

“How can I customize my carwash to offer my customers an experience that exceeds expectations?”

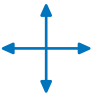


With the modular SoftLine<sup>2</sup> conveyor tunnel systems.



## SoftLine<sup>2</sup>: Advantages for you and your customers.

- Maximum flexibility in the design of your carwash to suit your site, available space and washing requirements
- Supreme washing quality and efficiency thanks to linear technology
- Sets the standard in customizability and differs significantly from other conveyor tunnel systems



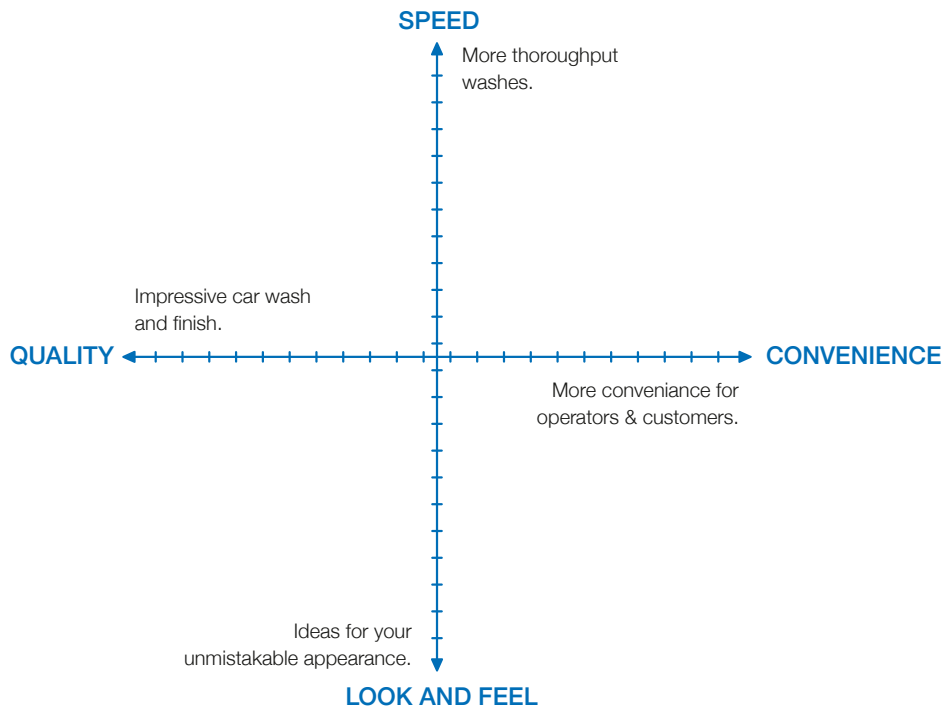
# 4DIMENSIONS for a successful carwash business.

Does a carwash actually exist that washes and dries thoroughly even at high throughput and is optimally tuned to the respective site conditions and washing potential?

Such a conveyor tunnel system does exist. SoftLine<sup>2</sup>. Like no other system, the SoftLine<sup>2</sup> can be configured to meet the high demands of your customers in terms of wash quality, throughput, ease of use and design. Four parameters that we at Mark VII refer to as the **4DIMENSIONS** of modern vehicle washing.

The SoftLine<sup>2</sup> conveyor tunnel systems combine all these dimensions into a carwash experience that impresses your customers. And equally you as an operator, since it turns vehicle washing into a lucrative business.

Discover the new dimensions in vehicle washing with the **4DIMENSIONS**. And use SoftLine<sup>2</sup>, which is customizable to your business model, to guarantee maximum customer satisfaction—and for your successful carwash business.



» **4DIMENSIONS** for every need. The 4DIMENSIONS deliver customized solutions for every need. As an operator, you decide which parameters are most important. And we guarantee you a solution that is optimally geared to your customer's needs.

# Efficient and profitable: **Linear Technology** improves wash quality where it is needed.

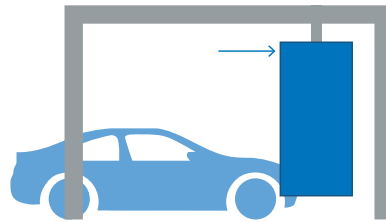
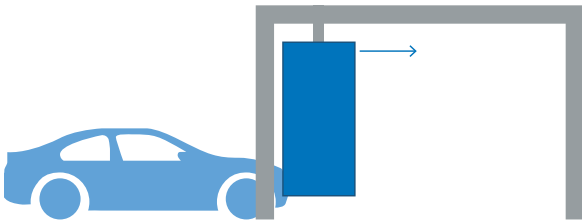
## Important requirements for the carwash:



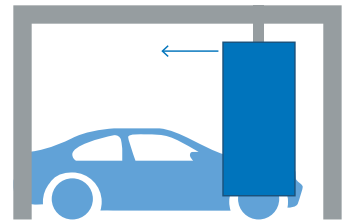
- Optimum wash quality in areas that get very dirty such as the front and rear
- Less effort in the pre-wash
- Efficiency due to short conveyor belt length and cost-efficient operation  
Optional LED price display and 2 lines of text

## Our proven solution: Linear travel for intensive wash

Prolonged contact duration thanks to linear travel at front



Contact duration





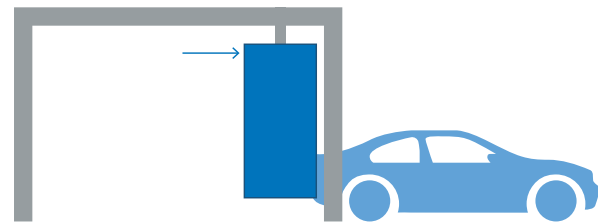
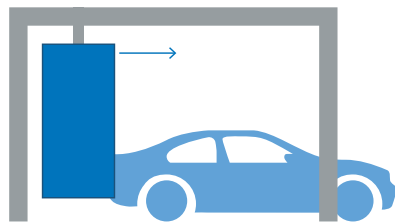
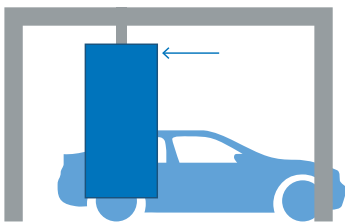
# Efficient and intelligent: Always close to optimally contour the vehicle.

Continuous performance monitoring of the brush rotation for precisely honing in on the vehicle contour



Also for side wash

Prolonged contact duration thanks to linear travel at the rear



## YOUR ADVANTAGES:

**Hones in precisely, washes gently.**

Thanks to electronic control of the brush in-feed

**Higher wash quality at the front and rear.**

Optimal contact time and coverage with linear technology



# Convenient maintenance, simple spare parts logistics.

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## Same linear drive for high pressure, brush and dryer station.

- Compact guide integrated in the frame
- Additional support via two track rollers
- Robust drive via proven friction wheel technology
- Exact positioning by proximity switches and special profiling of the slide



## Low-maintenance side roller carriage.

- Accessible design of the carriages simplifies maintenance
- The carriage rollers can be replaced individually and quickly with ease
- Optionally available with trim



## Low-maintenance friction wheel technology.

- Linear and transverse travel systems are equipped with the same friction wheel drive
- Accessible design of the carriages simplifies maintenance
- No lubrication necessary

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## YOUR ADVANTAGES:

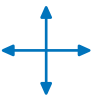
### Robust and proven friction wheel technology.

Long service life and easy maintenance without lubrication

### Synchronous adaptation of all units to the belt speed.

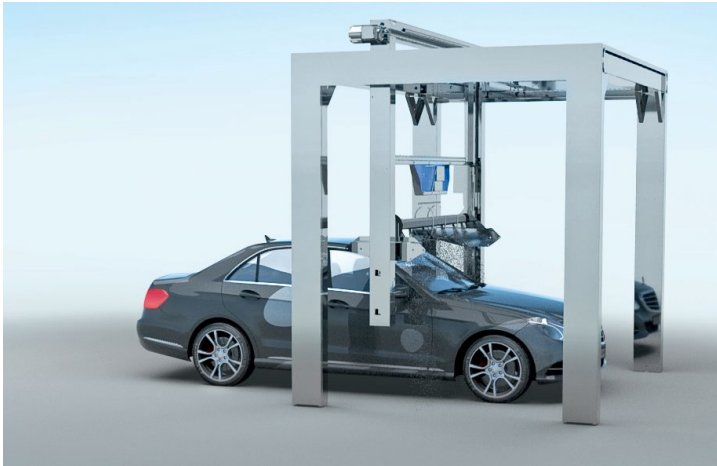
High washing quality even at high throughput

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# Linear Technology: Used in all wash processes.

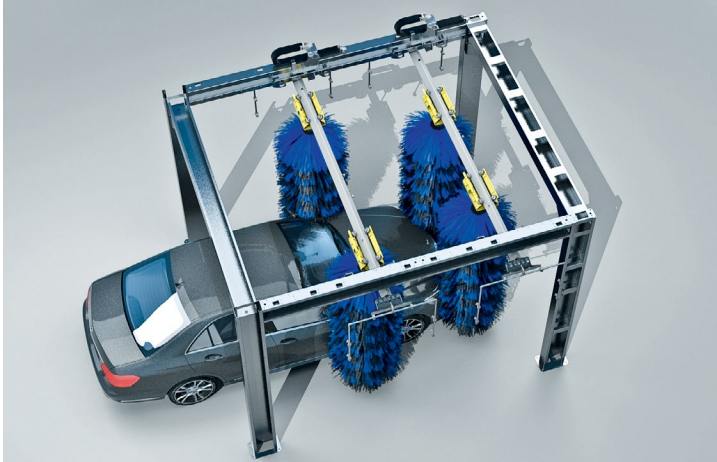
Linear-travel and contour-tracking high pressure



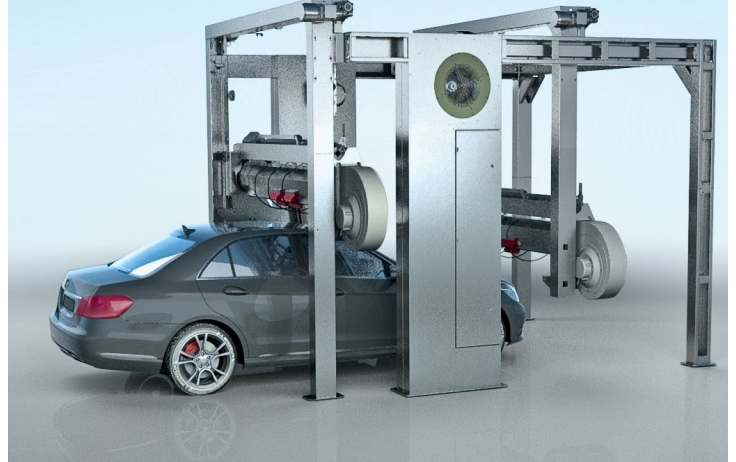
Linear-travel and contour-tracking roof dryer



Linear-travel and contour-tracking side brushes



Linear-travel and contour-tracking roof brush



## YOUR ADVANTAGES:

### Simple spare parts logistics.

By using identical parts for the brush, high-pressure and dryer station

### More carwashing business thanks to efficient linear technology.

Higher throughput with the same footprint and consistently high wash quality



### Effectively cuts through dirt: Our robust high-pressure pre-wash module.

- The inviting pre-wash station made of stainless steel components attracts customers
- The targeted pre-cleaning—e.g. the removal of insect residues on the front of the vehicle – ensures a perfect washing result
- All the components are designed for heavy-duty use in continuous operation: high-pressure pump module, dual ceiling gyro from stainless steel, spray lances for high-pressure pre-wash and chemicals
- Frost protection function optionally integrated



### YOUR ADVANTAGES:

#### Optimum washing result, even happier customers.

By cutting through stubborn dirt and road grime especially in critical areas

#### More throughput.

Thanks to easy handling with ceiling gyro and durable high-pressure units





# Entrance gantry: The business card of a carwash.

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## YOUR ADVANTAGES WITH MARK VII DESIGN GANTRIES:

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### Optimally customized to your site.

Wide range of design options

### Less space required, shorter conveyor belt length.

Numerous washing functions (vehicle measurement, sprinkling, foam application, rim sprayer) can be integrated

### Unique and distinctive appearance.

Smart-Design: customisable banners with striking LED backlighting

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**FoamSensation: Foam wash with Wow factor.**

The perfect complement to the foam pre-wash used to date: FoamSensation covers the entire vehicle with a voluminous, colourfully illuminated foam curtain. This makes carwashing a spectacular experience. The attractive LED lighting conveys freshness and cleanliness.

**YOUR ADVANTAGES WITH FOAMSENSATION:**

**Superb washing experience in the premium program.**

By completely covering the vehicle with a continuous foam curtain

**Attractive show effect: Customizable.**

By means of LED backlighting with alternating colours

**Easy retrofitting.**

Installed as a separate unit or integrated simply at the entrance gantry

**Simple and space-saving integration into the conveyor tunnel system.**

Activation in a few seconds, even after a long downtime



# LightShow:

For a superb washing experience.

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## YOUR ADVANTAGES WITH LIGHTSHOW:

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### **Superb washing experience and higher sales.**

Attractive LED lighting makes it easy to see from inside the vehicle

### **High quality LED lights.**

Designed for the heavy-duty operation in the conveyor tunnel system

### **Flexibility for the lighting concept.**

Can be integrated in standard/combined arch and high pressure/brush station

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# Operator terminal: Simple and fast control over the carwash.

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## CP2 membrane keypad.

- Entry of the wash programs and manual system control via heavy-duty membrane keypad
- Status and fault messages are displayed on a 4-line display
- For cashless payments, the terminal can be equipped with an optional transponder card reader



## CP5 Terminal Touch: Intuitive use via graphic user interface.

- The touchscreen terminal can be operated intuitively and easily via the graphic user interface
- Carwash operation and configuration of the system parameters (e.g. prices, opening times, etc.) are both performed via a greatly simplified user interface
- Event notification and wash program counter integrated in the control panel
- Activation via transponder cards or code input
- The individual system units can be separately controlled for adjustment via the menu



## YOUR ADVANTAGES:

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### Optimum adaptation to the operator.

Thanks to clearly laid out controls

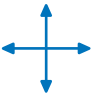
### More throughput.

Thanks to fast and intuitive operation

### Rapid restart.

Thanks to fast and precise event diagnosis

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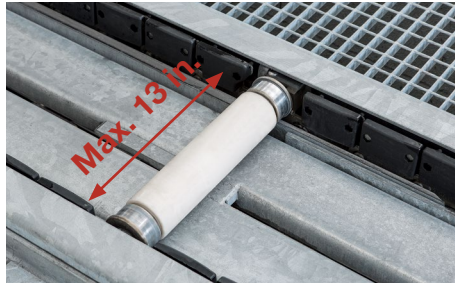


# Conveyor system: Easy entry, safe for wheels.



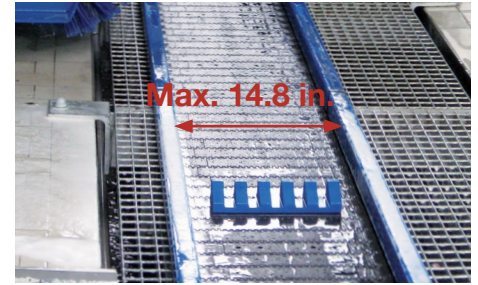
## Correlator.

- Roller-bearing shifting plate positions inexperienced drivers safely onto the conveyor
- Durable plastic rollers available in your choice of colors
- To ensure employee safety, the shifting plate doesn't move until the vehicle is on top of it



## Steel Roller-Style Conveyor.

- Wheel safety is guaranteed thanks to smooth plastic sidewalls that move with the vehicle
- 3 inch height prevents wheels from slipping off the track
- Accommodates tire widths up to 13 inches
- Speed is highly adjustable via frequency converter
- Low maintenance rollers rotate the wheels on the conveyor for maximum cleaning



## Plastic Belt-Style Conveyor.

- High-strength 0.87 inch plastic belt
- 2.4 inch height prevents standard wheels from contacting the conveyor
- Accommodates tires up to 14.8 inches wide



## Drag conveyor belt made from steel.

- Protection of the tyres guaranteed by smooth plastic sidewalls with rounded edges
- Above-ground height of 76 mm reliably prevents the wheel from slipping off the side of the track
- Suitable for tire widths up to 330 mm
- Belt speed infinitely adjustable via frequency converter
- Low-maintenance drag rollers also allow the tyres to rotate in the conveyor belt for more intensive cleaning

# Effective high-pressure technology: Powerful pre-cleaning close up to the vehicle contour.

Efficient high pressure on horizontal as well as front and rear areas of the vehicle.



Contour-tracking



Contour-tracking and linear travel

- Effective high pressure thanks to the rotating high pressure beam that closely follows the vehicle contour
- Maximum performance, especially in the front and rear area with linear-travel high-pressure station
- Pressure levels 16/70 bar

## Underbody wash with high pressure.



- The underbody washer effectively removes salt residues and dirt from the chassis
- 22 flush-mounted water jets clean the underbody and two inclined nozzles facing outwards additionally clean the wheel arches

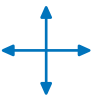
## YOUR ADVANTAGES:

### Optimum adaptation to customer needs and site.

Various high-pressure systems available for every requirement

### Less space required, shorter conveyor belt length.

Thanks to its compact design and effective contour tracking along the vehicle



# Wheel and sill wash: Cleanliness for critical areas.

## Intensive chemical application on wheels.



### Professional rim sprayer.

- Chemical application on rim with 4 rotating spray nozzles
- Fed by HydroMinder with membrane pump for up to 7 gal/min spraying power



### Rims power foamer.

- Foamed chemical application on rim
- Optionally with LED lighting



### Effective high pressure on rims with TurboNozzles.

- TurboNozzles: powerful rotating high-pressure jets up to 2,000 rpm
- Optimal high-pressure coverage of sill and rim area



### Longitudinal wheel and sill washer.

- Cleaning wheels and sills with a single device
- 100% wheel coverage even with large rims by 2.5 m brush system
- Space-saving integration under the roof rollers
- Optionally with high pressure

## YOUR ADVANTAGES:

### Optimum adaptation to customer needs and site.

Various wheel sill washers available for different requirements

### High washing quality even on the rims.

Thanks to optimized interaction of chemicals, high pressure and brush wash



# Brush station: For best washing and drying results.

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## SoftLine² Vario brush station: Modular and flexible for maximum throughput.

- Thanks to the modular Vario concept, the roof and side brushes can be flexibly combined to cater to the requirements of the particular site or customer needs
- Depending on the required conveyor belt speeds, electronically controlled, linear movement paths can be selected for the side brushes from 18 to 49 inches
- The frame construction is hot-dip galvanized and powder-coated or available in stainless steel
- The frame is available in a choice of 18 standard colors; other colors are possible subject to an additional charge



## YOUR ADVANTAGES:

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### High quality and gentle vehicle wash even at high throughput.

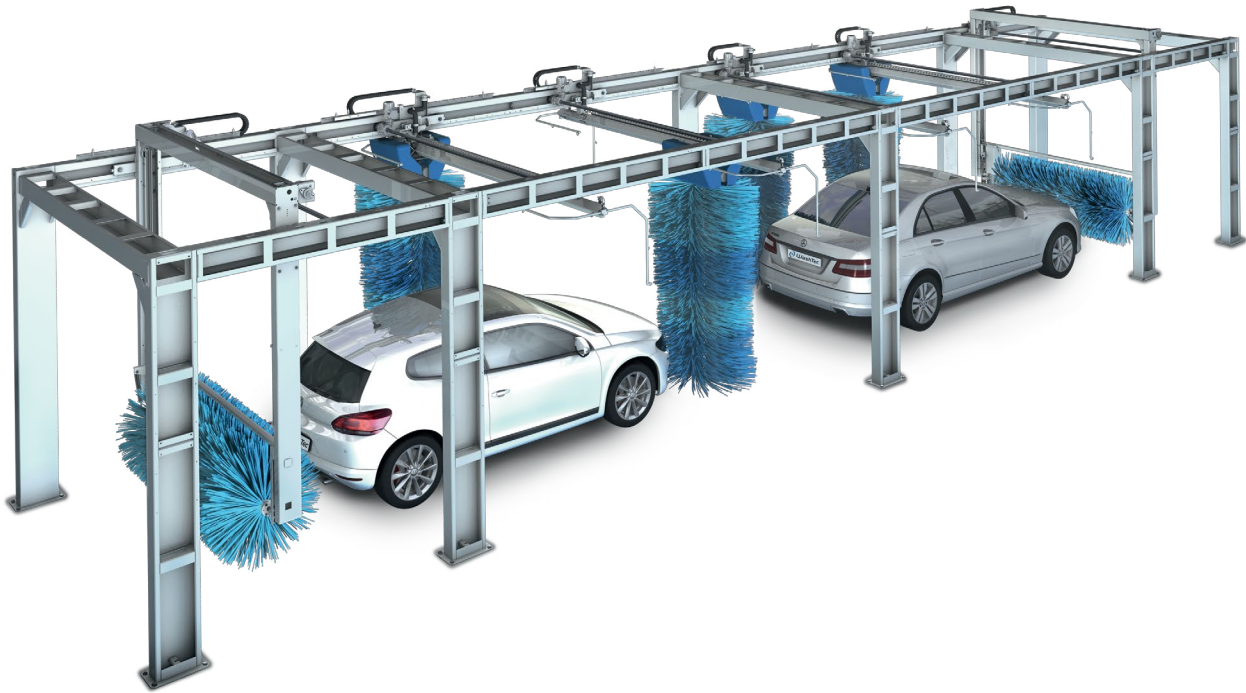
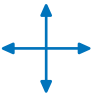
Thanks to systematic implementation of linear technology in the brush station

### Versatile and optimum adaptation to customer needs and site.

Thanks to modular design according to the SoftLine² Vario concept

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### **SLX brush station: For maximum throughput.**

This brush station is designed for speed. The wash sequence uses a new type of concept, whereby the side brushes operate as individual brushes that move independently around the vehicle. This reduces the travel of the side brushes and ensures a quieter process.

## **YOUR ADVANTAGES:**

### **High quality and gentle vehicle wash even at high throughput.**

Thanks to systematic implementation at high belt speed (up to 43 ft/min)

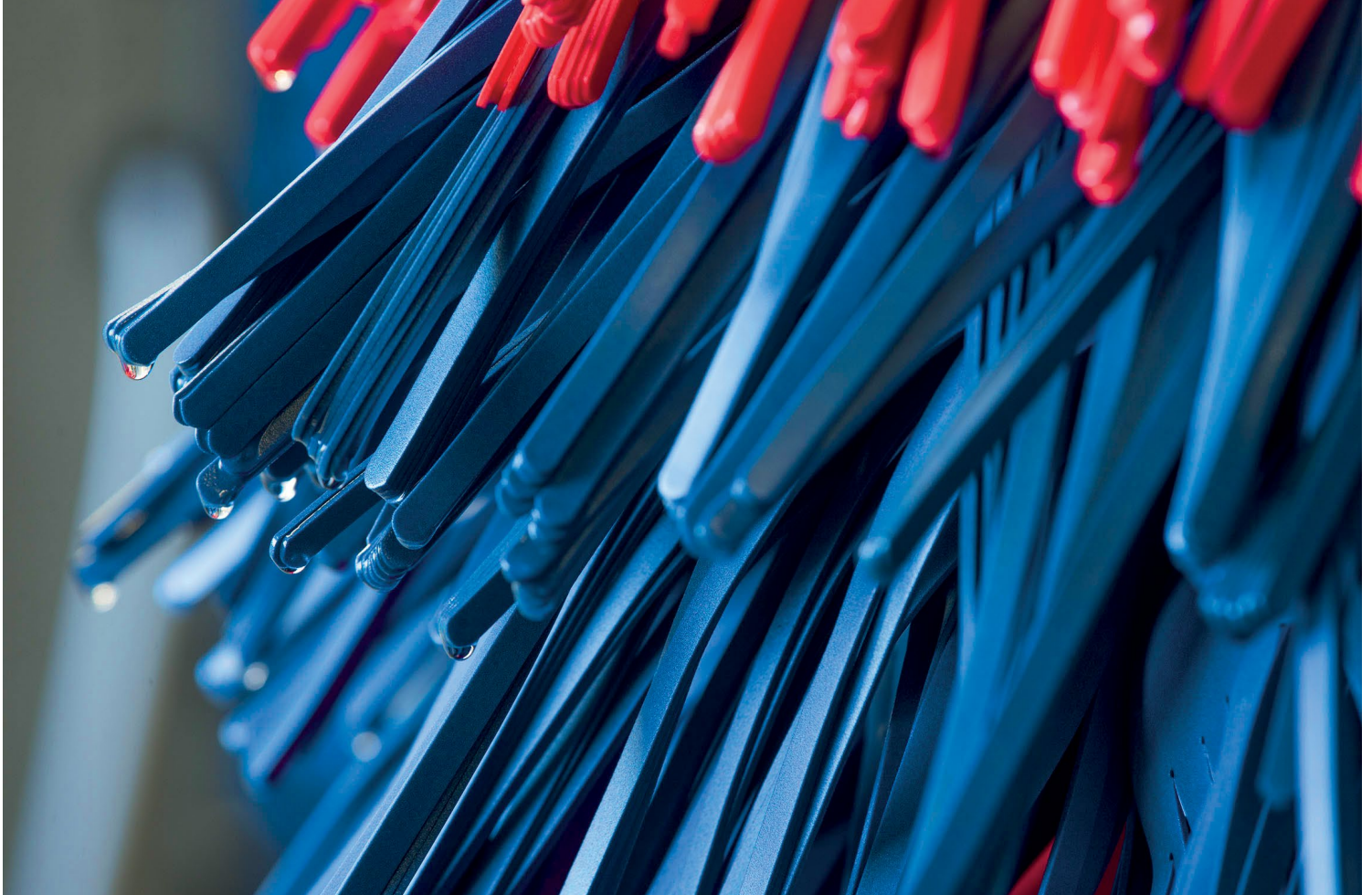
### **Each side brush completely cleans 2 areas of the vehicle.**

### **Complete central overlapping.**

### **No change or rotation necessary.**

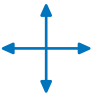


## **Brushes:** The right material for gentle carwashing.



### **SofTecs: Extremely gentle and durable.**

- SofTecs is the right material for a truly gentle way of carwashing. It will increase your repeat business and encourage new customers
- SofTecs keeps car paintwork looking shiny and leaves no signs of deposits on the vehicles
- The washing material is extremely durable
- 90% of all new Mark VII carwashes are delivered with SofTecs



### Care station: Keeps customers coming back.

- A care station gives you the option of extending your program offering with care services
- Having a large number of care and protection programs boosts customer loyalty and, at the same time, can be used to increase the average wash price
- A care station generally consists of one roof brush and two side brushes, which gently massage the care products onto vehicle surfaces

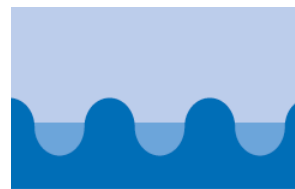


### ShineTecs: Paintwork protection with “repair effect.”

- ShineTecs targets even the tiniest of scratches in the paintwork
- Each application enhances the clear coating, producing a brilliant shine
- Applied regularly, ShineTecs care makes cleaning the car more effective, since water runs off the surface more smoothly and dirt is easier to remove



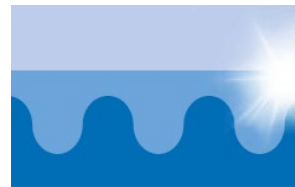
1) In a cross-sectional view, new car paintwork has a smooth surface. A maximum amount of light can reflect, causing the car to gleam.



3) ShineTecs fills in any unevenness in the surface. The colour-neutral acryl-ionic protective layer cures within a few hours and remains on the paintwork with long-lasting effect.



2) During everyday driving, the surfaces pick up microscopically fine indentations. The reflective ability and shine diminish.



4) With each further wash, the new protective layer becomes even thicker. The car's paintwork shines like new again.

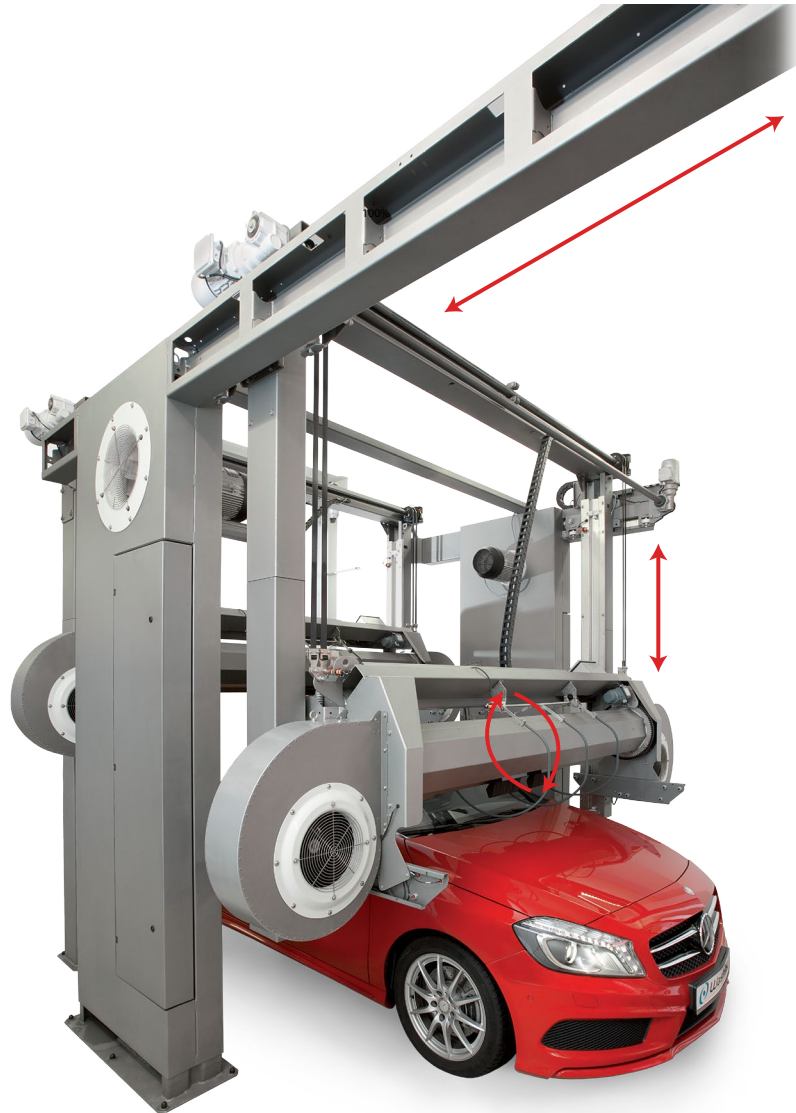
## YOUR ADVANTAGES:

### Improved customer loyalty and higher average prices.

Thanks to additional programs and immediately visible gloss effects

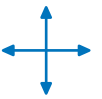


# Linear dryers: Efficient and energy saving.

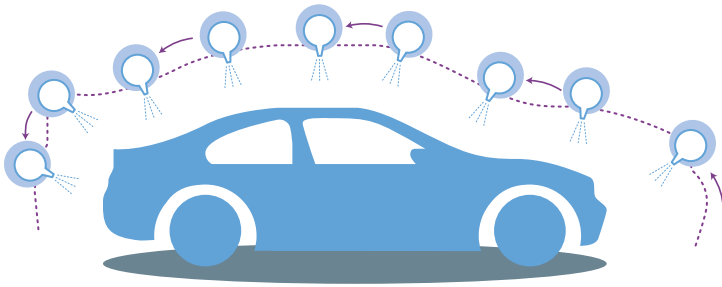


## Linear technology: Optimized drying results.

- Flexible combination of roof and side dryer in “contour tracking” or “contour tracking and linear travel” versions
- The contour tracking of the overhead dryers with a fixed or rotary roof nozzle permits drying close up to vehicles—for optimum drying results
- Up to 40% lower energy consumption compared to systems without contour-tracking linear technology
- The dual-belt lift system with belt breakage monitoring on each side ensures extremely reliable operation



### Maximum efficiency thanks to swivelling roof dryer.

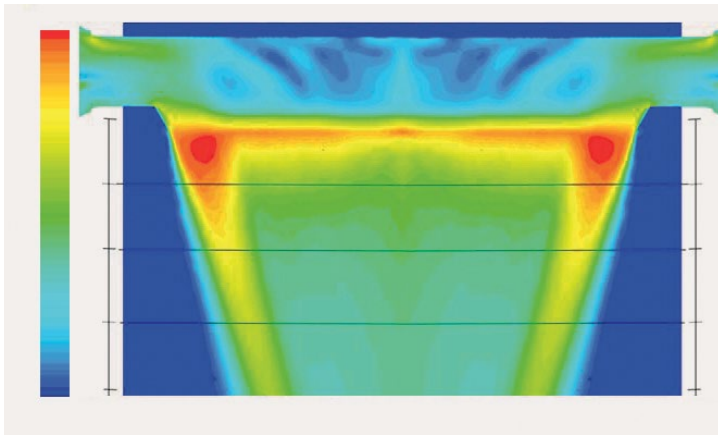


### Swivels 100 degrees

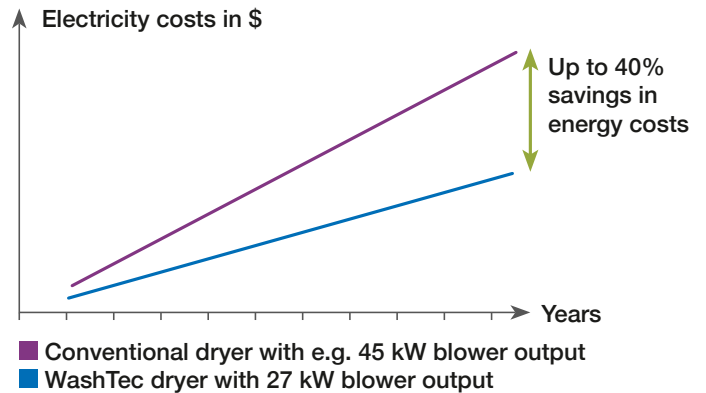


The principle: The roof dryer tracks the respective vehicle contour precisely and close up.

### Integral effect for enhanced side drying by the roof nozzle.



### Highest efficiency for lower energy costs



## YOUR ADVANTAGES:

### Energy-efficient drying, lower operating costs.

Thanks to the roof blower dryer honing in close to the vehicle contour

### Enhanced side drying even on high vehicles.

Integral effect thanks to specially adapted geometry of the roof nozzle

### Enhanced drying in the rear area.

By accelerated movement the roof nozzle in the rear area



# Countdown traffic light: For a safe exit.



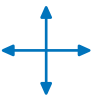
## Countdown traffic light.

- The LED traffic light presented in an attractive stainless steel housing lights up in different colours
- At the end of the washing sequence, the carwash customers are constantly informed about the time remaining in seconds before they should leave the conveyor belt
- This encourages customers to drive away swiftly and reduces the number of conveyor stops due to the collision protection being deployed

## YOUR ADVANTAGES WITH THE COUNTDOWN TRAFFIC LIGHT:

### Fewer conveyor stops, more throughput.

Due to lower risk of collision and timely exit

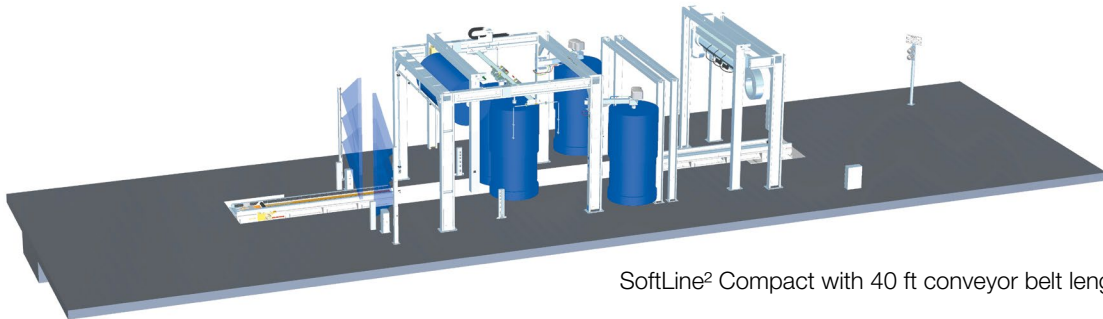
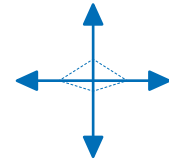


# Customized carwash options: Flexibility for optimal adaption to your carwash business.

## SoftLine<sup>2</sup> Compact

Space-saving solution from 40 ft conveyor belt length

- Suitable for sites with little space and high washing potential
- Cost-effective investment for entering the carwash business

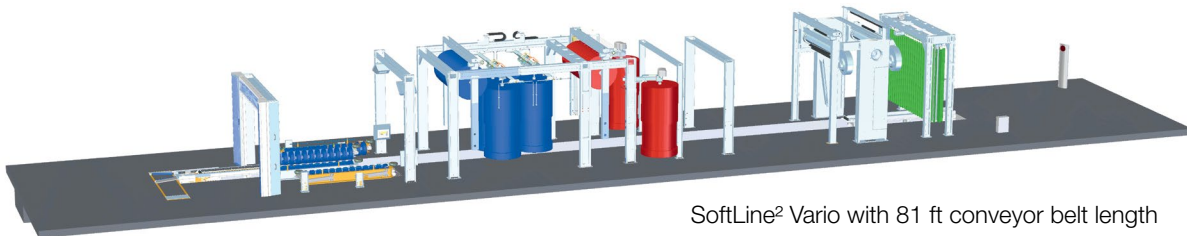
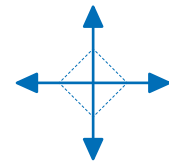


SoftLine<sup>2</sup> Compact with 40 ft conveyor belt length

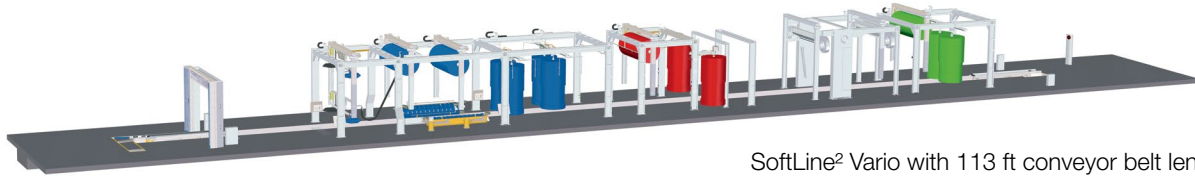
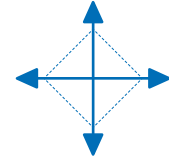
## SoftLine<sup>2</sup> Vario

Modular system for conveyor belt lengths from 52 ft to 131 ft

- Optimal adaptation to your site thanks to modular design
- Systems consistently adapted to the conveyor belt speed



SoftLine<sup>2</sup> Vario with 81 ft conveyor belt length

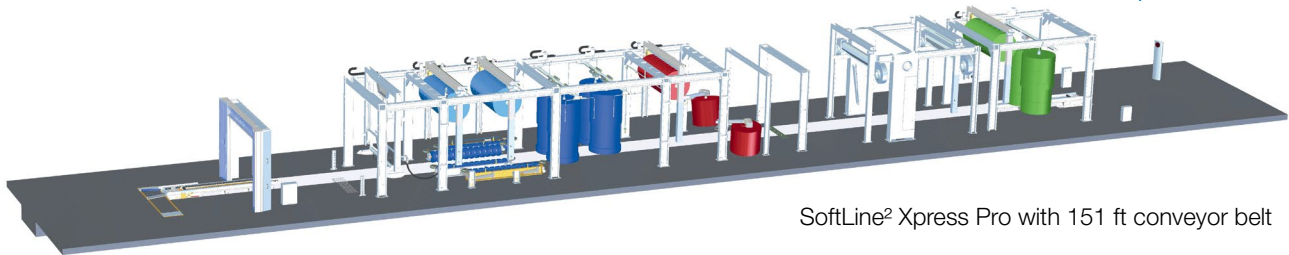
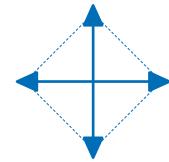


SoftLine<sup>2</sup> Vario with 113 ft conveyor belt length

## SoftLine<sup>2</sup> Xpress Pro

Express system from 138 ft conveyor belt length

- Maximum throughput in conjunction with dual POS system and indoor vacuum stations
- Low personnel requirements thanks to process-optimized chemicals and contour-tracking high pressure



SoftLine<sup>2</sup> Xpress Pro with 151 ft conveyor belt

## YOUR ADVANTAGES:

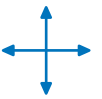
### Maximum flexibility for optimal adaptation and retrofitting at your site.

Thanks to the modular design of the SoftLine<sup>2</sup> systems

### Quick realization of the carwash concept in line with your idea.

With preselected configurations from SoftLine<sup>2</sup> conveyor tunnel systems





# Peripherals and planning: Use Mark VII as a system provider.



## Water Recovery

Increasing freshwater prices and legal regulations make water recovery indispensable. Only a technically perfect water recovery system tuned to the carwash guarantees high washing quality and cost efficiency. For its conveyor tunnel systems, Mark VII is committed to using the extremely robust gravel filter, which affords the ideal capacity and accordingly optimum water quality for all the expansion stages. The FR version with frequency converter also ensures maximum energy efficiency.



## Chemicals

High washing and drying quality can only be achieved with the right use of chemicals. It is not just about the chemical composition. Other factors include dosage, application time, water hardness and viscosity in relation to the compatibility with the dosing pumps. Multidisciplinary expertise is required in order for this interaction to work and be cost-efficient in the conveyor tunnel system. We offer you a broad range of chemicals specially tailored to conveyor tunnel.



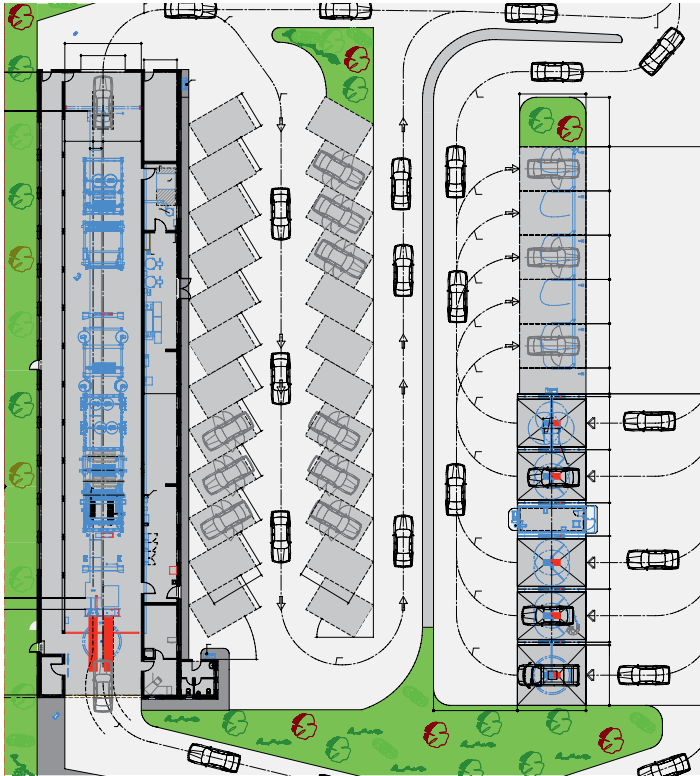
## Self-service Solutions

The addition of self-service stations has proven itself in the design of a carwash center with a conveyor tunnel system. We offer comprehensive solutions from a single source and a broad portfolio of self-service washing technology.



## Self-service Solutions

Providing enough vacuum stations in your carwash center is an important part of the overall concept and increases the washing convenience for your customers. No matter if you utilize individual vacuum stations, central vacuum, indoor or outdoor solution: Benefit from our flexibility and experience in the realization of your vacuum stations.



## Water Recovery

For the successful installation of a conveyor tunnel system it is important to understand how all the trades interact and to keep track of the details. Many factors play a role here: from the best possible floor plan concept to traffic connections through to the correct design and installation of electrical and water connections. With our years of experience in the international arena, we support you in the planning and commissioning of your carwash—for an optimal wash flow and more carwashing business at your site.

### Gravel filter system with fully automatic backwashing

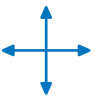
## YOUR ADVANTAGES:

### Maximum utilization of washing potential at your site.

Through years of experience with the planning and commissioning of carwash centers

### One-stop shop.

Interdisciplinary expertise in the associated peripherals—from water conditioning to vacuum cleaners



# Online carwash management: Mark VII Plus.

Check the status of your bays and sites at a glance on the Mark VII Plus dashboard using any computer or mobile device. Drill down to see details about wash counts, revenue, machine status, etc., and receive instant alerts when issues arise.



# Total Carwash Care<sup>®</sup>: Driving Carwash Growth

**Expert Service**

**High Performance Chemical**

**Retail Marketing**

## **SUCCESS PLANS**

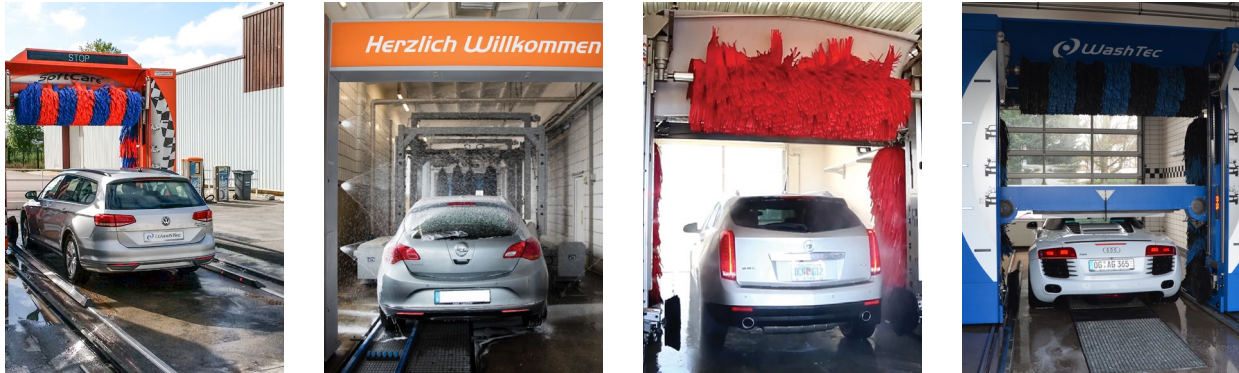
**PriorityPlan<sup>#7</sup>**

- Rapid Response**  
7 Days a Week
- Parts & Labor**  
Included
- Preventive Maintenance**  
Included
- Semi-Annual Seasonal**  
Tune-ups
- EasyPay Chemical Program**
- Marketing & Promotional Package**
- 10% Discount on Chemical Program**

**PreventionPlan<sup>#9</sup>**

- Rapid Response**  
5 Days a Week
- Labor Included**
- Preventive Maintenance**  
6 Times per Year
- EasyPay Chemical Program**
- Marketing & Promotional Package**
- 5% Discount on Chemical Program**

# Carwash means WashTec/Mark VII. Worldwide.



More than **35,000** carwashes worldwide.

WashTec/Mark VII equipment washes **over 2.75 million vehicles a day** around the globe.

Driving carwash growth in over **70** countries.

More than **1,700 employees** help us shape the future of the carwash business, including over **600 service technicians**.

Over **50** years of carwash innovation.

We set the standards in the **carwash business** – and actively push the market forward.

*Focused on providing clean, dry, shiny cars.*

[www.markvii.net](http://www.markvii.net)

