



Certified with



Smart Engineering
With Innovative



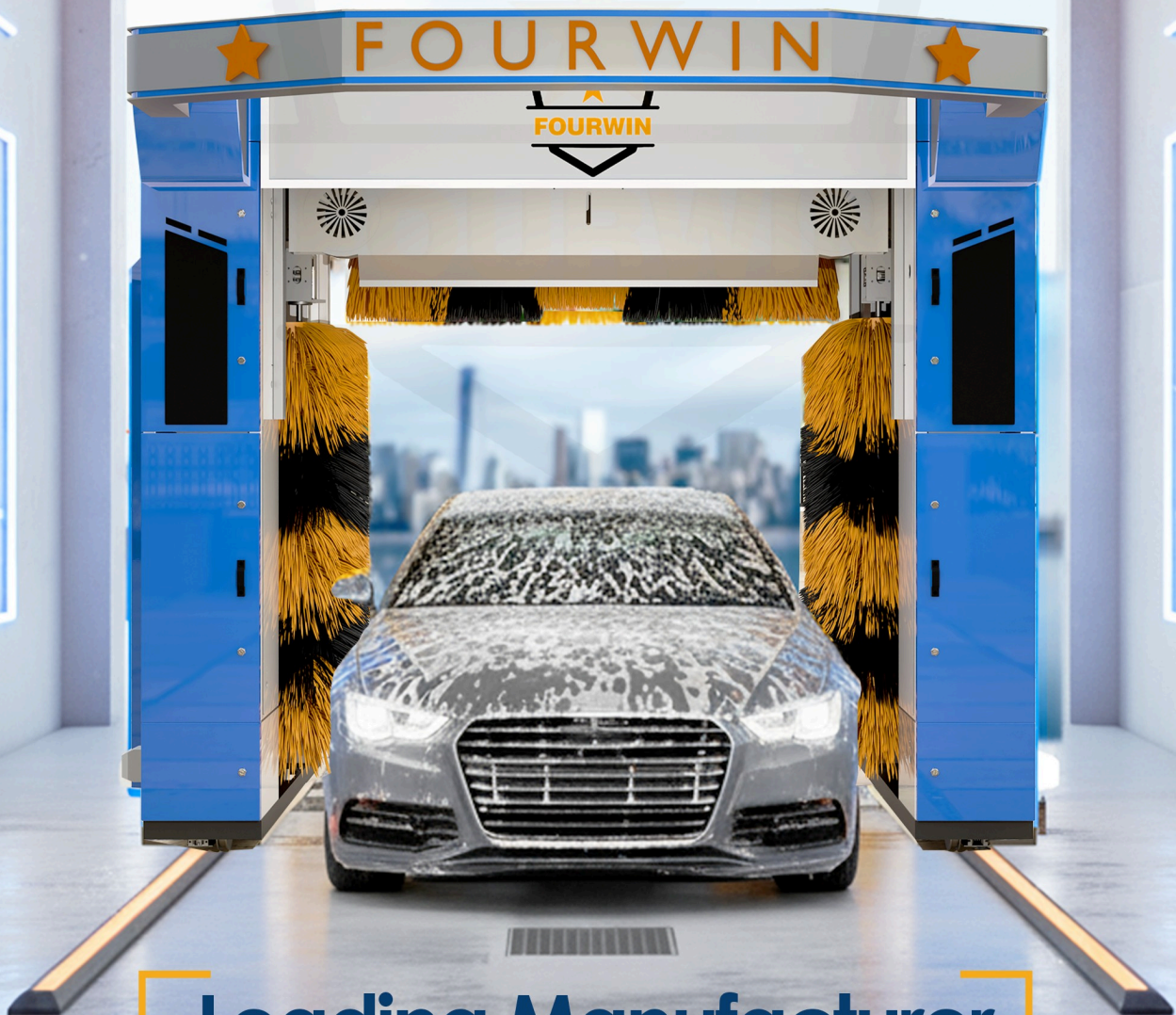
Technology Designed
For Growth



Empowering with
End to End Solutions



Trusted Nationwide,
Preferred Worldwide



Leading Manufacturer
Global Exporter
Trusted Indian Brand

for Automatic Vehicle Wash & Service Equipment

Company Overview

Treo Engineering Pvt. Ltd. stands at the forefront of India's automotive cleaning revolution with its flagship brand "FourWin", renowned for pioneering touchless robotic car wash systems and sustainable cleaning technologies.

Since our inception in 2009, we have remained steadfast in our commitment to transforming traditional vehicle washing through innovation, efficiency, and eco-conscious design.

Headquartered in Pune, Maharashtra, Treo Engineering operate a cutting-edge ISO-certified manufacturing facility, fully equipped to conceptualize, engineer, and deliver a complete range of automated washing and water treatment solutions. Our systems are proudly Made in India, tailored for performance and built to exceed industry expectations in terms of quality, durability, and cost-effectiveness.

Today, FourWin is a trusted partner to over 6,500 installations across India, serving an elite clientele that includes service centres and showrooms of leading automotive brands such as Maruti Suzuki, Tata Motors, Hyundai, Kia, MG Motors, Mahindra & Mahindra, Toyota, Renault, Citroen, Honda, Nissan, Jeep, and two-wheeler leaders like TVS, Hero, Bajaj, Yamaha, Honda and Royal Enfield, among others.

With over 500 systems delivered annually, Treo Engineering continue to set benchmarks in reliability, ease of use, and sustainability. Our presence is rapidly expanding beyond Indian borders, successful installations and partnerships in Nepal, Bangladesh, Sri Lanka, Saudi Arabia, Qatar, Georgia, and UAE.

Driven by a clear vision to democratize access to smart, resource-efficient vehicle wash systems, Treo Engineering is not just a manufacturer – We are a long-term solutions partner for clean and sustainable mobility.

**FourWin is an Ideal Partner of choice
for Global & Indian Auto OEM.**

Our Mission & Vision

**"MAKE AUTOMOBILE
CLEANING AND DETAILING SERVICES,
AN PROFITABLE AND SUSTAINABLE BUSINESS,
BY OFFERING **INNOVATIVE, AFFORDABLE** AND
ECOFRIENDLY PRODUCTS AND SERVICES"**



Our Mission

To lead the transformation of the service automation industry by delivering safe, progressive, and intelligent solutions that redefine operational excellence.

We are driven by an unwavering commitment to quality, innovation, and sustainability, creating lasting value for our customers and establishing ourselves as a trusted, forward-thinking partner across industries.

Our Vision

To develop and deliver the most innovative, automated, and safety-focused engineering solutions that go beyond customer expectations.

We aim to design dynamic systems that enhance performance, ensure operational excellence, and consistently delight customers through every interaction.

FourWin AT Glance

6500+ Installations **25+** Products

1700+ Clients **23+** 4W Auto OEM **8+** 2W Auto OEM

29 States Present **5** Union Territories **6+** Countries **7** Tyre Manufacturers

India's **#1** Touchless Auto Washer



Advanced
Manufacturing Unit
Large production capacity



Inhouse Team
Concept to
Creation



Customized
Products Market
Share # 60%



OEM
Approvals



Most Trusted Brand
Quality range of products
Retention @95%



Monitored quality
control process Ne
Products # 20% of
Turnover



Pan India
Competent
workforce



CAGR #40%



FourWin Range of Equipment

FourWin Automatic Full Car Wash System



Product Overview

◆ System Description

The FourWin Automatic Full Car Wash System is a high-speed, fully automated solution for efficient and consistent vehicle cleaning. Made in India, it delivers complete exterior washes for fuel stations, dealerships, service centres, and commercial garages. From pre-soak to foam and high-pressure rinse, it ensures a spotless, scratch-free finish while saving time and manpower.

◆ Key Features

- SS 304 Build – Long-lasting & rust-proof.
- 14+14 Top Wash Nozzles & 20 Underbody Nozzles – Powerful shampoo & rinse with Deep clean underneath.
- Maintenance-Free Pump – Consistent performance.
- High Throughput & Low Resource Use – More cars, less time & Saves water & power.
- Automated Process – Minimal labour.

FourWin Automatic Twin Full Car Wash System



Product Overview

◆ System Description

The **FourWin Automatic Twin Full Car Wash System** is a high-speed, fully automated solution for efficient and consistent vehicle cleaning. Parallel setup boosts vehicle throughput, cuts waiting times, and maximizes efficiency. It delivers faster, thorough cleaning for various vehicle types, reduces labor costs, ensures continuous operation during maintenance, and enhances customer satisfaction—driving loyalty and attracting more business.

◆ Key Features

- SS 304 Build – Long-lasting & rust-proof.
- 14+14 Top Wash Nozzles & 20 Underbody Nozzles – Powerful Shampoo & rinse with Deep clean underneath.
- Maintenance-Free Pump – Consistent performance.
- High Throughput & Low Resource Use – More cars, less time & Saves water & power.
- Automated Process – Minimal labour.

FourWin Automatic Underbody Car Wash System

Product Overview

◆ System Description

The **FourWin Underbody Wash System** is an automated, high-pressure cleaning unit designed to thoroughly clean the underside of vehicles — removing dust, mud, oil, and chemical build-up. It can be operated manually or automatically and is ideal for car wash bays, service centres, and fleet maintenance facilities.

◆ Key Features

- **Durable & Reliable:** Built with SS-304 stainless steel and a maintenance-free multistage pump for long-lasting performance.
- **Powerful Cleaning:** 20 precision nozzles deliver 24 Bar high-pressure jets ensuring 360° underbody coverage.
- **Fast Operation:** Completes a full wash cycle in just 48 seconds, increasing daily vehicle throughput.
- **Smart & Safe Control:** Auto/manual modes, indicator lights, overload protection ensure smooth & safe operation.
- **Eco & Cost Efficient:** Optimized water use, low power consumption, and reduced labour for higher ROI.



FourWin Automatic Brush Type Car Wash System

Product Overview

◆ System Description

FourWin Brush Type Car Wash System

– Delivers fast, gentle, and scratch-free cleaning with durable soft foam brushes (up to 1,00,000 cycles). Features advanced safety systems, rapid contour-following drying, and extras like handgun wash, wax polish, wheel wash, SS304 build, and high-pressure pumps. Customizable, low-maintenance, and highly efficient for premium, cost-effective vehicle cleaning.

◆ Key Features

- **Durable Brushes:** Soft foam, pressure-sensing, up to 1,00,000 cycles.
- **Low-Cost Maintenance:** Replace individual brushes, not the whole unit.
- **Advanced Safety:** 200% safety logic board, sensors, & emergency trip.
- **Fast Drying:** Contour-following dryer for quick, efficient results.
- **Extra Functions:** Handgun wash, wax polish, wheel wash, SS304 build, high-pressure pumps.
- **Custom-Built:** Tailored designs to meet client needs.



FourWin Washing & Drying System – Falcon

Product Overview

◆ System Description

FALCON by FourWin is a fully automated, touchless car wash system with no moving arms—all water and shampoo nozzles are built into the gantry for a durable, low-maintenance design.

It features smart sensors, high-pressure cleaning, precise chemical dosing, and powerful drying for quick, consistent, and premium results.

With easy controls and minimal manpower, FALCON is perfect for high-traffic wash sites.



◆ Key Features

- **Durable & Low-Maintenance** – High-grade, rust-resistant build with maintenance-free pump.
- **High Productivity** – Fast wash & dry cycles for more vehicles per hour.
- **Superior Cleaning & Drying** – Spotless finish with up to 90% drying efficiency.
- **Eco-Friendly Operation** – Optimized water & energy use, minimal waste.
- **Safe & Versatile** – Built-in safety features, compatible with all vehicle types

FourWin Washing & Drying System – Spyder

Product Overview

◆ System Description

SPYDER by FourWin – Fully automated, touchless car wash with robotic arms, high-pressure cleaning, smart chemical dosing, and powerful drying.

Intelligent sensors and easy controls ensure quick, consistent, premium washes with minimal manpower—perfect for high-traffic sites.



◆ Key Features

- **Durable & Low-Maintenance** – High-grade, rust-resistant build with maintenance-free pump.
- **High Productivity** – Fast wash & dry cycles for more vehicles per hour.
- **Superior Cleaning & Drying** – Spotless finish with up to 90% drying efficiency.
- **Eco-Friendly Operation** – Optimized water & energy use, minimal waste.
- **Safe & Versatile** – Built-in safety features, compatible with all vehicle types

FourWin Automatic Static Car Dryer System

Product Overview

◆ System Description

FourWin Car Dryer System – Fully automatic, energy-efficient dryer with up to 80% drying efficiency, advanced airflow and nozzles for all vehicle types, quick 4-minute cycles, and high-capacity handling—delivering fast, uniform, and streak-free results with minimal labour.

◆ Key Features

- **80% Drying Efficiency** – Less manual work, faster service.
- **Energy-Efficient** – Low power use, cost-saving, eco-friendly.
- **Tall Vehicle Coverage** – Roof-to-side airflow for SUVs & large cars.
- **Advanced Nozzles** – Focused air for uniform drying.
- **Universal Fit** – Works for all vehicle types.
- **Fully Automatic** – Consistent results, minimal supervision.
- **Quick Cycle** – Dries in 4 minutes, boosting throughput.
- **High Capacity** – Handles more vehicles during peak hours.



FourWin Automatic Movable Car Dryer System

Product Overview

◆ System Description

FourWin Car Dryer System – Fully automatic, energy-efficient dryer with up to 80% drying efficiency, advanced airflow and nozzles for all vehicle types, quick 4-minute cycles, and high-capacity handling—delivering fast, uniform, and streak-free results with minimal labour.

◆ Key Features

- **80% Drying Efficiency** – Less manual work, faster service.
- **Energy-Efficient** – Low power use, cost-saving, eco-friendly.
- **Tall Vehicle Coverage** – Roof-to-side airflow for SUVs & large cars.
- **Advanced Nozzles** – Focused air for uniform drying.
- **Universal Fit** – Works for all vehicle types.
- **Fully Automatic** – Consistent results, minimal supervision.
- **Quick Cycle** – Dries in 4 minutes, boosting throughput.
- **High Capacity** – Handles more vehicles during peak hours.



FourWin Automatic Industrial Vacuum Cleaner

Product Overview

◆ System Description

The **FourWin Industrial Vacuum Cleaner** is a high-performance cleaning solution designed to meet the demanding needs of commercial and industrial environments. Built with robust engineering and advanced suction technology, this machine delivers powerful, efficient, and long-lasting performance for a wide range of applications.

The FourWin Vacuum Cleaner stands out for its industrial-grade durability, ease of use, and superior cleaning capabilities—making it the ultimate choice for professionals seeking efficiency and reliability in vehicle cleaning.



◆ Key Features

- **Long-lasting & Reliable:** Induction motor technology, continuous operation, and low maintenance.
- **Powerful Cleaning:** High suction, superior airflow, and advanced filtration for tough jobs.
- **Safe & Durable:** Voltage protection, rugged steel frame, and quality components.
- **Easy to Use:** Mobile design with flexible hoses and strong wheels for large vehicle cleaning.

Mat Cleaner

Product Overview

◆ System Description

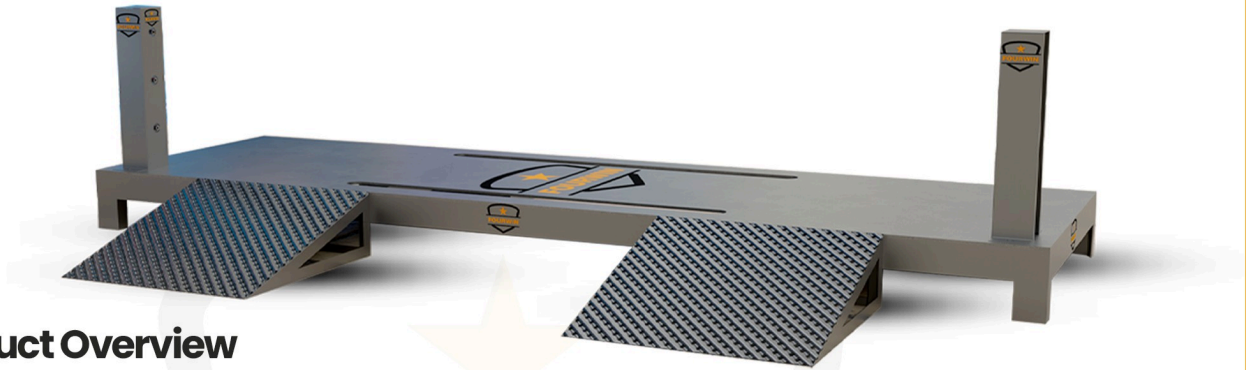
The **FourWin Mat Cleaner** is a compact, fully automatic system designed to wash, scrub, and dry all types of vehicle mats (Plastic, Rubber, Cloth, Grass, etc.) — except 3D/curved mats — in one quick cycle.

◆ Key Features

- **All-in-One Cleaning:** Washes, scrubs, and dries mats in a single operation.
- **Durable Build:** Made of anti-rust SS-304 with chrome coating.
- **Fast & Efficient:** Cleans one mat in just 20 seconds, using only 250 ml water.
- **User-Friendly:** Easy plug-and-play installation with caster wheels for mobility.
- **Professional Results:** Industrial-grade brushes ensure perfect cleaning and quick drying.



FourWin Static Underbody Car Wash System



Product Overview

◆ System Description

The **Static Underbody Car Wash System** is a ground-level cleaning solution designed to remove dirt, mud, and debris from the underside of vehicles using high-pressure water jets. Ideal for car wash centres, service stations, and fleet operators, it offers fast, consistent, and maintenance-free performance.

◆ Key Features

- **Static Design** – Fixed installation for easy integration with existing wash bays.
- **High-Pressure Nozzles** – Targets hard-to-reach areas for effective cleaning.
- **Low Maintenance** – Minimal moving parts for reduced service requirements.
- **Quick Operation** – Cleans underbody in just 1–2 minutes.

The **Static Underbody Car Wash System** is a cost-effective, durable, and efficient choice for businesses aiming to enhance vehicle maintenance standards while ensuring customer satisfaction.

FourWin Manual Washing Setup

Product Overview

◆ System Description

The **FourWin Manual washing setup** is a durable, high-pressure cleaning solution designed to effectively remove stubborn dirt, mud, and grime from vehicle underbodies and wheel arches. Engineered for performance under tough conditions, it ensures fast, efficient cleaning with minimal maintenance requirements.



◆ Key Features

- **High-Pressure Cleaning:** Effectively removes dirt, mud, and grime from underbodies and wheel arches.
- **Durable Design:** Built to withstand tough conditions with long-lasting performance.
- **Fast & Efficient:** Ensures quick cleaning with minimal downtime.
- **Low Maintenance:** Requires minimal upkeep for continuous operation.
- **Optimized Performance:** Engineered for reliable results in all environments.

FourWin High Pressure Washer

Product Overview

◆ System Description

The FourWin High-Pressure Vehicle Wash System is engineered to deliver powerful and efficient cleaning, even under the toughest working conditions. It effectively removes stubborn dirt from vehicle underbodies, wheel arches, and external surfaces. Equipped with a robust centrifugal multistage pump and a high-pressure hose, the system ensures long-lasting performance, minimal maintenance, and fast cleaning cycles, making it ideal for industrial and commercial vehicle cleaning applications.



◆ Key Features

- **High-Pressure Cleaning:** Removes stubborn dirt from underbodies, wheel arches, and external surfaces
- **Durable Pump:** Centrifugal multistage pump ensures long life with minimal breakdowns.
- **Fast & Efficient:** Cleans vehicles quickly, saving time and effort.
- **Low Maintenance:** Minimal service requirements for hassle-free operation.
- **High-Pressure Performance:** 3 HP pump generates 24 bar pressure with R3 grade hose for durability.

FourWin Sewage Treatment Plant

Product Overview

◆ System Description

FourWin Sewage Treatment Plant, a symbol of innovation and environmental responsibility. As global water resources face increasing strain, effective wastewater management has never been more critical.

At FourWin, we've embraced this challenge by developing an advanced system that purifies wastewater with exceptional efficiency.

◆ Stages:

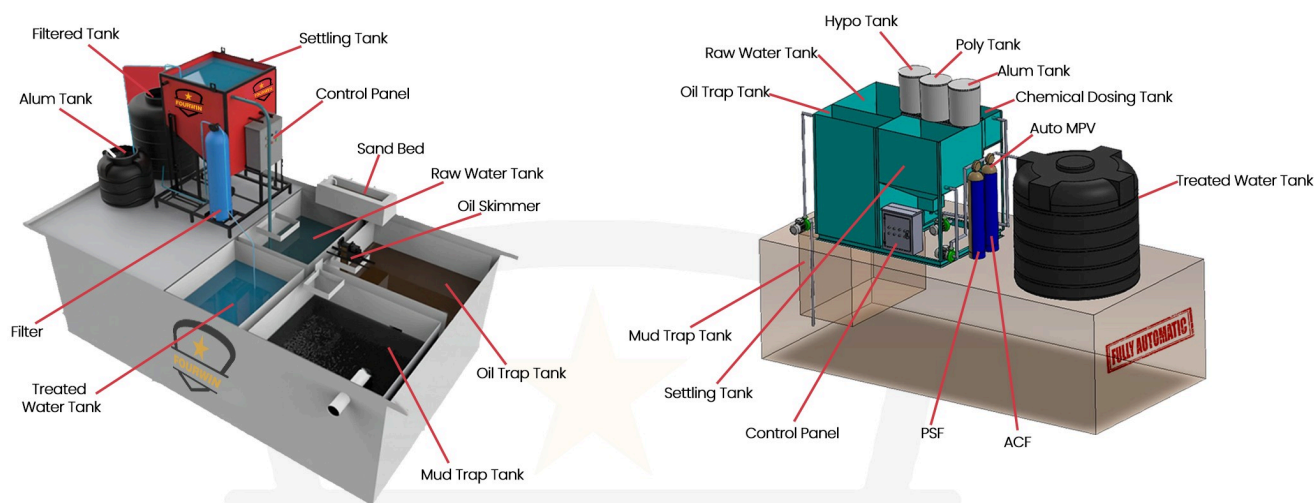
- **Pre-Treatment:** Screening / Mud Trap, Oil Skimmer & Equalization Tank.
- **Secondary:** Coagulation, flocculation, sludge settling & disposal.
- **Tertiary:** Filtration, disinfection, treated water storage.

◆ Key Features

- **Aerobic Treatment:** Utilizes aerobic processes for effective biological purification.
- **PP Media Technology:** Attached growth PP media with 400 m²/m³ surface area boosts efficiency.
- **Compact Design:** Reduced bioreactor volume saves space without performance loss.
- **Efficient Aeration:** Diffused aeration system ensures uniform air distribution.
- **Enhanced Microbial Growth:** MBBR media provides a rich habitat for microorganisms.
- **Sustained Aerobic Environment:** Air diffuser system supports continuous pollutant degradation.
- **Hybrid Operation:** Integrates suspended and attached growth for maximum treatment efficiency.



FourWin Automatic ETP Plant



Type - Civil Tank

Type - Fabricated Tank

Product Overview

◆ System Description

FourWin Automatic ETP – A beacon of hope for our planet's waterways. Each year, countless litres of contaminated water find their way into our oceans, wreaking havoc on our environment. At FourWin, we've taken up the mantle of responsibility. Our cutting-edge plant stands as a testament to our dedication. It's not just a solution; it's a promise. A promise to safeguard our precious ecosystems, to restore the balance, drop by drop. With every cycle, we're not just treating water; we're nurturing the future. Join us in this vital endeavour, as we redefine sustainability, one treatment at a time.

The Equipment is designed as per norms of Pollution Control Board dtd 26th Dec 2019.

◆ Stages

- **Pre-Treatment:** Remove solids, oil, equalize flow, adjust pH.
- **Secondary:** Coagulation, flocculation, sludge settling & disposal.
- **Tertiary:** Filtration, disinfection, treated water storage.

◆ Key Features

- **Static Design** – Fixed installation for easy integration with existing wash bays.
- **High-Pressure Nozzles** – Targets hard-to-reach areas for effective cleaning.
- **Low Maintenance** – Minimal moving parts for reduced service requirements.
- **Quick Operation** – Cleans underbody in just 1–2 minutes.

FourWin Water Softner

Product Overview

◆ System Description

The **FourWin Water Softener Plant** is designed to effectively treat hard water by removing excess calcium and magnesium, which cause scale formation, soap inefficiency, and pipe clogging. Using the ion exchange process, hard water ions are replaced with sodium ions, producing soft water suitable for household, industrial, and commercial applications.

◆ Stages:

- **Softening Cycle:** Hard water passes through ion exchange resin, where calcium (Ca^{2+}) and magnesium (Mg^{2+}) ions are replaced with sodium (Na^{+}) ions, producing soft water.
- **Regeneration Cycle:** Brine solution (salt + water) flushes the resin, restoring sodium ions and removing collected hardness, preparing the resin for the next softening cycle.

◆ Key Features

- **Automatic Regeneration:** Self-maintaining system with timely resin regeneration.
- **Compact Design:** Skid-mounted, space-saving, and easy to install.
- **No Civil Work:** Ready-to-use system requiring minimal setup.
- **High Reliability:** 95% system reliability with long-lasting resin life.
- **Protects Surfaces & Skin:** Prevents white spots, paint damage, and dryness.
- **Extended Appliance Life:** Prolongs life of water-using equipment.
- **User-Friendly:** Integrated display, easy salt refill, and high flow rate for efficient operation.



FourWin Industrial RO Plant

Product Overview

◆ System Description

The **FourWin Industrial RO Plant** efficiently removes dissolved salts, hardness, and impurities from water, delivering high-quality, low-TDS water for industrial use. With a compact, skid-mounted design and fully automatic operation, it ensures reliable, low-maintenance, and continuous water purification for industries like boilers, cooling towers, and food processing.

◆ Stages:

- **Feed Water Intake:** Pre-treated water enters the RO system.
- **High-Pressure Pumping:** Water is pressurized to overcome osmotic pressure.
- **Membrane Filtration:** Semi-permeable membranes remove 95–99% dissolved salts and impurities.
- **Permeate Collection:** Purified water is collected for use.
- **Reject Disposal:** Concentrated reject water is discharged or recycled.

◆ Key Features

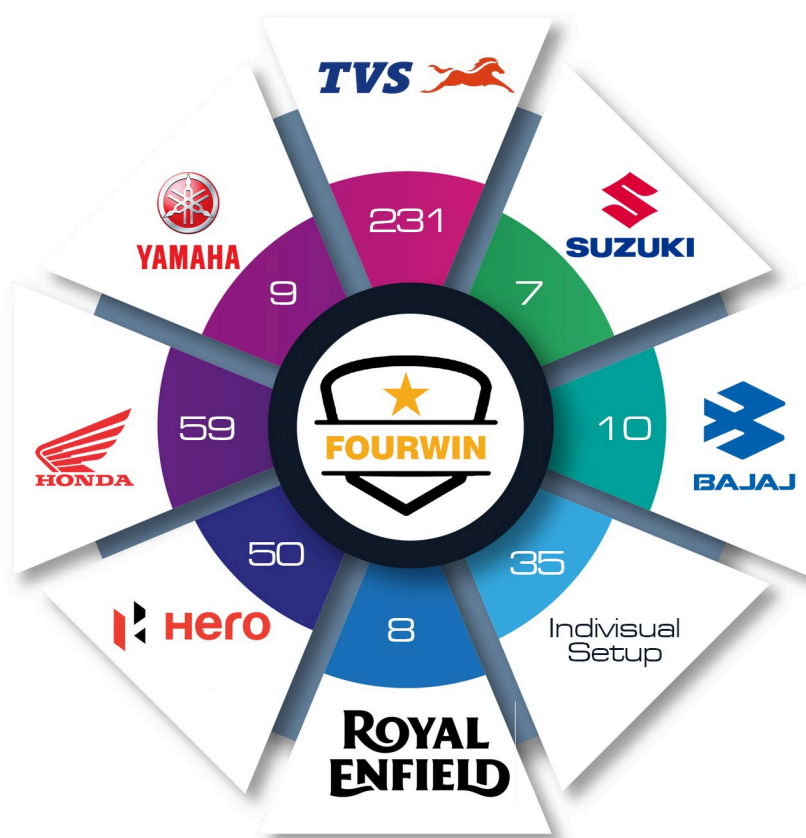
- **Chemical-Free Purification:** Removes salts and harmful impurities without chemicals.
- **TDS Reduction:** Lowers total dissolved solids, making water suitable for drinking and industrial use.
- **Removes Contaminants:** Eliminates bacteria, algae, heavy metals, and other harmful substances.
- **Simple & Low Maintenance:** Easy to operate, modular design allows future expansion.
- **Effective Pollutant Removal:** Treats both inorganic and organic contaminants efficiently.
- **Ambient Operation:** Works at normal temperature, reducing scale formation and corrosion.
- **Compact & Skid-Mounted:** Space-saving design fits easily in any location.
- **High Reliability:** 95% dependable system suitable for brackish, tap, and sea water.



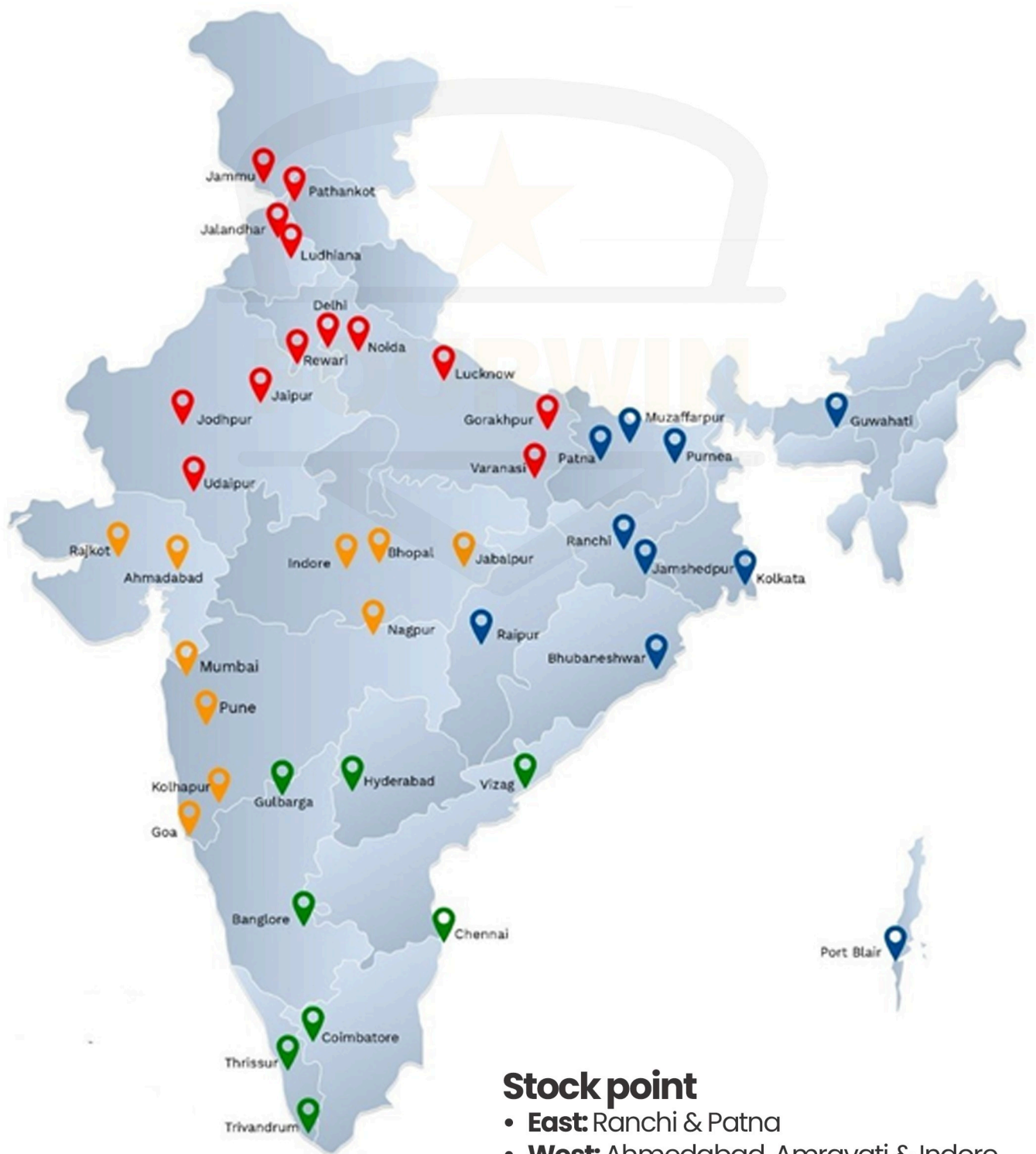
Our Installation in 4-Wheeler OEM



Our Installation in 2-Wheeler OEM



FourWin Service Support



Stock point

- **East:** Ranchi & Patna
- **West:** Ahmedabad, Amravati & Indore
- **North:** Ghaziabad & Lucknow
- **South:** Cochin & Bangalore

Global Map



At Treo Engineering Pvt. Ltd., Innovation Knows No Borders

With a strong base in India, Treo Engineering delivers world-class vehicle wash solutions across Asia, the Middle East, Africa, and beyond. Our Automatic Touchless and Brush-type Car Wash Systems are trusted globally for their quality, reliability, and sustainable performance —making us a preferred partner for modern wash setups worldwide.

Where You Can Find Us

- **India** – Headquarters and Pan-India installations
- **United Arab Emirates** – Regional partnerships and car wash systems
- **Saudi Arabia** – Middle East expansion through turnkey solutions
- **South Africa** – Growing footprint in sustainable vehicle wash systems
- **Nepal, Bangladesh, Sri Lanka** – Reliable presence in South Asia
- Ongoing collaborations in **Europe** and **Southeast Asia**

Partnering Beyond Borders

Focused on innovation, customer satisfaction, and eco-conscious engineering, Treo Engineering continues to build lasting global relationships. Our presence reflects not just the reach of our products, but the impact of our values.

Our Manufacturing Unit & Inhouse Team

Our Manufacturing unit is based at Survey No.87/4C, New bye pass road, vitthalnagar, Dehu, Pune - 412109, Maharashtra, India having an area of 18000 sqft area.



Business Segment



Automobile Industry



Manufacturing Industry



Real Estate



Bus Depots



Food Processing Industry



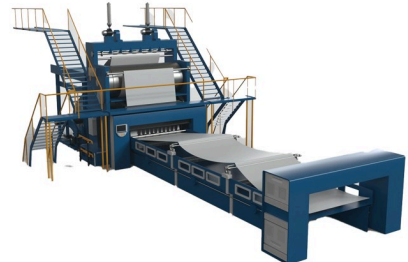
Hotels & Restaurants



Pharmaceutical Industry



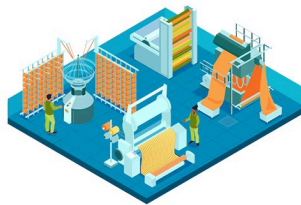
Oil & Gas Industry



Paper & Pulp Industry



Mining Industry



Textile Industry



Marriage Halls
& Banquets



Chemical Industry

Let's Connect



Fourwin stands apart through:

- **Proven Expertise:** Over a decade of industry leadership.
- **End-to-End Support:** Installation, training, and maintenance.
- **Sustainability Focus:** Water recycling and eco-friendly consumables.
- **Competitive Pricing with Superior Value** – no compromising on quality equipment.
- **Scalable Production Capacity** – Our advanced manufacturing infrastructure supports high-volume orders, ensuring timely delivery even on large-scale export demands.
- **Global Quality Standards** – meets international quality and safety standards, ensuring reliable performance across global markets.

We invite you to collaborate with a partner committed to elevating efficiency, reducing costs, and future-proofing your operations.

Contact us to explore customized Solutions for our business.

Company Name : Treo Engineering Pvt Ltd

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Factory Address : Survey No. 87/4C, New ByPass Road, Vitthalnagar, Dehu, Pune — 412109, Maharashtra, India

Established : October 2009

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