are all tied together into a single cloud-based platform that can be accessed from anywhere.

Its new mobile payment app with customer rewards makes the laundry experience seamless and enjoyable for customers. It's the easiest, most comprehensive laundry management platform ever.



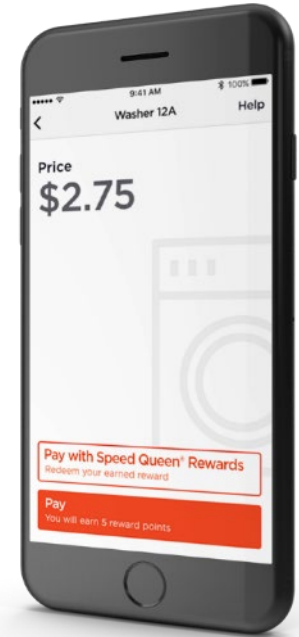
Insights

- Networking

- Quick easy access to data → better business decisions
 - Financial dashboard
 - KPI tracking
 - Revenue reporting
 - Utility tracking
 - Error tracking

- Payment System

- App-based payments are convenient and drive customer loyalty
 - Higher revenue through float and in app upsells
 - Customer rewards
 - Customer data
 - Simple refund



“Speed Queen Insights is the easiest way to accept mobile payments, control machines, and manage your laundry business from anywhere”

Speed Queen Insights

Speed Queen Insights

Reasons to buy



Insights – Reasons to Buy



- More Profitable Business Via

- Highly scalable system (own more stores)
- Simple, cloud-based reporting
- Customer loyalty & incentives



- Fully Integrated System

- Eliminates costly 3rd party systems
- Factory installed
- No risk of obsolescence



- SQ – Your Technology Partner

- Dedicated 24/7 support team
- Pre-negotiated credit card matching
- Industry experts with a consultative approach

Speed Queen Insights

Speed Queen Insights

Comparison



Speed Queen Insights - Comparison

	Feature	Networking only	Networking + App Payment
Networking	Cloud-based system	✓	✓
	Wireless networking	✓	✓
Programming and Alerts	Remote programming and machine control	✓	✓
	Cycle advance	✓	✓
	Free vend	✓	✓
	Dryer top-off	✓	✓
	Clear partial vend	✓	✓
	Clear errors	✓	✓
	Pre-programmed cycle changes	✓	✓
	Adjust water levels	✓	✓
	Remote price changes	✓	✓
	Scheduled programming changes	✓	✓
	35+ configurable alert settings with email and text notification options	✓	✓
	Reporting	Detailed multi-location management dashboard and reports	✓
30+ subscribable reports		✓	✓
Machine audit reports		✓	✓
Customer mobile wallet deposit and transaction tracking			✓
App customer contact list and account details			✓

Speed Queen Insights - Comparison

	Feature	Networking only	Networking + App Payment
Payment App	Flexible rewards program including rewards based on: Deposits, Usage, Time of Day and Machine Capacity		✓
	Cash to mobile wallet functionality		✓
	Mobile wallet auto reloads		✓
	Mobile wallet refunds and tracking		✓
	In-app cycle modifiers and upsells		✓
	In-app list of machine availability		✓
	Machine cycle notifications (push, text, email)		✓
Monitoring	Video monitoring integration	✓	✓
	Current machine cycle statuses	✓	✓
	Last 10 app users to use each machine		✓
	Wash Alert™	✓	✓
Support	24/7 support for owners	✓	✓
	24/7 technical support for app users		✓
	Owner portal and mobile app available	✓	✓
	How-to guides and videos for easy reference	✓	✓
	Automatic system updates and upgrades	✓	✓
	Onboarding consultations with Product Specialists	✓	✓
	Marketing consultations with Product Specialists		✓
	In-store app marketing assets and support		✓

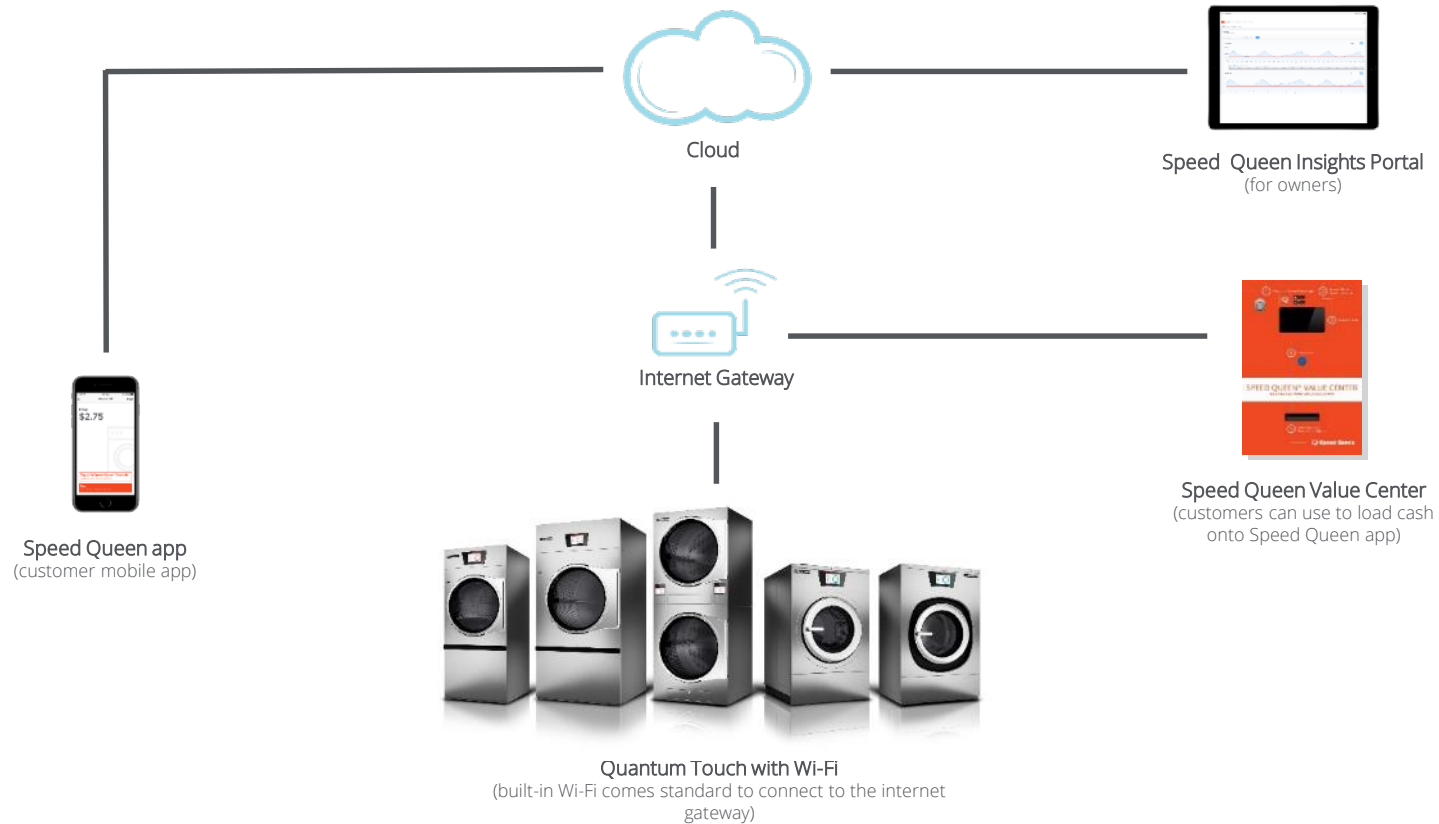
Speed Queen Insights

Speed Queen Insights

How it works



Insights – How it Works



Speed Queen Insights

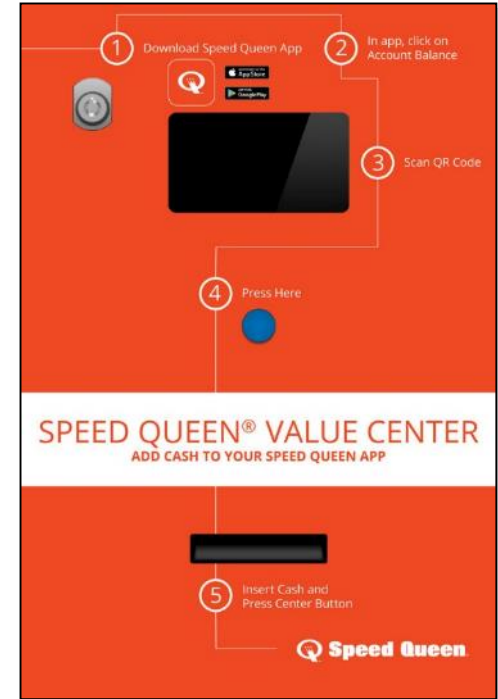
Speed Queen Insights

Speed Queen Value Center



Speed Queen Value Center

- The Value Center allows cash based customers to enjoy the convenience of the mobile app and earn rewards without using a credit card
- Accepts all major currencies



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