

CUSTOM GRAPHICS AVAILABLE



The Radius comes with a standard graphic package (shown above) or you can create your own. Design your car wash to fit the look and feel of your location.



Touch Free Automatic Vehicle Wash System



SPECIFICATIONS

Building Requirements	Minimum		Recommended	
	Standard	Metric	Standard	Metric
Bay Length 25' (7.6 m) track	27'	8.2m	30'	9.1m
Bay Length 27' (8.3 m) track	29'	8.8m	32'	9.7m
Bay Width	14'	4.3m	15'-6"	4.7m
Bay Height 84" (213 cm)	11'-2"	3.4m	12'-6"	3.8m
Bay Height 90" (229 cm)	11'-8"	3.6m	12'-6"	3.8m

	Minimum	Maximum
Electrical Requirements	208/230V 3 phase, 60 Hz 100 AMPS Plus 120V 1phase, 20 AMPS or 380/415V, 3 Phase, 50 Hz, 45 AMPS	
Recommended Water Supply	25 GPM -reclaim only with Tri-Foam (1" Water Source Optional)	
Air Requirements	3/8 inch ID line -100 PSI - 9 SCFM flow.	120 PSI at 9 SCFM flow.

11600 NW 54th Avenue – Grimes, Iowa, 50111 – Phone: 515-986-3700 – Fax: 515-986-3621
E-mail: sales@ ryko.com – www.ryko.com

Experience Car Wash Excellence





RADIUS FEATURES

The modern and stylish exterior of the Radius touch free vehicle wash system can only be outshined by the performance, quality and numerous revenue-generating features that this touch free wash system possesses. Your customers will be delighted as they leave your wash bay after having experienced what the best in touch free wash systems has to offer. If you desire to have the best touch free wash system on the market today, don't settle for anything less than the Ryko Radius Touch Free Wash System.



- **Exclusive Styling**
- **I-MAXX Cleaning Technology**
- **Open Bay – Extra Large Vehicle Friendly**
- **Smart Arm**
- **Ultrasonic Vehicle Positioning**
- **Stainless Steel Frame**
- **Tape Drive**
- **Halo Rinse**
- **Overhead Boom**
- **Performance Chemical Delivery**
- **Frost Protection Ready**

Pump Stand

The Radius was designed with the understanding that bigger is not always better and some wash bays were built smaller than others.

The Radius easily operates in short wash bays. The pumping system and controls easily fit in small wash bays even if an equipment room isn't available.



Stainless Steel Frame – All framed components of the Radius including machine, wall and floor mounting frames, are made of stainless steel. This is done to ensure that every machine will withstand the most rigorous car wash environment and last for many years to come.



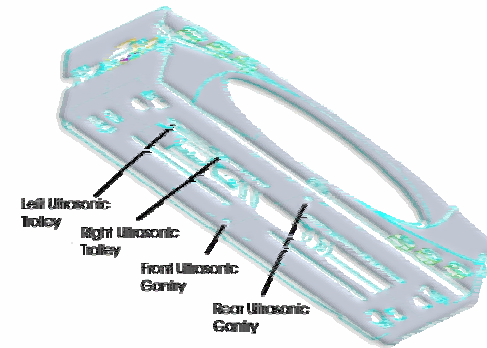
Tape Drive – The Radius is run by a unique polyethylene stainless steel-reinforced tape drive system. The high tech tape drive system is reliable, provides precise machine to vehicle positioning and eliminates slipping, a common problem in some competitive wash systems.



Easy Access Covers – The new Radius Touch Free Wash comes with all new covers. Not only do the covers provide an extremely attractive and modern appearance but are also designed to be highly durable and allow easy access to any part of the machine. In seconds, and with little effort, the covers easily can be swung out of the way to allow quick access.



Ultrasonic Vehicle Positioning – Machine mounted ultrasonic sensors provide the ultimate in open bay design. There is no need for floor mounted treadle plates as the machine-mounted sensors accurately position the wash arm on all sides of the vehicle regardless of the vehicle size.



Custom Message Display Sign – Every Radius comes equipped with the Custom Message Display. The bright LED lit sign provides daylight viewable messages that can be customized or multi-lingual



High Volume Through Put – The Radius is designed to thrive in high volume locations. The I-MAXX Cleaning Technology and Performance Chemical Delivery Systems work in tandem to provide the fastest, highest quality and consistent wash packages in the market





Radius

RADIUS FEATURES

State of the art PLC – As computer and electronic technology continues to rapidly progress, Ryko is continually updating wash equipment in order to provide the most advanced product in the market. The Radius has been fitted with a new PLC that not only has significantly more computing ‘horsepower’ but also provides multiple benefits that every customer will appreciate.



Large Vehicle Sizing – Size doesn't matter to the Radius Touch Free unit, as any size production passenger vehicle will fit into the open bay of this wash system. Hummers and Duallies are always welcome for the highest quality wash without having to worry about width or height restrictions.



No Maintenance Wheel Hubs – All Radius models include close cased ball bearing wheel hubs that are designed to last the lifetime of the machine. These automotive style hubs and wheels are manufactured to ensure that the machine rolls smoothly in either direction throughout the wash cycles.

Options & Accessories

Radius On-Board Dry

The Radius on-board drying system is designed to provide maximum drying power within the minimum of bay spaces. This on-board dry system is an integral part of the Radius machine and travels over the length of the vehicle in unison with the overhead portion of the machine. Three powerful ten horsepower fans on every on-board dry system provide a quick and efficiently dry vehicle. For the ultimate in on-board drying performance an optional fourth fan configuration provides unparalleled drying performance with a combined 40 horsepower of drying power.



Drying Accessories – Ryko offers a wide selection of wash options that work in concert with the Radius. From the industry benchmark Ryko Thrust Pro Dryer to the Slim Line dryer the Ryko dryer options offer the perfect match for your wash site

Rust Inhibitor – Provides undercar protection against rust.

Tire Chemical Sprayer – Excellent feature that provides the customer with clean vehicles

Unique Bay Options – The Radius can fit into almost any bay regardless of the size restrictions. Shorter bays may require the 84" (213cm) height options. Units can be wall mounted by ordering the wall mount option. For longer vehicle needs track extensions are also available.

Diagnostics Pager - The Pager option is designed to notify one or two independent pagers if a problem occurs on the vehicle wash system.

Back Lighting – Available on the Ryko Radius is the ability to have the front oval insert backlit. The backlit option provides a striking visual impact to the consumers and greatly enhances any bay.

Smart Arm – The Smart Arm recognizes when it comes in contact with an object that has gotten into its wash path and will expand the path to try to complete the vehicle wash. If the expanded wash path is still not wide enough to clear the obstruction, the Smart Arm will intelligently decide to stop washing the vehicle. The Radius machine will decide to provide an emergency rinse to ensure that any chemicals on the vehicles surface are removed. The Radius will then reset itself and the Smart arm is ready to begin washing the next vehicle.

Oscillating Wheel and Rocker Panel Blaster – This feature blasts the toughest dirt, and grime off of wheels and rocker panel as the vehicle enters the bay.

Fixed Undercar – As the vehicle enters the wash bay the undercar wash feature powerfully cleans the salt, dirt and debris from the underside of the vehicle

Fixed Undercar with Fixed Wheel and Rocker Panel Blaster – Ryko begins with the fixed undercar feature and adds a rocker panel blaster feature to provide the ultimate clean to the wheel, undercarriage and rocker panels.

3 Segment Instructional Sign – This brightly lit sign provides clear driver instruction on the exterior of the wash

8 Segment Instructional Sign – In bay instruction sign

Jumbo Lighted Sign – Show your customers all you have to offer with a large, lighted jumbo menu display. Large size and bright interior back lighting adds optimum visibility to your site and your product selections

Aqua Saver Option – The Radius Aqua Saver option is designed for a fresh water machine and can effectively reduce your fresh water usage per wash by up to 50% without the use of costly and expensive reclaim tanks. The system is designed to help site owners conserve water and utility costs while still providing superior wash results





Radina



I-MAXX
Cleaning Technology

In the world of Touch Free car washes, powerful water impingement, or the force of water hitting the vehicle, is critical to wash quality. I-MAXX Cleaning Technology provides water impingement at it's maximum and ensures that every vehicle that passes through a Ryko touch free wash site receives the best clean possible

Ryko's exclusive I-MAXX Cleaning Technology uses powerful advanced flow concepts, maximized superior spray pattern designs and high-speed wash passes to achieve the highest standards in vehicle wash quality. If you believe that superior wash quality is a requirement for your car wash business, then insist on I-MAXX Cleaning Technology.

I-MAXX Features

Power Flow - The dedicated powerful flow pump utilized in I-MAXX Technology delivers 2 to 3 times more flow than other competitive pumps. More flow leads to more powerful impingement and greater impingement equals cleaner vehicles.

Superior Spray Patterns - Overlapping spray patterns maximize the impingement on the vehicle surface and provides double pass coverage on the vehicle wash surface each time the wash arm rounds the vehicle.

High Speed Passes - High speed wash passes bring about unsurpassed cleaning results as the powerful advanced flow and overlapping spray patterns provide the maximum impingement on the surface of the vehicle, even during the quickest wash passes.

Reclaim Friendly - Reclaim systems are a welcomed part of any Ryko Radius wash site thanks to the I-MAXX Cleaning Technology design which allows reclaim water to pass through the system without the worry of zero degree nozzle clogging issues.

Utility Cost Friendly - The new Radius Touch Free product combines highly efficient use of both electrical power and water to minimize utility costs and maximize the site owner's profits. The I-MAXX Cleaning Technology reduces water consumption by over 10% verses the previous model (Ryko's US2001 OHD). If further water reduction is desired, the Aqua Saver option can reduce water usage by up to 50%

I-MAXX Cleaning Technology provides the ultimate answer to a site owners maintenance concerns by offering numerous unique features such as:

Dedicated Pumps - Radius Touch Free units are designed to use two separate dedicated pumps. The I-MAXX pump is designed and dedicated to produce powerful water impingement. The Performance Chemical Delivery System has it's own dedicated pump designed for advanced chemical delivery. Each pump works only during its portion of the wash cycle, thus extending the life of these extremely durable pumps.

5 Year Warranty - I-MAXX Cleaning Technology features a unique pump design that is so durable that every pump comes with a standard five-year warranty. The centrifugal design of the pump means that these pumps do not need to be rebuilt every 2-5 years, as may other competitive pumps.

Direct Drive Pumps - There are no belts to replace or to worry about keeping tight as is the case with many other competitor's pumps, I-MAXX Cleaning Technology pumps are 100 % direct drive.

Low Maintenance Nozzles - Don't worry about expensive zero degree nozzles clogging or not oscillating properly and having to be replaced. The Radius with I-MAXX Cleaning Technology uses powerful MEG nozzles that have proven to be long lasting and do not have the internal moving parts which can wear and not function properly.



Performance
Chemical Delivery

Touch free car wash systems depend on the interaction of water with car wash chemicals in order to produce a clean car. With no brushes to contact the surface of the car, the chemical delivery system becomes a main point of focus of the touch free car wash system. Without an effective chemical delivery system, vehicles will simply not come clean. This is why Ryko has developed the Performance Chemical Delivery System.

Performance Chemical Delivery System Features

Dedicated Direct Drive Pump - At the heart of the system lays a dedicated centrifugal pump. This durable direct drive pump is designed to last with minimal or no maintenance.

Halo Rinse Manifold - The Halo Rinse Manifold substantially reduces wash time while increasing throughput by use of a separate overhead rinse manifold.

Metering Tips - Precise control over the amount of each chemical that needs to be sent to the vehicle is no problem for the Performance Chemical Delivery System as metering tips control the process perfectly each and every time

On Board Heat - Heating is no sweat for the On Board Heaters that can be ordered as part of the Delivery System. Whether you choose to have the single or Ryko exclusive dual heaters, you'll get to enjoy the energy saving benefit of having these heaters on board the overhead and close to the point of dispensing.

PROFIT GENERATING OPTIONS INCLUDE:

Surface Sealant Application - This optional feature provides an excellent profit generating opportunity that enhances color and shine on a vehicle. It protects the vehicles surface and glass against corrosives and UV rays and helps extend the surface life of the vehicle.

TriFoam Application - This optional feature is a favorite of everyone as the fun foaming colors always excite the eye of those getting their vehicles washed.

Clear Coat Application - Protect the vehicle surfaces with the use of this application

1 or 2-Step Presoak - Apply one-step presoak as part of the standard package offering or chose to upgrade to the two-step presoak option for the ultimate in clean vehicles.

Wax Conditioner Application - Fast and easy Wax Conditioner Application

Spot Free Rinse Application - No more spots with this Spot Free Rinse Application.



I-MAXX Cleaning Technology vs High Pressure		
	ADVANTAGE	
	HP	I-MAXX Cleaning Technology
Low Maintenance		✓
Extended Pump Warranty		✓
Direct Drive Pumps		✓
Dedicated Pump		✓
Reclaim Friendly		✓
Power Flow		✓
Double Pass Coverage		✓
Water Efficiency	✓	
Impingement Maximized		✓
Wash Quality		✓

*Comparison based upon typical high pressure systems in market