واش تـــرو
WASHTHRU®

M360-v1

Touchless



Designed By:

ميكـاتـرونكـس
Mechatronics

Version EN 1.0

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واش ثرو
WASHTHRU®

The first Saudi brand to develop and manufacture
Automatic car wash Machines

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Washing stages

Enjoy a complete and effective washing experience, as all these steps combine to deliver the utmost cleanliness and shine.

www.washthru.com

Washing stages

1

Preparatory wash

The car is sprayed with preparatory chemicals to break down dirt and stubborn deposits.

This step can be performed separately (at the entrance) to help reduce the overall washing time.*

2

Initial rinse

The car is given an initial rinse to remove any remaining residues (if present).

3

Spray foam

Special cleaning foam is sprayed to enhance the washing process and effectively remove dirt.

The foam spray system can be changed to a foam cascade (lava) instead of the traditional foam spraying method.*







Washing stages

4

High-pressure washing

The car is sprayed with high-pressure water, allowing for a touchless wash.

5

Final rinse with wax spray

Optional*

An additional rinsing stage that includes spraying optional polishing agents (which may come from a different water source).







Touchless Machine

Model number: **M360-v1**

Made in:
Kingdom of Saudi Arabia

Installation, training and maintenance by a specialized team

2 years warranty against manufacturing defects

Our Machine combines technological intelligence and superior performance

Choose wisely

www.wash.run.com

www.washthru.com

Water Consumption

Water consumption ranges from 150 to 200 liters per car.
Only 3-5 ton with the recycling device

Material Consumption

Shampoo: 120-160 ml / car
Wax: 13 ml / car
Pre-wash detergent: 40–50 ml / car

Electricity

(380 volts - 60 Hz) with a
Operating Current: 12 Amps
Max Current: 20 Amps
maximum power of 5 kW
and a consumption of 0.23 kWh per car.

Vehicle Dimensions

Height: 2 m

Width: 2.6 m

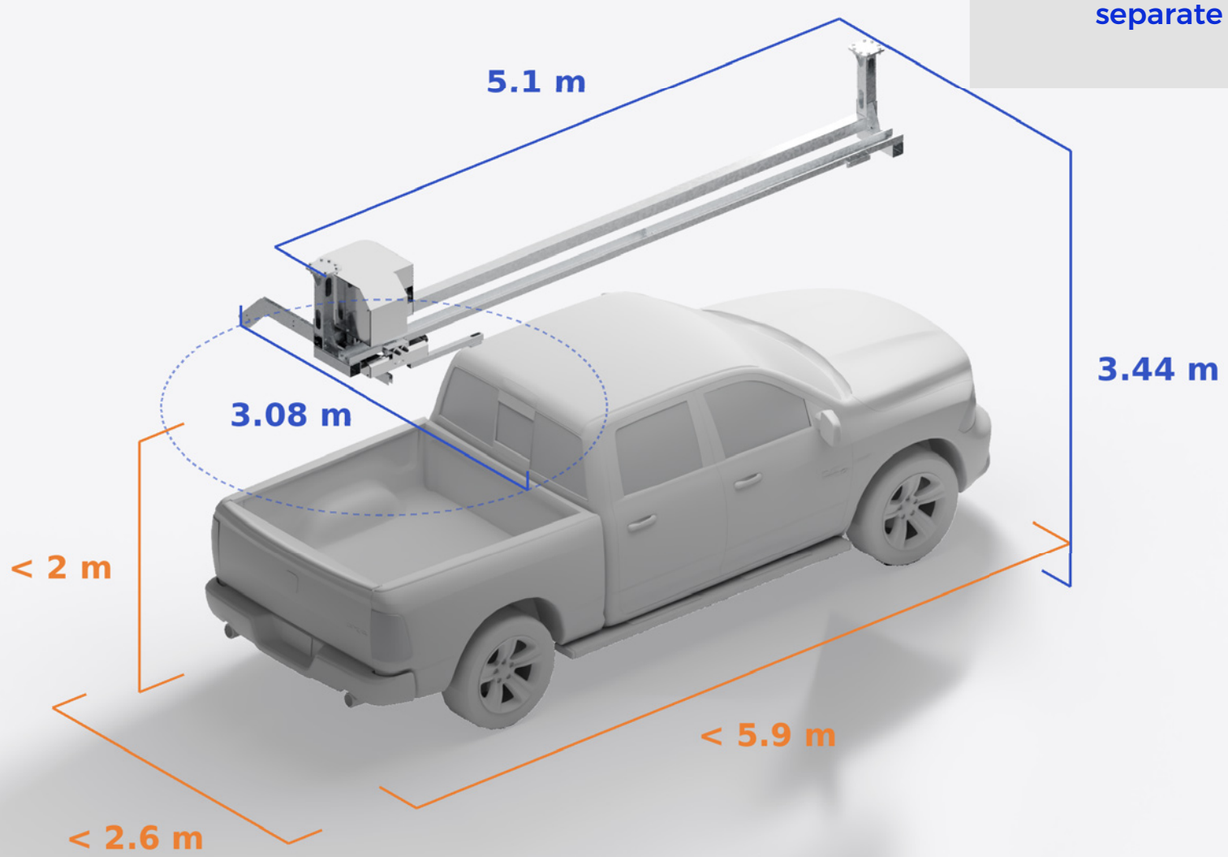
Length: from 5m to 5.9

Machine Dimensions

Length: 5.1 m

Width: 3.08 m

Height: 3.44 m

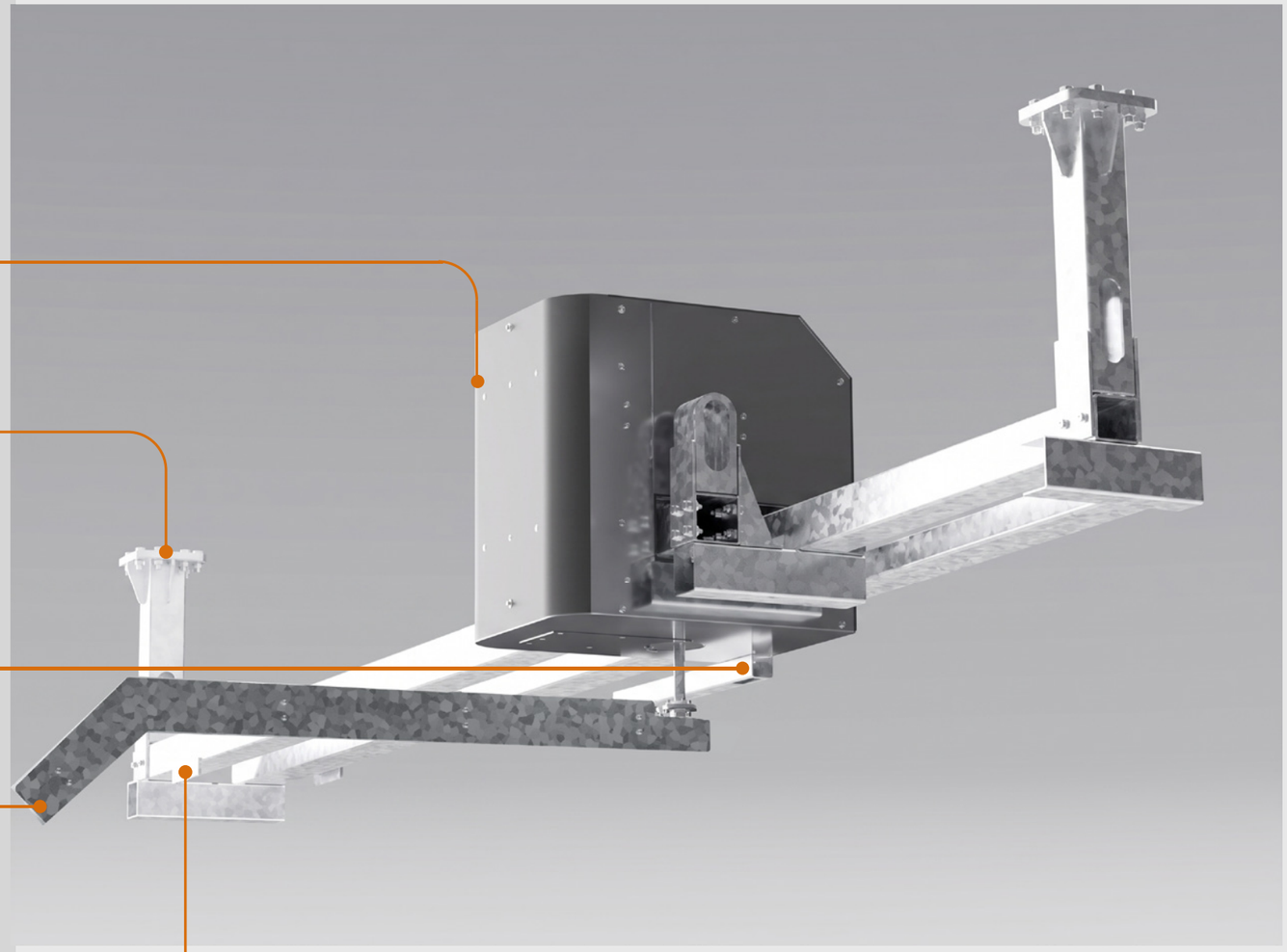


- **360-degree rotation around the vehicle while maintaining a fixed position.**
- Weighs only 100 kg – a lightweight unit designed for ceiling installation.
- **High-efficiency touchless washing technology, ideal for medium-duty vehicles with moderate dirt levels.**
- Equipped with 8 spray nozzles (covering the majority of the vehicle body).
- **Supports three types of installation: floor-mounted, wall-mounted, and overhead. Additionally, it features the option to add a separate washing bay gate.**

Completion of all washing and drying stages within an average duration of

7-8 Minutes

A design that ensures superior performance and an appearance that harmonizes with the latest technology trends.



Outer Structure
Made of corrosion resistant aluminum panels.

Lightweight Design
Suitable for overhead mounting, weighing only 100 kg.

Radar Sensor
For automatic vehicle dimension measurement.

Rotary Arm
360-degree rotation around the vehicle while maintaining a fixed position.

Galvanized Steel Frame
Corrosion-resistant structure.

Three Mounting Types to Suit Different Locations:

Overhead Mounting
- Mounting the unit on the ceiling without occupying any floor space.

Wall Mounting
- Fixing the unit to a wall without occupying any floor space.

Floor Mounting (Optional)*
- Installing the unit on a floor base.

Required Space for Installation:
- Length from 5 m to 7.5 m | Width 3.20 m or more
  Height 3.5 m or more.



Can be mounted on the ceiling or wall It rotates 360 degrees around the vehicle while remaining stationary in its place.

360°

Rotation range of the arm around the vehicle.

100

Total weight of the unit only.

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Advanced technology ensures optimal water distribution, making each wash a unique experience.

Technology that pumps water with high efficiency, achieving even distribution and appropriate pressure.

The pumps operate within a safe pressure range (20-24 bar) with a cleaning impact of 1.5-2 psi.

- Made of **stainless steel**

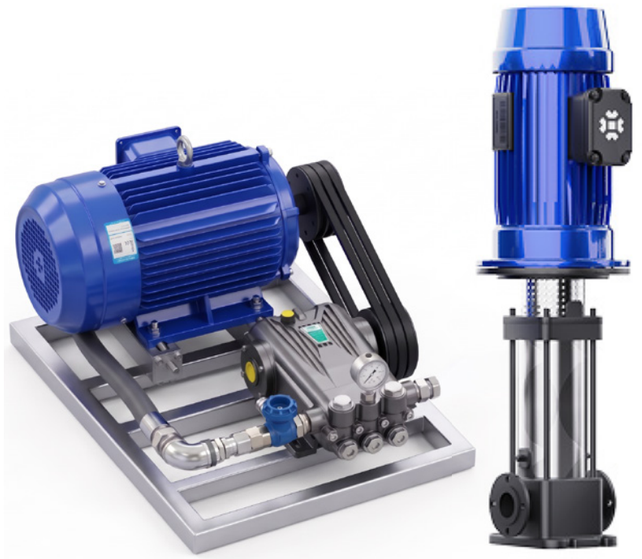
***Optional**

Pumps *2-3

High-pressure pump (First & Final Rinse)	Adjustable (35Bar)
low-pressure pump (Primary Wash / Shampoo)	(5Bar)

***Optional**

Medium pressure pump	(9Bar)



Basic



Optional

Optional (additional charges apply upon request)

Touchless Washing*



The option for touchless washing is available to reduce washing time for vehicles with a light level moderate level of dirt

- Full coverage for all car sizes

Optional (additional charges apply upon request)

Operational Technology Features

Excellence in operational performance with our advanced technology features!

We combine efficiency and innovation.

Energy Meter (Optional)

The energy meter accurately calculates the device's electrical consumption.



Water Flow Meter (Optional)

Magnetic water flow meter to measure water consumption.



(Optional)



Wireless Control WiFi

Ability to access the system from any electronic device (phone, tablet) on-site or remotely* and control its features and settings.

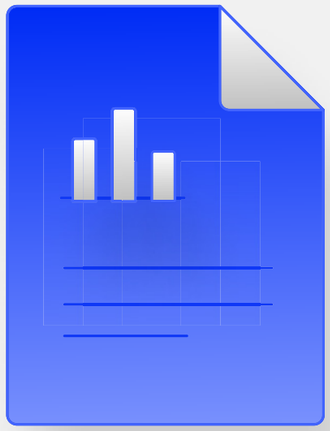
* When subscribing to WashCloud services.

Operating Interfaces Support Five Languages

- हिन्दी Hindi
- English
- Arabic
- বাংলা Bengali
- اُردُو Urdu

Support for Monitoring/ Control

Support for monitoring/control via local cable for locations where WiFi cannot be used.



(Optional) Vehicle Reports

Save all historical device information and view the number of cars, car entry times, car sizes, and the number of invoices issued by the system (if subscribed to the Kasour platform) - all wirelessly from anywhere within the device's WiFi network range.



Customer Loyalty Programs

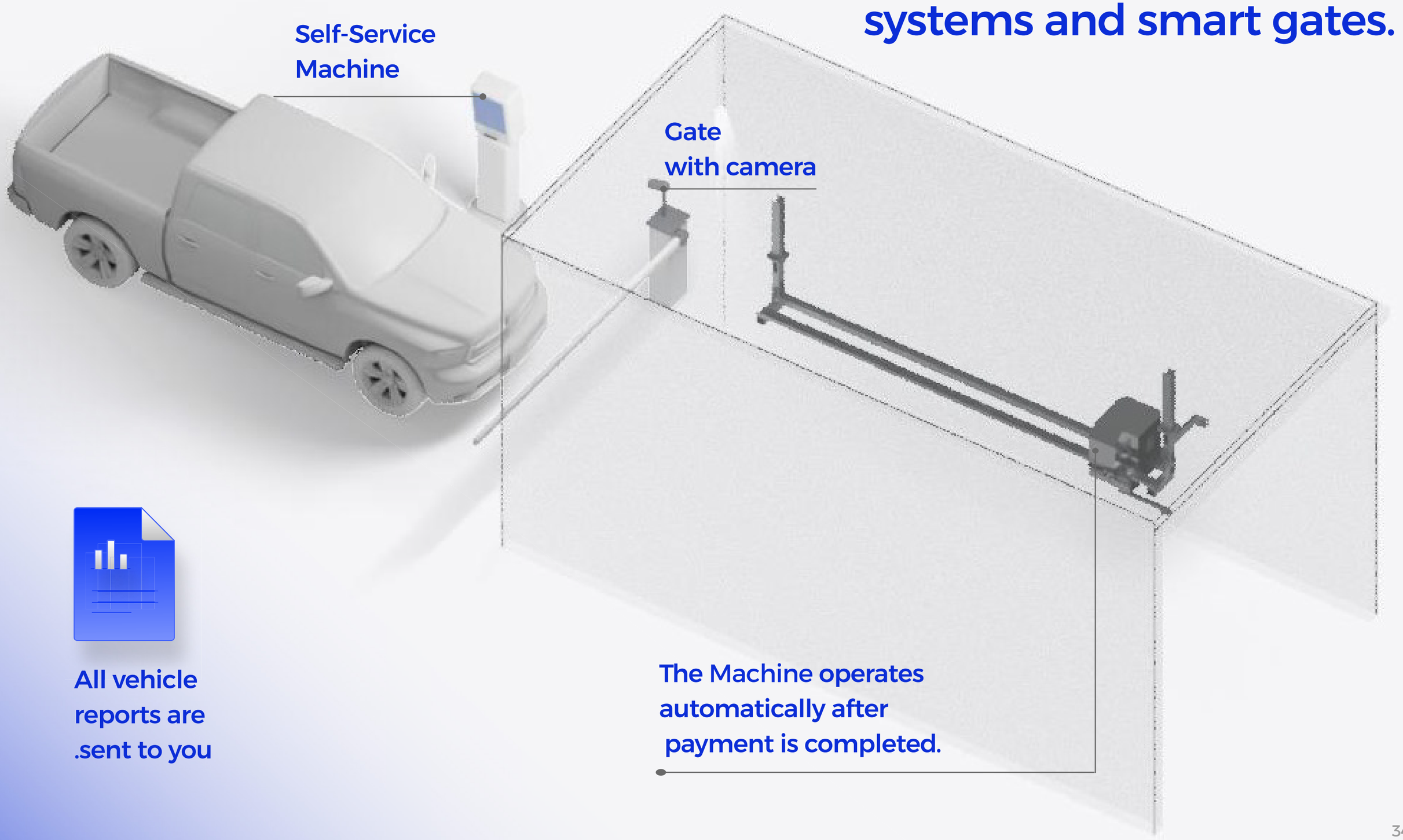
- Optional RFID reader for customer loyalty programs.
- Easy integration with point-of-sale systems (MADA, Visa, MasterCard).
- Option to add license plate recognition camera for customer loyalty programs.



Driver mobile application

Full integration capability with the mobile application for achieving driver self-operation.

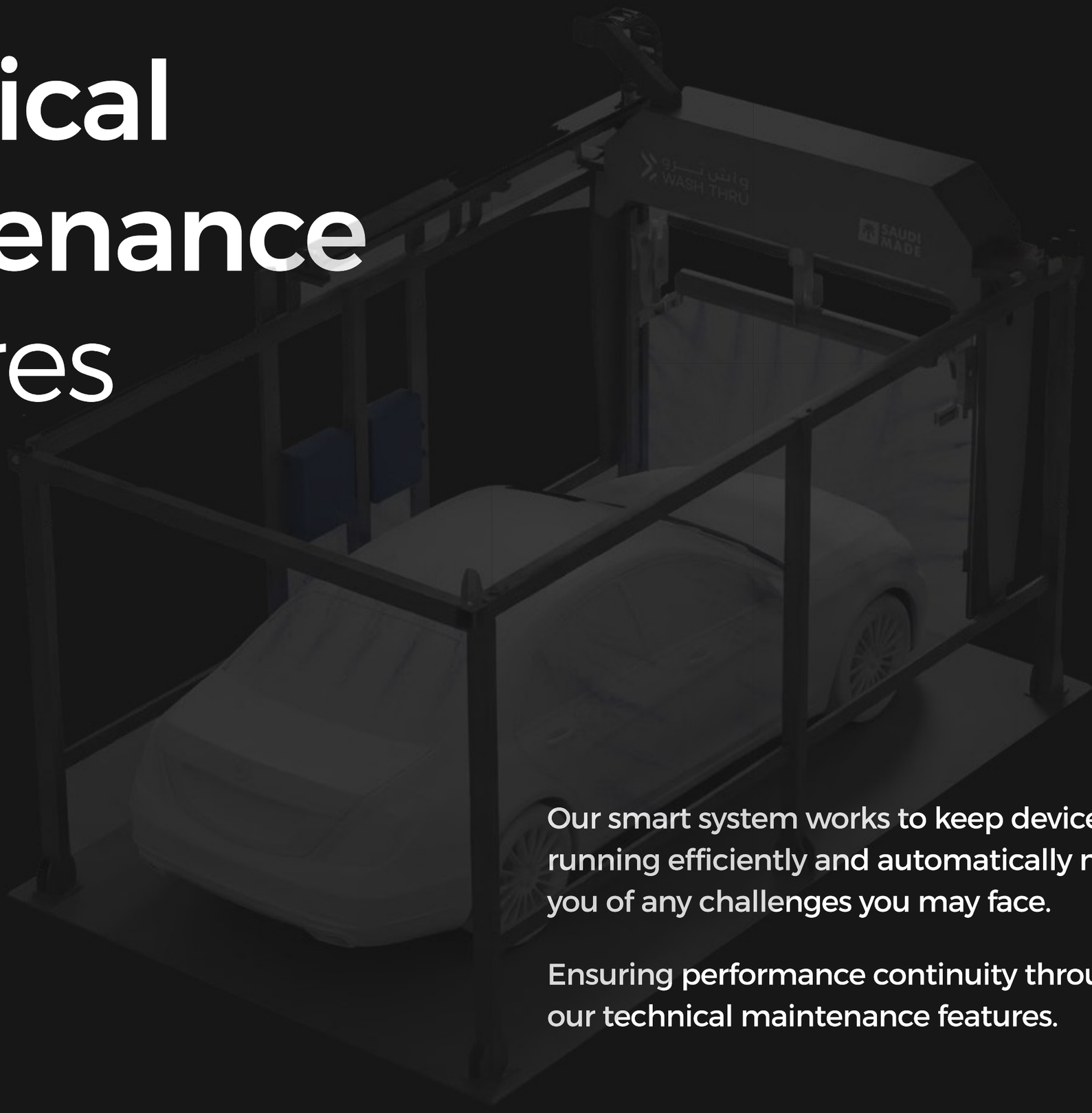
Seamless integration with point-of-sale systems and smart gates.



All vehicle reports are .sent to you

The Machine operates automatically after payment is completed.

Technical Maintenance Features



Our smart system works to keep devices running efficiently and automatically notifies you of any challenges you may face.

Ensuring performance continuity through our technical maintenance features.

Smart Maintenance System (SM)

Fully integrating devices with company systems to enhance control, monitoring, and quality in maintenance operations, enabling:

- Reviewing the historical status of all Machine components that have been replaced.
- Reviewing invoices for products and services.
- Accessing the record of previous and current maintenance tickets.
- Tracking maintenance requests.
- Reviewing and evaluating maintenance visits.

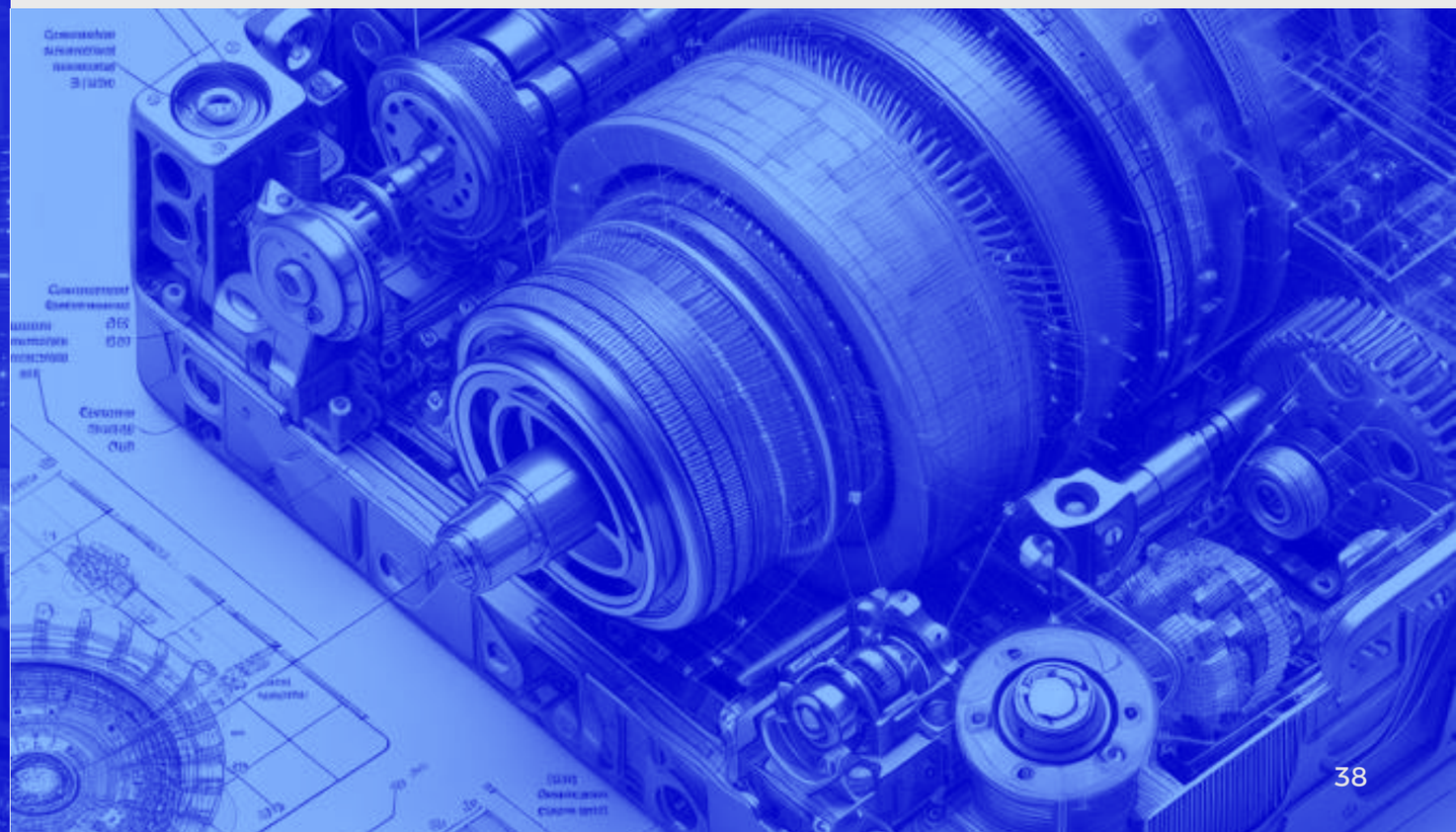


The default lifespan calculator for consumable parts

It's an interface that displays the lifespan of consumable spare parts for devices and provides system alerts when their estimated lifespan is nearing completion. This allows customers to pre-order the parts and keep them on-site so they can be replaced at the appropriate time or requested for replacement by the maintenance team.

The criteria for calculating the estimated lifespan of parts depend on:

- **Number of operational cycles**
- **Number of working hours**
- **Number of cycles**
- **Time**
- **Number of vehicles**



Safety

Ensures the highest levels of safety by partially or completely stopping the Machine in case of any malfunction and immediately displaying all issues.



Ability to purchase spare parts online (with ease)

The central system accesses the devices and suggests spare parts that need to be replaced in case of malfunctions or wear and tear. This service enables customers to review the parts and their alternatives and order them directly without the need to contact the company or search the website.



WashCloud
System



Stand out with our
proprietary system



Cloud storage

Cloud storage for machine data and reports

Predictive maintenance technology (for non-consumable parts)

Our centralized system utilizes various artificial intelligence tools to analyze the performance metrics of non-consumable parts. It deduces their estimated lifespans based on historical records and other criteria such as geographic location, temperature, humidity, water salinity, and more. This enables maintenance personnel (remotely) to identify all parts that need replacement, significantly ensuring the continuous operation of the Machine.



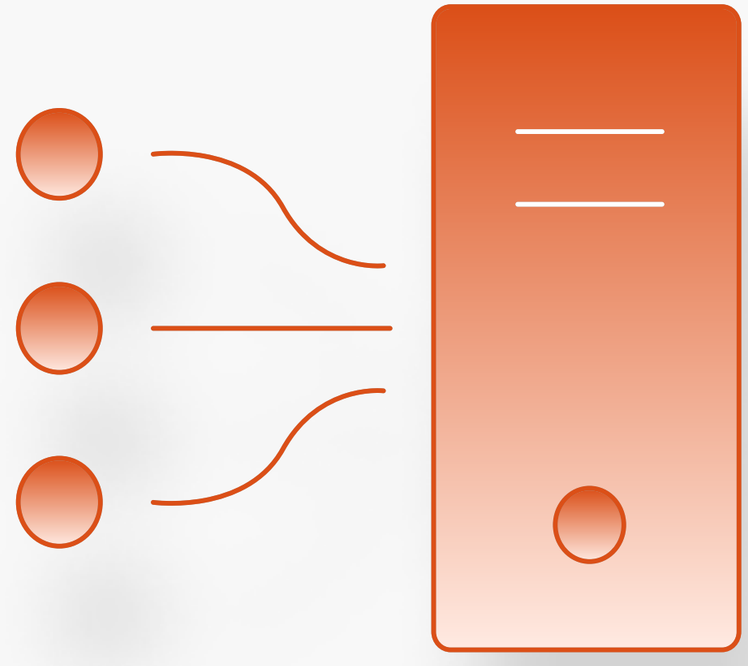


Automatic Reporting

Where the WashCloud system can automatically report any faults that may occur on the Machine without the need to report the fault, and the maintenance team deals with the report according to the size of the problem.

Application Programming Interface (API)

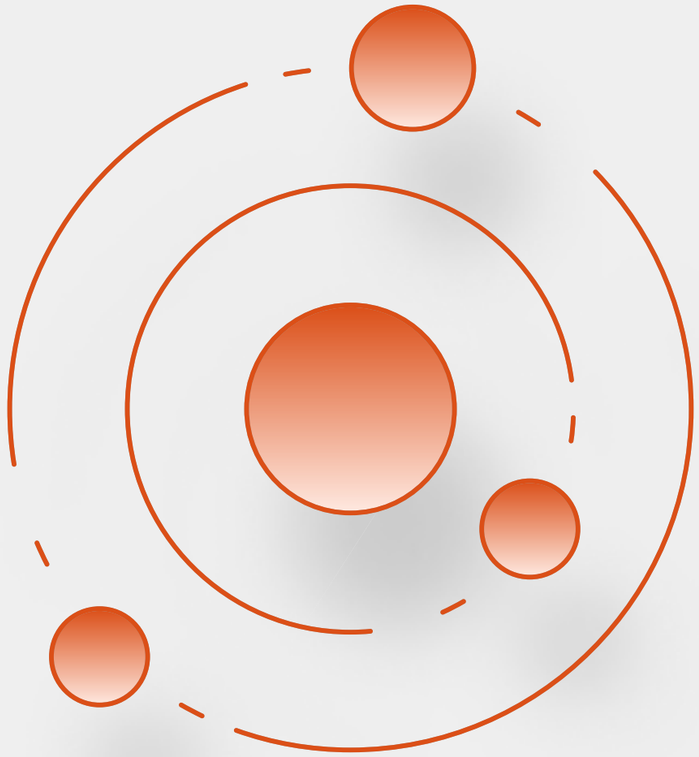
And it's an additional service for customers who have their own software, applications, or ERP systems and want to integrate them with the Machine systems. We customize solutions according to the customers' needs for a nominal fee, without any additional devices required for this feature.



Continuous Update

Continuous Update for Machine Control Systems to Enhance Security and Improve Quality



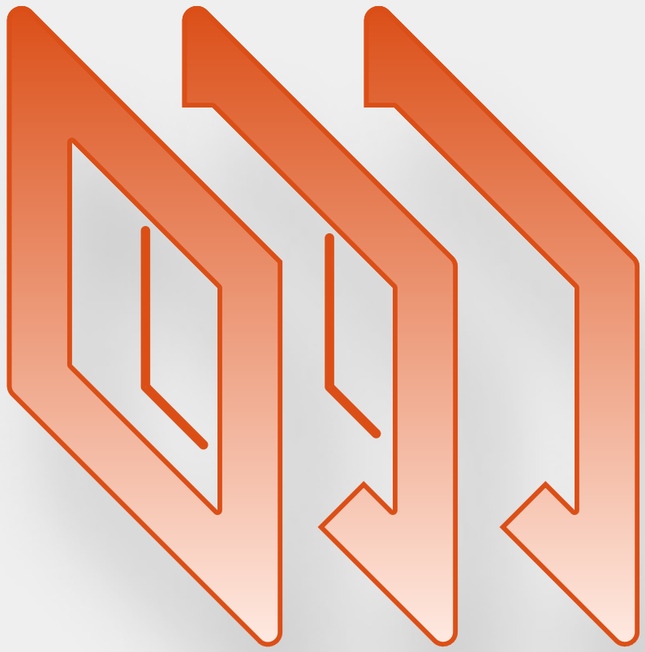


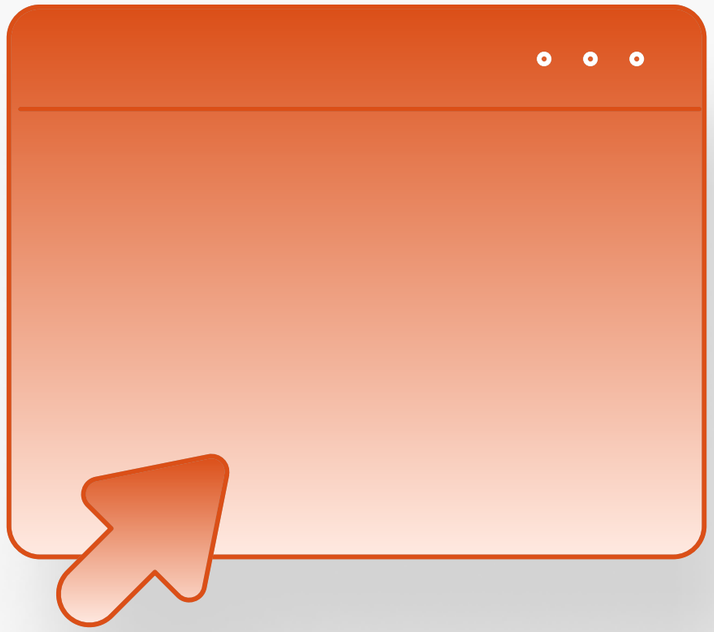
Automated Assistant System

And it's an extremely intelligent system that operates when there are any issues not directly recognized, presenting potential causes within seconds. This enables users to understand the reasons for malfunctions without the need to visit the site.

Reviewing troubleshooting solutions.

When human intervention is needed for repairs, this system provides solutions through visual clips. This enables technicians or operators to identify the required spare parts and access the optimal repair method.





Automatic Alerts

Receiving customized SMS alerts, especially when there is a malfunction or when a component is nearing the end of its lifespan.

Remote control

The ability to access the Machine system remotely, enabling users to access a range of basic and advanced features using any electronic device (such as a smartphone or tablet) from anywhere in the world and at any time, while maintaining the highest security standards without being physically present at the device location.



Safety Specifications

Our Machine features advanced technologies to maintain the highest safety and security standards.



- Safety system for communication in case of backup failure via (SMS-WIFI-Cable).
- **Radar Sensor for reading vehicle dimensions.**
- Monthly reports on replaceable parts, and it sends requests for the replacement of consumable parts.
- A VPN-enabled routing device to achieve the highest levels of security for remote access to the machine using any electronic device (mobile or tablet) without being present at the machine's location.
- The protection system operates at each stage of the washing process.
- Continuous sensor design for all motion devices (360° rotation: forward/backward).

Success Partners

FAST car wash

DOUBLE Q دبل كيـــو

مغاسل رغوة الآلية AUTO FOAM CAR WASH

WASH WAY واش واي

W3 الغسيل الثلاثي

The Tunnel

هيف مغاسل سيارات أوتوماتيكية

Express Auto Wash

إكستوكير extocare

CAR WASH مغسلة روز السعودية

WASH LINE واش لايـن

ROUNAQ

WASH PASS واش باس

الوابل AL WABL

درة للعناية بالسيارات

الماسة

كلين باودر CLEAN PAWDER

03 THREE MINUTES FOR CAR WASH

KING CAR كنج كار

LOCATION CAR WASH

FILTER فلتر

مغسلة كاركافيز

BARRAQ CAR WASH

CLEANSPOT

الزغيبي Alzughaibi

HASLAH غسله

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