FourWin Brush Type System

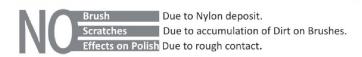
WinNova Pro



KEY FEATURES

Soft Foam Brush Technology

FourWin's WIN'nova uses "Close cell Foam Brushes" which is made up of soft Foam material, that is tough rime but soft on Carpaint & Polish.







Why to use **FOAM BRUSHES?**

Mud. Oil and **Grease Resistant**

It does not hold any dirt or chemical and thus gives perfect cleaning.

Best Polishing Effect

Foam brushes gently and uniformly apply chemicals and make car shine like new.

Very Long Product Life Due to very minimal

wear and tear. It has life cycle of up to *100,000 Cycles.

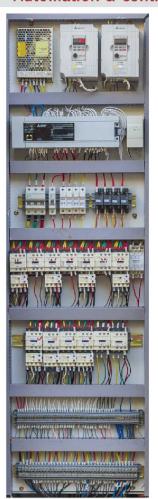
Innovative Brush Assembly Technology

Flexibility to replace, only torn out brushes, without disturbing or replacing the entire brush unit.



Win Nova Pro

Automation & Control



In any rollover car washer malfunctioning of any single device can lead to a damage of property or Human Hazard. Thus perfect automation system is the most essential element to ensure smooth and safe operation of machine.

World Class Design Component from the technology giants from Germany, Japan and other world areas.

Engineering & Design as per ISO/IEC guidelines.

PLC Program is developed and tested by Certified PLC Programmer.

HMI Touch Screen Operating Panel.

From the multitude of options, select washing program that best suits your need.

Run time error and alarms for quick fault identification and troubleshooting.

Count of Vehicle washed till date.

Get everyday washing reports on your mobile through SMS. (Optional)

Structure & Design

Stainless Steel - Critical Components, Anchors & Fasteners. Corrosion Resistant galvanized gantry structure.

Inspection & Testing

Before rolling out in market, every WIN'novaequipment's has to go through a tough quality control check.

Safety

WIN' nova safety logic is designed on a simple philosophy "Use the right tool, for the right job in the right way". 200% Safety Measures at safety critical points (SFP).

Redundant Sensor to avoid any accident due to Sensor malfunctioning.

FOURWIN

- High strength belt with wire rope arrangement, to hold top brush.
 - Emergency trip circuit at dryer assembly to prevent contact between dryer assembly and vehical in any condition.





WIN Nova Flex

Winova flex is a touchless car wash system with profile dryer. High-pressure water jets & contour following dryer gives perfect cleaning.



WIN Nova Twin

Winnova twin is designed for very high washing load workshops. The physical division of washing & drying zones enables very high throughput and one can wash and dry two vehicles simultaneously.



WIN Nova Pro

Winnova pro is one of the most versatile and economical gantries rolls over car washer in India. It is designed for washing facilities with a capacity of 300 to 1500 vehicles a month & it is the perfect business partner for those wishing to start off in the vehicle washing business.

Four Win Single Arm Car Washing System

MODEL - WIN360 - PRO



Technical Specifications	Details
Min. Installation Size Machine (in mm)	7000(L) X 3500(W) X 4000(H)
Power Requirement	3 Phase, AC 380V 22KW 50-60 Hz
Water Consumption	150 Ltr/ Car
Shampoo Consumption	10 ml/Car
Water / Shampoo Nozzle	15 Nozzels
Water Pressure	Up to 22 bar
Material of Construction – Critical Component	Stainless Steel (304)
Control System	Siemens - Switchgear
Pneumatic Air Supply	6 Bar

★ SALIENT FEATURES

- ·Advanced 360° rotating technology.
- ·Easy to install and no maintenance.
- ·Compact design and require less space for install.
- •High pressure wash technology and low water consumption.
- ·Cost effective then regular machine.
- •Sensor based operation which include human errors and improve overall performance.
- ·Washing time is less than 3 minutes.

Under Chassis Wash system



Fourwin Under chassis is the most economical vehicle washing system as there is no any requirement of manpower

360° Rotating Arm



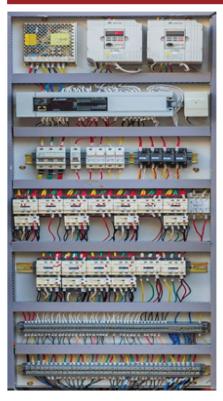
With the advanced 360° rotating and high pressure washing technology, It can clean every nook and corner of the vehicle.

Profile Dryer



Fourwin's WIN360° PRO profile dryer option performs the exclusive drying service that takes no additional time for drying. With the advanced technology it can wash and dry in a single operation.

AUTOMATION AND CONTROL



WIN360° PRO is developed after many years of R&D and it is the most advanced technology in car washing system. It is integrated with best and world class component from Germany, Japan and other world area. HMI(Siemens or equivalent) Touch Screen operating panel for smooth running. World class sensor (Pepperl & Fuchs or equivalent) for a safe operation.

WIN360 - PRO



WIN360° PRO is incorporated with ACP/FRP booth which enhance the beauty of car wash system and gives a elegant look to entire washing space. It looks very professional and of international standards. It stops the water spilling out of car wash system thus helping in keeping near by area clean and dry.

WIN360 - FLEX



SALIENT FEATURES

- WIN360° FLEX is uniquely design for washing and drying in single operation. It is formulate and design with a capacity of 300 to 1200 vehicles a month.
- High pressure water wash and profile following dryer gives a perfect cleaning and shining vehicle in just 7 mins.

MODEL: WIN360° - STRUCTURE MOUNTED SYSTEM



Customer Scope - Structure Legs & guide rail

MODEL: WIN360° - ROOF MOUNTED SYSTEM



Customer Scope - Roof suspended bracket & Guide ra

MODEL: WIN360° -WALL MOUNTED SYSTEM



Customer Scope – Wall mounting bracket & guide rail

Automatic Touch-less Car Washing System

MODEL: WINWASH



Technical Specifications	Details
Material of Construction	Stainless Steel (304)
Water Nozzle Quantity	12(Top) + 18 (UB) - 30
Shampoo Nozzle Quantity	14
Water Consumption	120 Ltr / Car
Electricity Consumption	0.2 Units
Space Required (mm)	3200(W) X 3500(H) X 7000(L)
Pump Type & Capacity	Centrifugal Multistage Pump (7.5 HP)
Water Pressure	22 - 24 Bar

+ SALIENT FEATURES

- · More productivity due to less time.
- · Reduces electricity, manpower and water consumption.
- · Automatic shampoo & wax and high pressure water wash technology improves washing quality.
 - · Concurrently wash under chassis to save time.
 - · Corrosion resistance (Stainless Steel 304) structure
 - · Easy to install and totally maintenance free.
 - · Express 3 min washing technology.
 - 100% customer satisfaction and improvement in CSI index.

Key Features



Under Chassis Wash

FourWin Under Chassis
Wash is the unsung hero
of Vehicle Washing
Industry. Strategically
placed 18 Nozzles clean
underbody in just 40sec &
slides under chassis. It
does not affect alignment
and with it's Programmed
Length detection reduces
electricity, manpower &
water consumption.



Top Washing System

Fourwin top washing system can reduce electricity, manpower and water consumption.
Strategically placed 12 nozzles clean top body in just 72 secs and comes with a Corrosionresistance (Stainless Steel – 304) structure providing minimal rusting or wear & tear issues.



High Pressure Pre Wash & Shampoo

Fourwin, experts in
Touchless Car Washers,
have designed the Pre
Wash Cycle of
WIN'Wash-C, to
remove stubborn dirt &
grime. The shampoo is
spread uniformly across
the surface of any car &
cleans every nook and
corner of the vehicle
giving you a clean and
shining car.

Fourwin Twin Car Wash System

MODEL: WINWASH - TWIN



→ SALIENT FEATURES

- WINWASH TWIN is design for very high washing load w workshops. With the technology, we can wash two vehicle simultaneously with one man power.
- It is very easy to operate as through one control panel, we can control both the system.
- It is a compact design which saves a lot of space and very much cost effective.
- Negligible maintenance as the system design is very simple and sophisticated.
- It is design for washing facilities with a capacity of 150 plus car every day.

Fourwin Car Dryer System



+SALIENT FEATURES

- Space required 1500(L) X 3500(W) X 4000(H) approx.
- Dries vehicles in less than 2 Minutes.
- Specially designed hoods covers entire shape of the car.
- Noise arrestor provided around the blower to reduce noise.
- Blower manufactured in FRP material to reduce weight.
- Easy to install and less maintenance.
- · Automatic drying with quality result.
- · Achieves up to 90% drying.
- Suitable for all type of vehicles.

Fourwin Movable Dryer

+SALIENT FEATURES

- Space Required (mm) 6000(L) X 3500 (W) X 4000(H)
 - Rail Length :- 6m
 - Time required/Vehicle 4 Mins max
 - Enlarged nozzle heads create an integral effect in the air flow, improving drying of vehicle sides this is expedient especially for high vehicles.
 - Improved side drying even for tall vehicles(integral effect optimises the air flow of the roof to side zones of the car).
- Special S4-duty cycle motor being used (compatible and suitable for frequent ON/OFF of motor per hour).
- Infrared through beam sensor being used for vehicle detection & Ring sensors being used for more safety.
 - · Achieves up to 90% drying.



FourWin ETP - System

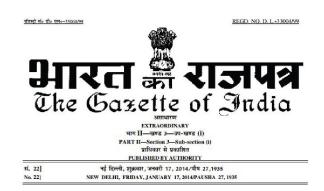


MODEL: WINRECYC

Technical Specification

- Upto 80% waste water recovery.
- · Manpower less operation.
- · Less chemical used.
- · Smart operation PLC based
- · Low cost of operation.
- · Minimum civil space required.
- Satisfy the state regulatory parameters.
- Water can be use for washing vehicle.

	WINRECYC		
ETP PARTICULARS	STANDARD	SMART	EXPERT
ETP Operation	Semi Auto	Auto	Auto
PSF ACF Oil skimmer	YES	YES	YES
MCF & Bag filter	YES	YES	NO
Auto MPV	NO	YES	YES
Auto chemical dosing- alum	NO	YES	YES
Tube settler tank	NO	NO	YES
Auto backwash	NO	YES	YES
Sludge disposal pump	NO	NO	YES
Energy meter & Water meter	NO	YES	YES
Compact design	YES	YES	YES
Skid Mounting	YES	YES	YES
Membrane technology	NO	NO	YES
Ozonator for disinfection	YES	YES	YES
Process Type	Continuous	Continuous	Continuous



COMPLY POLLUTION CONTROL BOARD NORMS (as on 5 Dec. 2018)

Parameters	Standard (in mg/l except for pH)
Total Suspended Solids (TSS)	50
Chemical Oxygen Demand (COD)	150
Oil & Grease	10
рН	6.5 to 8.5

Customer Scope:

- · Construction of civil tanks as per given drawing.
 - Provide power supply and air supply.
- Treated water transfer and storage arrangements.
- Water testing before installing ETP & after installing ETP will be in customer's scope.

FourWin Water Softener

MODEL: WinSoft



Your Beloved Car needs a Soft Touch... Do not sink its beauty by washing it with Hard Water

Technical Specifications	Details
Water Output	500/1000/1500/2000/3000 LPH
Power	2.5 kW*
Electricity Supply	3Ph, 415V, 50Hz
Dimension (L X W X H)	800 X 600 X 2000 mm
Salt Rejection	98%

KEY FEATURES -

1. CAR CARE:

Soft water offers best cleaning results. No issues of paint damage, water marks and white spots on vehicle. WinSoft removes hardness level and make it less then 50 mg/l.

2. AUTOMATIC OPERATION:

WinSoft is a automatic Self-maintaining system that does timely regeneration of resin without any manual interventation.

3. SUPER QUICK AND SUPER EFFICIENT:

WinSoft is the most efficient water softener of its kind. It provides 100% water output without any wastage in the process. Fresh water is only required for regeneration.

4. COMPACT AND EASY:

Compact and skid mounted design make it fits easily anywhere.

FourWin Mat Cleaner

MODEL: Win-MC







Technical Specifications	Details
Material of Construction	Stainless Steel (304)
Mat Type	Plastic, Rubber, Cloth , etc
Mat Thickness & Width (mm)	10 mm Width- 800 mm
Drying Motor	1 HP, 3 ph , 415 V
Power Supply	3 Ph , 415 V +/- 10% , 50 HZ
Weight	154 Kg
Washing time	11 sec

+ SALIENT FEATURES

- Fully automatic, easy operation and maintenance free.
- · Washing, cleaning and drying each in one go.
- Quick cleaning @11 sec, consumption of water & electricity is less.
- · Suitable for all type of mat.
- · Professional way to clean your mat.
- Portable and easy to move to any convenient location.

Fourwin Manual High Pressure Washer



MODEL : WinHPW160		
Technical Specifications	Details	
Pressure & Output	160 Bar @12 Ltr per Minute	
Attachment	Trigger Gun – Quick Connect Type with 10 Mtr Hose	
Connected Load	70 -80 Ltr/ Car	
Technology	Crank Shaft Technology	
Piston Type	Single Piece Ceramic Piston Assembly	
Trolley Type	Easy to move & assemble	

+SALIENT FEATURES

- 10 Meter fibre braided high pressure rubber housing.
- Pressure regulation device is available.
- Easy to move to any convenient location.
- · Requires Less Space.
- · Easy operation & maintenance.
- · Over load & Leakage Protected.

FourWin Steam Washer



MODEL : WINSW-D		
Technical Specifications	Details	
Flow	12-ultra/hr.	
Pressure	12-30Ltr/hr	
Temperature	160° - 200°C	
Diesel Consumption	1.5 - 2Ltr/hr.	
Diesel Tank	13 L	
Water Tank	30 L	
Power Supply	110-240V / 50-60Hz	
Hose	10Mtr	
Weight	85Kg	

→ SALIENT FEATURES

Durable designed as per industrial standards | Fume free, safe & environmental friendly | Strict circuit protection | No electrical shock hazard | Brushless motor is more power efficiency | Power saving, 1.8A DC, 0.8A AC | Diesel saving, consumption only 1.5-2.0 L/hr. | Low noise during working

Compressor

Technical Specifications	Details
2HP - Single Phase Motor	90/180 Ltr Capacity
3HP - Single Phase Motor	90/180 Ltr Capacity
5HP - Three Phase Motor	180/220/280 Ltr Capacity
7.5HP - Three Phase Motor	220/280/500 Ltr Capacity
10HP - Three Phase Motor	220/280/500 Ltr Capacity
15HP - Three Phase Motor	500Ltr Capacity



Make : Anest IWATA



Make : IR

- · Significant savings in power consumption
- · Very less noise and vibration levels
- · Very less oil carries over
- Tried and tested in extreme Indian tropical conditions

FOURWIN LANCE WASHER



Technical Specification -

- Suitable for rural outlet
- · Can be installed at zero level
- · No Civil work required
- Underbody
- · Very economical & affordable

Vacuum Cleaner



Available in 20Ltr & 40Ltr





Available in 40Ltr & 60Ltr

MODEL: WINVC40/1 - 40Ltr

Technical Specifications	Details
No. of motor	1No
Volt	220/400
Cooling	Bypass
P (w)	1200
Air flow (M3/H)	215
Total tank capacity (Ltr)	20Ltr
Weight	8 Kgs

Standard Accessories:

5Mtr Hose pipe | 3 Tools | Trolley | Cloth filter bag

FEATURES

- Capacity 20/40/70 Ltr in single, double & triple motor
- Professional construction.
- Both wet & dry applications.
- For better performance 2 By pass type vacuum motors enabled.
- Load withstanding castors for easy maneuverability @360° swiveling,
- Trolley for easy transportation.
- Tipping facility for effortless emptying of container.
- Accessories for various applications
- Cobweb dusting,
- Grooves/edges vacuuming,
- Drapery/curtain vacuuming,
- Wet tool for collecting liquids,
- Brush nozzle for fine dust vacuuming.

Vacuum Cleaner - 70 Ltr / MODEL: WINVC60/2

Technical Specifications	Details
No. of motor	2No
Volt	220/400
Cooling	Bypass
P (w)	1200
Air flow (M3/H)	215
Total tank capacity (Ltr)	60Ltr
Weight	12Kgs

Standard Accessories:

- 1. 5Mtr Hose pipe
 - 2.3 Tools
 - 3. Trolley
- 4. Cloth filter bag



Vacuum Cleaner



Vacuum Cleaner - 70 Ltr / MODEL: WINVC70/3

Technical Specifications	Details
No. of motor	3Nos
Volt	220/400
Cooling	Bypass
P (w)	1200
Air flow (M3/H)	215
Total tank capacity (Ltr)	70Ltr
Weight	Kgs

Standard Accessories:

- 1. 5Mtr Hose pipe
 - 2. 3 Tools
 - 3. Trolley
- 4. Cloth filter bag

Fourwin Industrial Vacuum Cleaner

PARAMETERS	MODELS		
	VC-3HP-SC	VC-5HP-SC	VC-7.5HP-SC
Tension	3 Ph / 415 V / 50 Hz	3 Ph / 415 V / 50 Hz	3 Ph / 415 V / 50 Hz
Power	3 HP (2.2 kW)	5 HP (3.7 kW)	7.5 HP (5.5 kW)
Max. Vacuum rate (mm.wg)	3000	3200	4000
Max. Air flow (Cubic Mtr./hr)	350	550	600
Filter type	Non Woven Polyester	Non Woven Polyester	Non Woven Polyester
Filter surface (pocket filter) cm.sq	25,000	30,000	30,000
Filter efficiency	>3 micron	>3 micron	>3 micron
Tank Capacity (Ltr) with SS 304 Material	40	100	100
Suction inlet (mm)	50	50	50
Protection	IP 55	IP 55	IP 55
Noise level db(A)	72	75	75
Dimensions (L x W x H) cm	107 x 74 x 107	112 x 76 x 139	112 x 76 x 139
Weight (Kg)	100	125	125





Floor Cleaner

Technical Specifications	Details
Brush Motor	24V/550 W
Brush Diameter	510 mm
Suction Motor	24V/480 W
Solution Tank	50 Ltr
Maximum Efficiency	2520 m2/h
Working Speed	200 rpm
Weight	85 Kg

Standard Accessories:

- 1. 5Mtr Hose pipe
 - 2. 3 Tools
 - 3. Trolley
- 4. Cloth filter bag

Consumables

Fourwin Bio Shampoo

→ SALIENT FEATURES

- Cost effective, user friendly & efficient removes excessive dirt, grime & other harmful pollutants.
- Prepared wit h a combination of wax & polishing materials with pH balance levels (like water) & has dilution ratio of 1:90 (High)
- Can be used to treat all kinds of car paints and protect against ultra violet rays, pollution & extreme weather,



Fourwin Dashboard Polish

+SALIENT FEATURES

- · Available in various container sizes. Requirement per car is just 20 ml.
- It retains breathability and also repels dust.
- Effectively restores gloss look to plastic, vinyl and rubber surfaces (dashboards, door panels, trims).
- It features UV defence; which helps to protect surfaces from fading, cracking & damage caused by UV rays.

Fourwin Tyre Polish

→ SALIENT FEATURES

- · Long lasting, rich and deep shine.
- Increase tyre life and nourishes the rubber surface.
 - Available in various containers with requirement per car being just 20 ml.
 - Maintains and protects rubber and tires against cracking colour & against fading.



Fourwin All Purpose Cleaner



APPLICATION & SALIENT FEATURES

- Good for all interior components, Gives instant shine that is long lasting
- Roof, upholstery, vinyl surfaces, carpets, plas tics, seats & even leather can be polished.
- Available in various containers and has dilution ratio of 1 ltr (water) : 20ml (apc).
- •The active foaming action lifts dirt from vehicle surfaces and gives them a shiny look.

Fourwin Microfibre Cloths

SALIENT FEATURES

High water absorption, soft and comfortable.
Easy to clean and quick dry functionality.
Strong dust removing ability and can be used for multiple purposes (cleaning, drying, polish and wax)
No bad smells or stink.



Fourwin 3 In 1 Dresser

Before

→ SALIENT FEATURES & APPLICATIONS

- It protects car underbody metal parts and infiltrates the areas of rust in a short time.
- Long lasting (up to 3 yrs) and can be used for all underbody parts excluding fibre & silencer parts.
- This antirust coating needs to be applied with a spray gun. The spraying of this product has to be even & properly layered.

Fourwin Glass Cleaner

+ SALIENT FEATURES

- · Effective Removal Of Oil Films And Dusts From Car Windows.
 - · No Water Marks Left and makes the Glass Bright As New.
 - · Professional Glass Cleaner, Suitable For All Glassware.
 - Available In various Containers & has a Dilution Ratio Of 1Ltr (Water): 25Ml (Glass Cleaner).



Fourwin All In One Dresser-wax



+ SALIENT FEATURES & APPLICATIONS

- · Restores shine, gloss & gives a non-greasy finish
- It can be used both on the interior as well as exterior like bumpers, headlights, grills, wheels, etc & it also ensures a non-greasy finish along with a sparkling shine that lasts a longer period.
- Available in various containers and has dilution ratio of 1:1.

Lustra

Lustra is a global leader in car wash chemical solutions and has evolved from the core strengths and foundation of CSI.

→ Salient Features

- Specially formulated to suit typical Indian conditions with a unique formula to successfully combat hard water resistivity.
 - Available in various containers with dilution ratio very high (i.e 1:300).
 - · Maintains quality performance even with hard water usage.
 - Very good cleaning appearance due to high lather foam. No soap left on car and long lasting.
 - · Reduces cloth friction and keeps cloth and lines clean.





For over 10 years, Treo Engineering Pvt.Ltd has been a pioneer in the field of touchless car wash system, with a vision to Fourwin is totally committed in bringing the most advanced, latest and best equipment that facilitate handling of the new generation automobiles in India, which are approved and recommended by the all the major OEMs.

Now We are diversifying into garage equipment industry, Fourwin provides customers with the world's best equipment in wheel aligners, wheel balancers, Hydraulic Lift, Hydraulic power pack, Pneumatic Hanger, Battery charger, Multimeter, Tools trolley etc from the India's leading brands. To oversee customer support and provide speedy resolutions, we have a dedicated Customer Service Cell. Suffice to say, Fourwin assures you one thing - "Latest Technology, Local Support".

Hydraulic Scissor Lift With Power Coated Top And Checked In Centre With Side Beading



Technical Specifications	Details
Min. Height	170 mm
Max. Height	190 mm
Length	1950 mm
Cylinder	50 Bore, 350 Stroke
Top Sheet	3 MM MS
Finish	Power Coated with front wheel clamping vice
Colour	As per your requirement

Hydraulic Power Pack 1:2 With 1Hp Motor & Manual Pump



Standard Power – Pack, Upto 4 Ramps which can be operated 1 Phase

Customized Tools Trolley



Technical Specifications	Details
Height	2300 mm
Width	800 mm
No of Drawers	5 (4+1)
Wheel 4"	2 Nos with brake and 2 Nos without brake
Silencer Hanger	1 no (LH side)
Tyre Holding Stand	1 No (RH side)
Job Car Holder	1 No
LED Light	1 No
3 mm Rubber Mat on top	1 no
Vertical Panel Board	Special Type with trolley

Customized Tools Trolley Comprising Of:

- Keeping Wheel on stand, Grease can, Silencer ETC.
- 2. Special Tools Boarder
- 3. Top platform as Work Bench
- 4. Drawers For Spl / general Tools with One Open Shelve.
- 5. Tools Board
- 6. Dust Bin at Bottom
- 7. Job Card Holder
- 8. Illuminated Top with LED
- 9. Tools Insert in Drawers

Pneumatic Hanger – Swirl Type With Built-In Pneumatic Line & FR





Over Hanging System, (For 2 Ramps) Only Structure Frame, With Pneumatic Fittings (P.U Connectors) With Two Hose Reels 8X12 And 5X10, 5 Mtrs.

Impact Wrench 3/8"

Impact Socket (Goti) Set

FRL Set





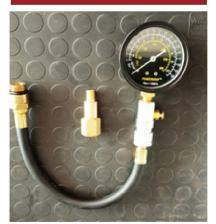


Bench Vice

Compressor Gauge

Torque Wrench (Small) 0.5 to 3.5







Multimeter

Tachometer

Battery Charger





