واش ثــرو
WASH THRU

Saudi Made

Higher Quality
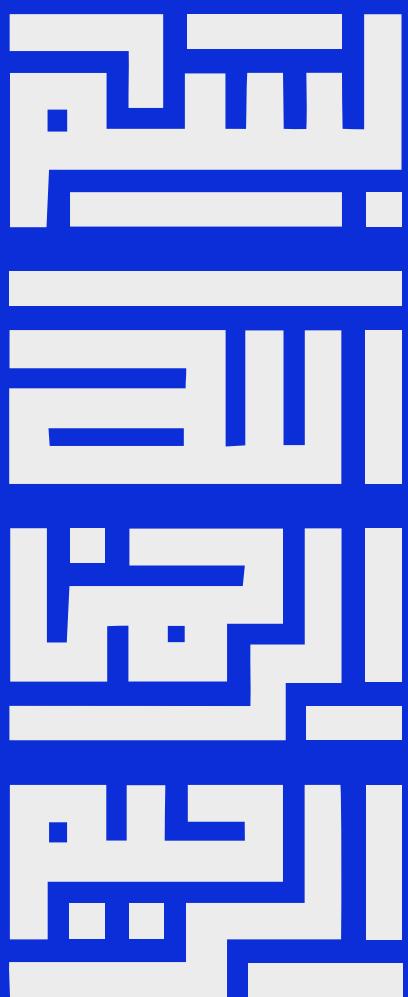Higher Productivity
Lower Effort

Owned By

ميكـاتـرونكـس
Mechatronics

The First Saudi Brand
for Developing and Manufacturing Automatic Car Wash Machines

بسم الله الرحمن الرحيم

Contents

Our Warranties Reflect Our Quality

✓ **2 years warranty for the machine against all manufacturing defects and malfunctions** (Terms and conditions apply).

✓ **We guarantee that maintenance and technical support services are provided in multiple languages** (English, Arabic, Urdu, Filipino).

✓ **We guarantee our maximum cost calculation per vehicle**. With our leading expertise in the car wash industry, we guarantee our partners that we calculate expenses and depreciation by calculating the life span of each part of the machine, with the possibility of providing a depreciation study per vehicle.

✓ **We guarantee that all main and consumable spare parts are always provided and made available.**

✓ **We guarantee that the required training is provided to partners on how to operate and periodically maintain the machines** through the Comprehensive Training Department.

Technologies
in Our Machines

We use various technologies that make our machines smarter and safer and help increase productivity and quality. Our main technologies include:

Smart Sensors (IPS)

The smart sensors (IPS) help the machines read the dimensions of the vehicle for optimal performance.
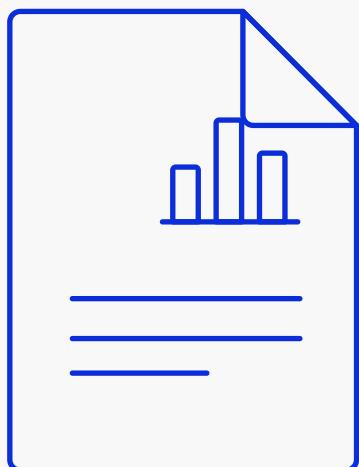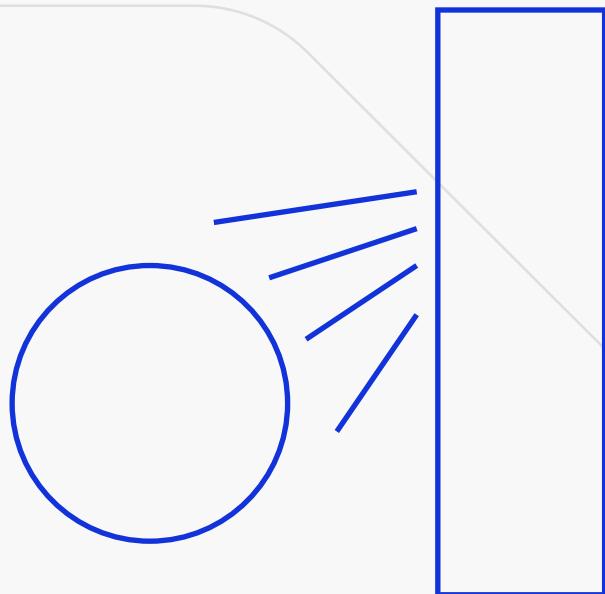
Vehicle Reports

Saving all historical data of the machines and reviewing:
- Number of vehicles.
- Vehicle entry time.
- Vehicle size.
- Number of invoices issued via the system, in case of subscription to KOSOOR Platform.

And all these processes are done wirelessly or from anywhere over a Wi-Fi network.
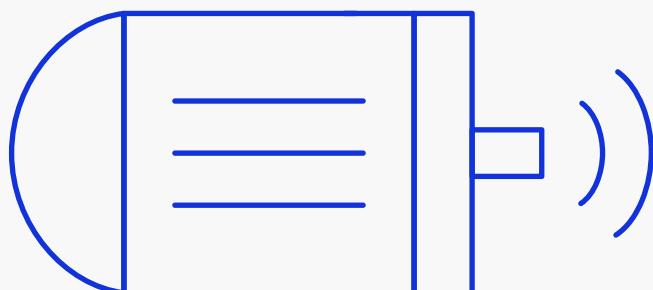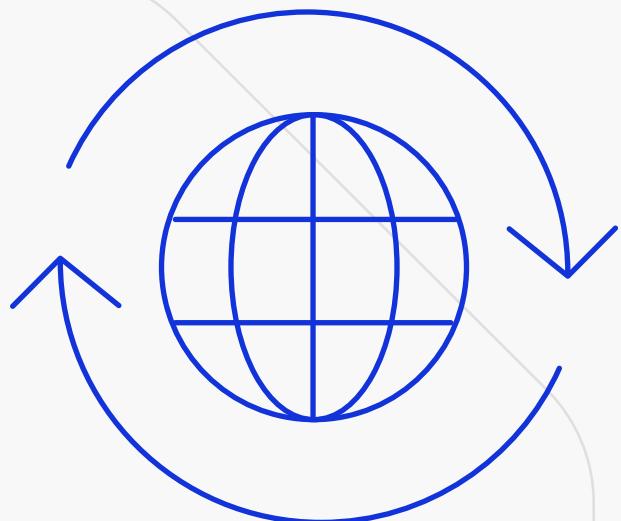
Failsafe

This technology ensures the highest level of safety by stopping the machine completely or partially in case of a malfunction, then displaying all direct problems immediately.
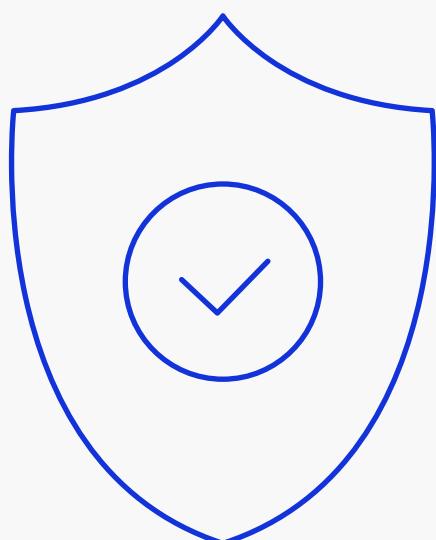
Auto Tuning Technology

It enables the machine to automatically re-tune the parameters after every washing process without human intervention.

Spare Parts (Online)

The central system accesses the machines and suggests the spare parts to be replaced in case of malfunction or depreciation. With this service, the partner can explore and directly order the spare parts and their alternatives, without the need to contact the company or search on the website.
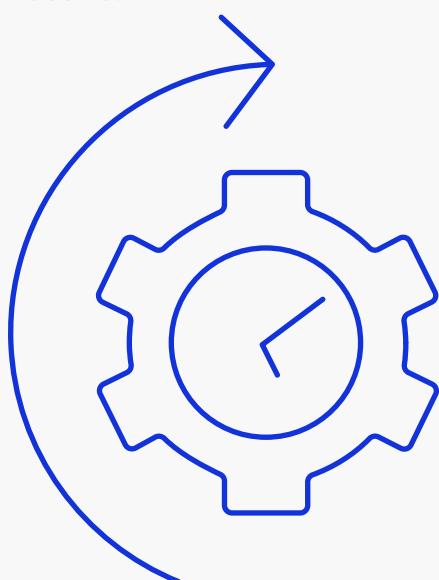
Wearable Part Lifespan Calculator

It is an interface that displays the life span of the Wearable parts of the machines and launches alerts via the system when their lifespan limit approaches, so that the partner can order and store such parts in advance and thus replace them on time or request the maintenance team to replace them on the earliest visit.
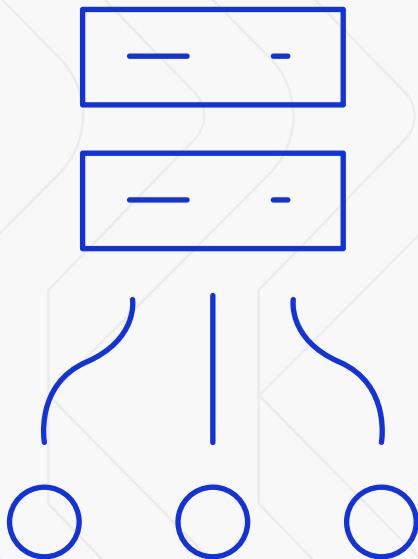
Smart Maintenance (SM) System

The machines are fully connected to WashThru systems to increase the levels of control, monitoring and quality of maintenance operations, so that:

- The historical status of all replaced machine parts can be reviewed.
- The invoices or all products and services can be reviewed.
- The record of previous and current maintenance tickets can be reviewed.
- Maintenance orders can be tracked.
- Maintenance visits can be reviewed and evaluated.

Wireless Control (WiFi)

The machine system can be accessed using any electronic device (mobile or tablet) at the site. Through this electronic device, the properties of the machine system can be controlled wirelessly from any place covered by the WiFi network.
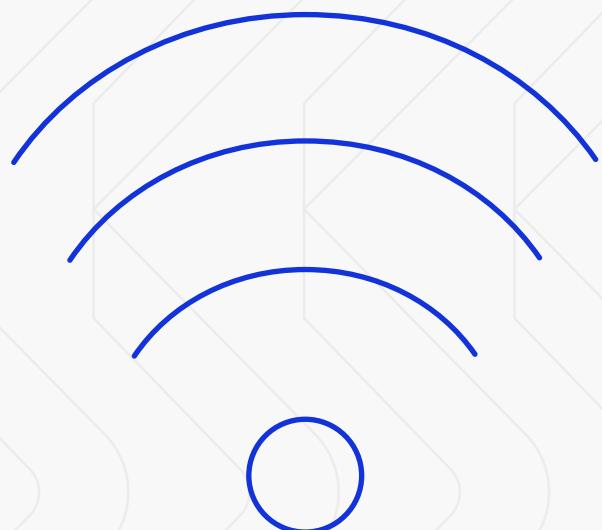
Wash-Cloud System

It is a "cloud service" provided by WashThru on an optional basis. This service primarily works by allowing central servers to access machines, having an active Wash-Cloud license to provide several additional unique features, including:

Preventive Maintenance of non-wearable Parts

Our central system uses several AI tools, which read performance processes of non-wearable parts, collecting information related to their life span based on historical records, as well as other parameters, including: the region, temperatures, humidity, salinity, etc.

With this technology, remote maintenance staff can become aware of all parts to be replaced, which greatly guarantees continuity of the machine operations.
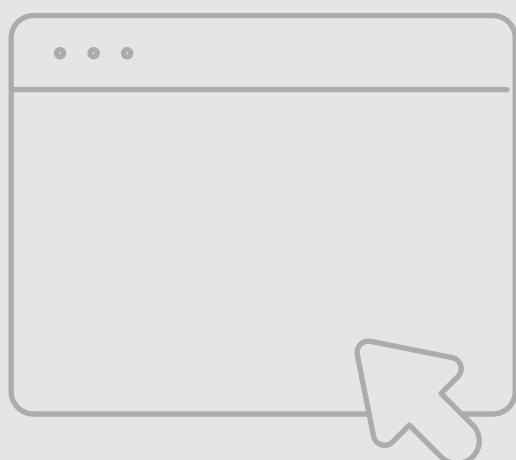
Auto Alerts

Receiving SMS alerts, especially in case of malfunction or when the part lifespan is approached.
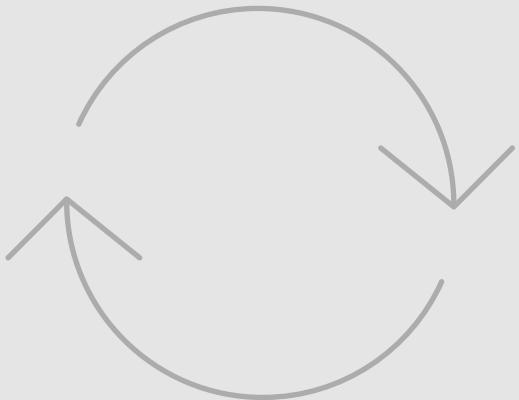
Continuous Updates

RND management constantly update the machines' OS, in order to increase the safety level, improve performance and quality, and add other features. This service contributes to updating the machines' OS continuously.

Auto Assistant System

It is a super smart system that functions if there are problems not identified directly. This system puts forward all the possibilities received within a few seconds, and then to issue a full report on the machine. Therefore, the system user can figure out the root causes of malfunctions without the need to make a site visit or conduct engineering diagnosis.

Displaying Solutions for Malfunctions

When human interventions are needed for repairs, this system displays solutions via videos, so that technicians or operators can know the required spare part and review the ideal repair method.
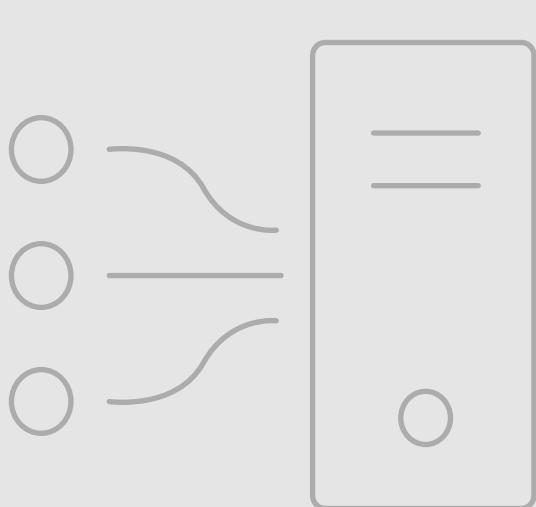
API Technology

It is a supplemental service for partners who have their own software, apps or ERP systems and wish to connect them to the machine's systems. This technology allocates solutions based on the needs of partners for nominal fees, while this feature does not need any additional devices.

Cloud Storage

It provides the ability to store and review all historical data of machines at anytime and anywhere, which protects such data from loss.

Auto Reporting

Wash-Cloud System features the ability to automatically report any malfunction without the need for any manual reporting procedure. Once reported, the maintenance staff handle the malfunction based on severity.

Remote Control

The ability to access the machines' systems for several basic and premium features using any electronic device (mobile or tablet) at anytime and anywhere around the world, while maintaining the highest safety standards without being present on the location of the machine.
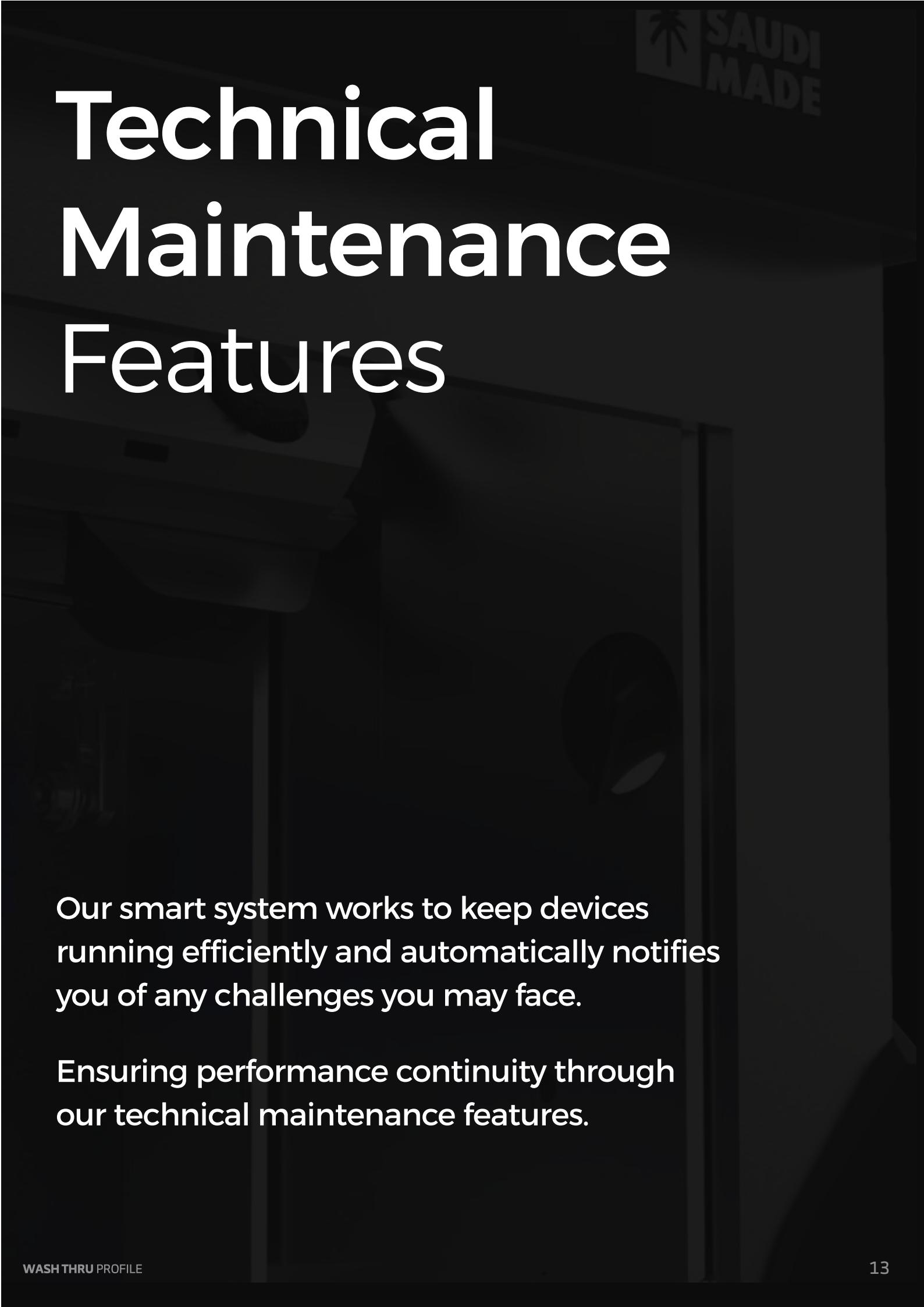
Technical Maintenance Features

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
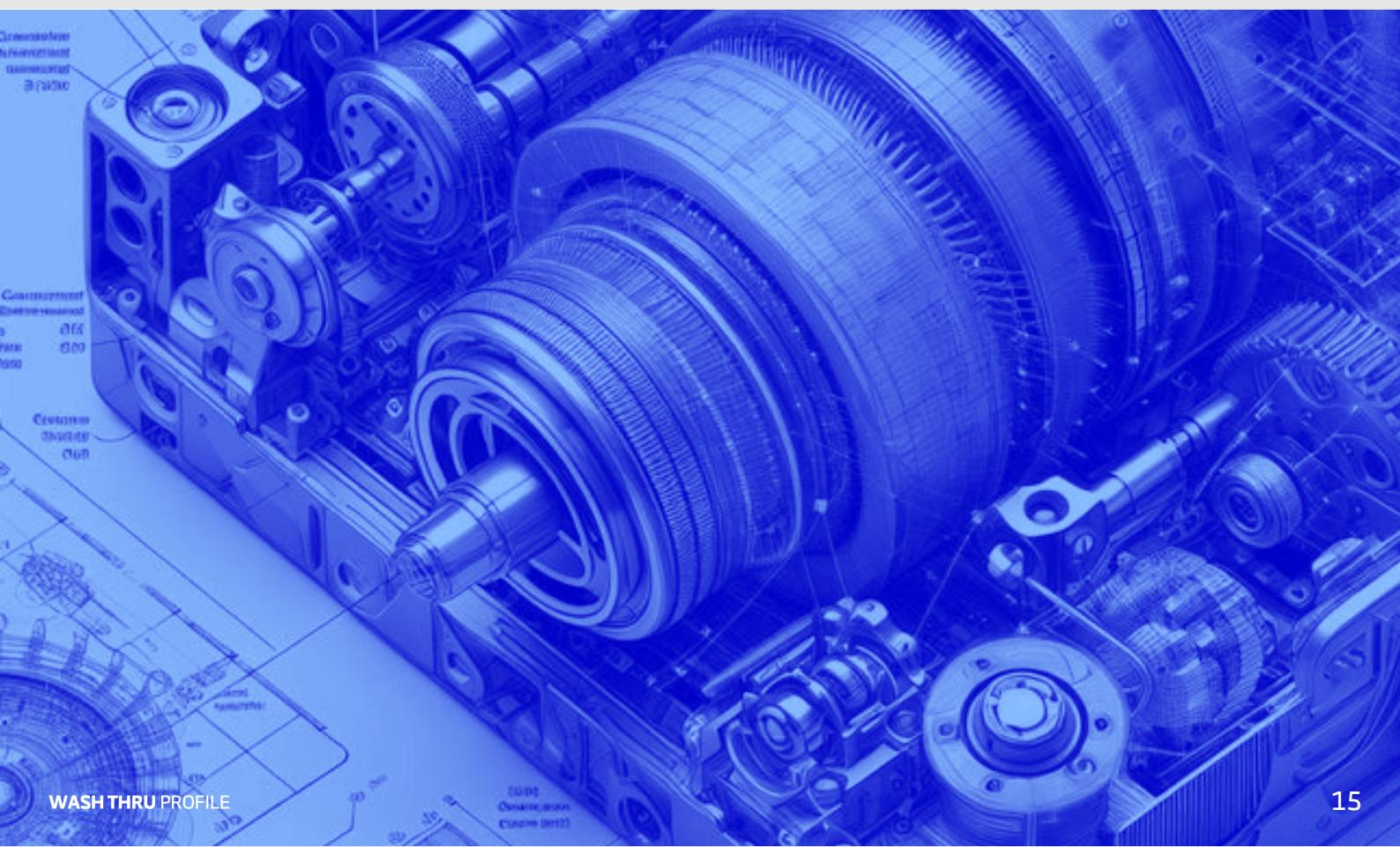
Safety

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.
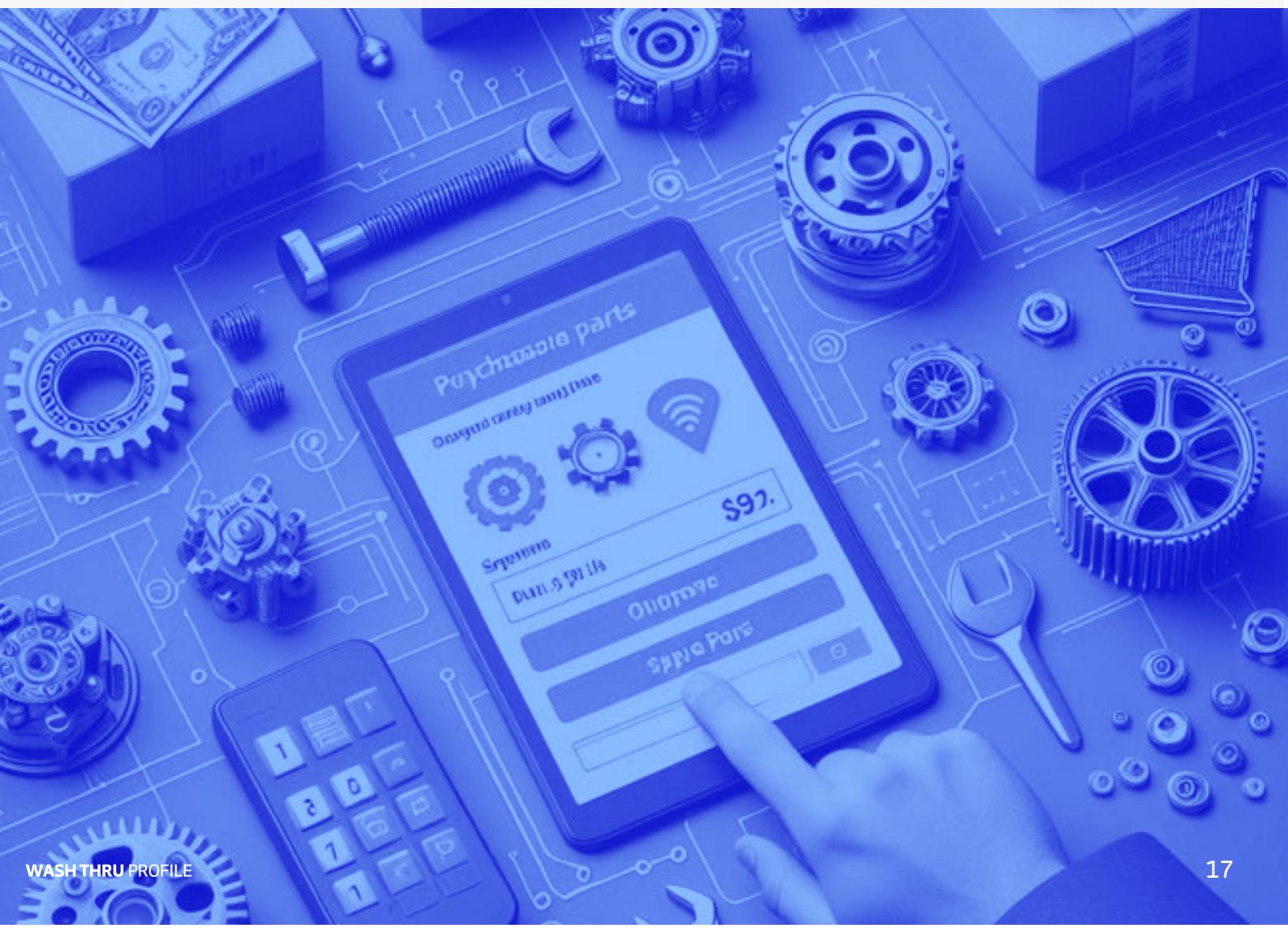
Operational Technology Features

Excellence in operational performance with our advanced technology features!
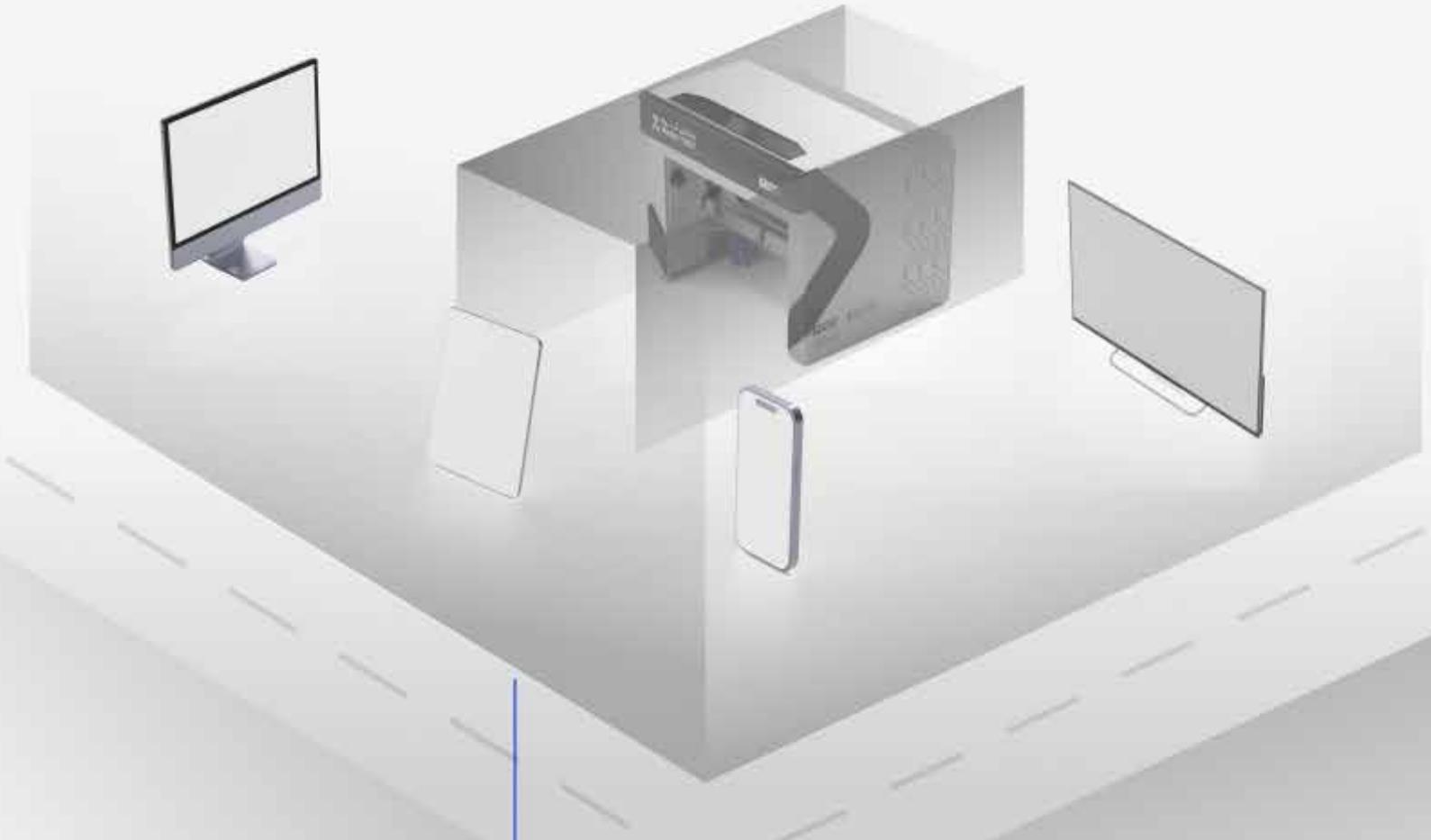
We combine efficiency and innovation.

Separate pre-wash gate

Chemicals for pre-washing the body and edges are sprayed (6 nozzles) using a precise dosing pump.

This reduces the wash time by 1-2 minutes.

Communication Screens

Up to 6 screens can be connected:

Ability to link screens for simultaneous content transmission or to play recorded content.

| 1 | 2 | 3 | 4 | 5 | 6 |

Auto Tuning Technology

This technology allows the machine to automatically reset the adjustments after each wash without human intervention.

Brushes

Operate with a high degree of safety for the car.

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

- Hindi
- English
- Arabic
- Bengali
- Urdu

Support for Monitoring/ Control

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

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.
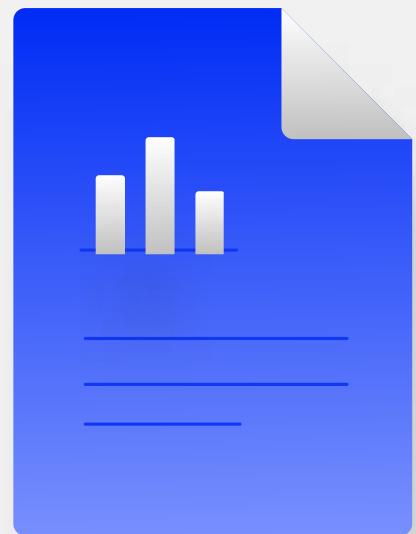
Customer Loyalty Programs

- 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.

Self-Service Machine

Gate with camera

The Machine operates automatically after payment is completed.

Safety Specifications

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

- ✓ **Pressure sensors for dry operation protection (digital and analog).**

- ✓ **Safety system for communication in case of backup failure via (SMS-WIFI-Cable).**

- ✓ **Overcurrent and undercurrent protection system.**

- ✓ **Monthly reports on replaceable parts, and it sends requests for the replacement of consumable parts.**

- ✓ **Stage sequence sensor for continuous safety in each stage.**

- ✓ **Dual protection system for top drying (Infrared sensors + Ultrasonic wave sensors) - for ultimate protection.**

- ✓ **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 (open/close/lift/lower).**

WASH THRU
واش ثرو

SAUDI MADE

SASO

ISO CERTIFIED COMPANY 9001:2015