

ISTOBAL M'WASH2



ISTOBAL
Vehicle Wash & Care

LE NOUVEAU M'WASH2

ISTOBAL perfectionne son portique de lavage M'START et présente le **nouveau ISTOBAL M'WASH2**.

C'est un portique de lavage et un système de séchage composé de deux brosses verticales et d'une brosse horizontale contrôlée par des variateurs de fréquence pour une meilleure qualité et un meilleur contrôle du lavage. Plus **flexible** grâce à différentes configurations possibles, il est **compact, présente une esthétique moderne** et une grande **polyvalence**.

Cet équipement marque une étape importante pour la **nouvelle génération de portiques de lavage ISTOBAL M'WASH**. Il dispose de la technologie la plus efficace et la plus connectée pour répondre à tous les besoins.



- ✓ Il est possible de définir 15 programmes pour améliorer l'offre commerciale et augmenter la rentabilité de l'entreprise.
- ✓ Connectivité unifiée avec l'écran tactile en couleur UNIFIED, il est donc possible de connecter intégralement la machine (compatible Smartwash à condition que le contrat le prévoie).
- ✓ Variateurs de fréquence pour mieux contrôler le réglage des brosses.
- ✓ De nouvelles options, comme le pré lavage chimique pour éliminer les moustiques et la haute pression avec des buses rotatives augmentent le prix moyen.
- ✓ Électrovannes haute pression empilables avec alimentation en courant continu pour réduire la consommation.
- ✓ Pompe de 21 l ou de 42 l intégrée pour minimiser les travaux d'installation ou de transformation de la zone de lavage.
- ✓ Amélioration de la répartition des liquides grâce à l'injection de produits chimiques après les électrovannes et au double injecteur, ce qui permet d'ajouter davantage d'options pour les produits chimiques dans les portiques de lavage.
- ✓ Nouvel aspect des carénages, des lampes et des vinyles pour améliorer l'expérience utilisateur.
- ✓ Meilleure application de la mousse grâce aux buses supérieures qui atteignent tout le profil du véhicule.

SPÉCIFICATIONS ET CARACTÉRISTIQUES TECHNIQUES



TECHNOLOGIE INNOVANTE avec de nouveaux écrans tactiles

Meilleure automatisation des contrôles et performances plus élevées. Il est possible de définir jusqu'à 15 programmes.

Le poste de commande permet de raccorder tous les composants externes de la machine. Deux options pour l'écran :

- > **écran tactile couleur UNIFIED de 7 pouces** intégré au poste de commande. Il facilite le raccordement et le contrôle de toutes les options installées sur le portique de lavage. Il permet de connecter intégralement la machine, compatible Smartwash à condition que le contrat le prévoie.
- > **écran tactile de 4 pouces** : Intégré au poste de commande, il facilite le contrôle de toutes les options de la machine.

Polyvalence grâce aux différentes combinaisons de dimensions

Construction robuste et compacte, disponible en quatre hauteurs et deux largeurs de lavage différentes :

DIMENSIONS DE LAVAGE				
HAUTEUR DE PASSAGE DU VÉHICULE	2300	2500	2700	2900
LARGEUR DE PASSAGE DES VÉHICULES	2400 2600	2400 2600	2400 2600	2400 2600
LONGUEUR DU RAIL	9000	9000	10 000	11 000
LARGEUR MINIMALE DE LA MACHINE*	3800 4000	3800 4000	3800 4000	3800 4000
LARGEUR MAXIMALE DE LA MACHINE**	4145	4145	4145	4145
HAUTEUR HORS TOUT DE LA MACHINE	3083	3313	3513	3713

* Comprend la chaîne d'approvisionnement
** Comprend la chaîne d'alimentation et boucliers anti-éclaboussures en option

Toutes les dimensions sont en mm.



CONFIGURATEUR DE PROGRAMMES Plus grande flexibilité

Le système de programmation souple qui équipe de série les portiques de lavage ISTOBAL M'WASH permet de **personnaliser chaque programme de lavage de manière simple et intuitive.**

Il est ainsi possible de régler facilement les vitesses, les dosages, les codes lumineux et d'autres fonctions selon les besoins des programmes de lavage sélectionnés.

Lavage optimisé grâce à l'inclinaison des brosses

Contrôle précis du lavage grâce à l'inclinaison de 10° des brosses latérales.

Le système d'inclinaison conserve le contrôle en position inclinée et verticale.



NOUVELLE IMAGE

Le nouveau M'WASH2 présente une nouvelle esthétique : **les nouveaux carénages avant et arrière** ont des formes plus arrondies et plus douces. En ce qui concerne **l'éclairage à LED**, une attention particulière a été portée au pictogramme et à la zone de positionnement qui respectent le style de toute la gamme M'WASH.

COULEURS DES CARÉNAGES

RAL 9016*

RAL 9010

PANTONE@Cool Gray 1C

RAL 1013

RAL 7040*

RAL 9006

RAL 1021

RAL 2004

RAL 3020

PANTONE@ 348 C

RAL 5015

RAL 5003

*Sans frais

Voir le nuancier ISTOBAL pour les autres couleurs



COULEURS DES BROSSES

Bleu ciel

Bleu outremer

Bleu saphir

Bleu cobalt

Lilas

Noir graphite

Gris clair

Gris anthracite

Jaune soufre

Orange

Rouge fraise

Vert citron

Vert émeraude

Vert sapin

SÉCURITÉ

✓ Dans la station de lavage

> Signal sonore en cas de mouvement

Nécessaire sur les machines sans opérateur.

> Arrêt au moyen du klaxon

Nécessaire pour les installations utilisant l'APPLICATION.

> Alarme en cas d'anomalie externe.

✓ Sur la machine

> Profilés intérieurs

Système de sécurité pour éviter que le véhicule ne soit mal positionné.

> Profilés extérieurs

Système de sécurité requis lorsqu'il y a moins de 0,5 m entre la machine et la surface adjacente : clôture, pilier, murs, etc.



FONCTIONS EN OPTION

✓ SÉCHAGE

Séchage de 13,6 kW (2x3,8 kW + 2x3 kW), avec buse horizontale 2D et déflecteur en option pour de meilleurs résultats à l'arrière du véhicule.

Débit optimisé et silencieux pour une pression sonore réduite.

✓ ÉCRAN ANTI-ÉCLABOUSSURES

Rideaux en acrylique et renforts en aluminium intégrés à la structure de la machine selon une conception sûre et pratique. Cette option est recommandée pour éviter les éclaboussures pendant le lavage.

✓ HAUTE PRESSION

Différentes options de pré-lavage haute pression pour améliorer le lavage à la brosse qui suit.

NOUVEAU

> **Haute pression côté fixe** : il est équipé de buses de pulvérisation en forme de ventilateur pour assurer une meilleure couverture pendant le pré-lavage. C'est le complément parfait pour un lavage complet.

> **Haute pression latérale avec buse rotative** : spécialement conçue pour obtenir un meilleur résultat sur la partie inférieure du véhicule.

> **Haute pression plus élevée sans mesure préalable du véhicule avec des buses rotatives**. Option de débit des gouttes plus rapide et plus faible.

> **Rotation horizontale haute pression** Spécialement conçue pour éliminer les moustiques et les autres insectes collés.

Pompe de 21 l/min ou de 42 l/min intégrée :

ISTOBAL intègre une pompe haute pression de 21 l/min ou de 42 l/min à la colonne. Cette option haute pression latérale évite le coût d'un montage externe de ces types de pompes dans le local technique.

QUALITÉ DE LAVAGE

TAILLE DE ROUE



+1 ★ en qualité : Dans tous les cas, ajout d'une aspersion chimique pour jantes.

☑ LAVE-ROUES

- **Lave-roues à disque** : Système de lave-roues avec brosse. Peut être équipé de brosses 19 et 21 pouces.
- **Lave-roue à disque haute pression avec 2 buses** : Il permet un nettoyage approfondi des roues et du dessous du véhicule. Son double sens de rotation permet d'obtenir de meilleurs résultats avec les nouveaux types de pneus.
- **Lave-roue à disque haute pression avec 4 buses** : Grâce à ses 4 buses réparties sur chaque disque, il permet de laver les grandes jantes tout en améliorant le lavage dans la zone des passages de roue.
- **Lave-roues haute pression avec buses rotatives** : Réussissez le un lavage parfait des jantes sans contact grâce à six buses rotatives.

IMPORTANT : une aspersion chimique est nécessaire avant le lavage pour que les roues soient parfaitement propres. L'aspersion moussante chimique pour jantes est l'option recommandée.

Brosse lave-roues multi-disque

Avec huit brosses internes autonomes qui nettoient en profondeur toutes les jantes, même les plus complexes.

Son mécanisme novateur favorise la rotation indépendante des brosses en détectant les frottements, ce qui lui permet d'atteindre toutes les rainures des différentes jantes du marché.

Ce nouveau système mécanique est intégré à la brosse, il est donc facile d'équiper n'importe quelle machine à laver sans mécanisme supplémentaire. Également disponible avec brosse lave-roues haute pression.



☑ APPLICATIONS DE PRÉLAVAGE CHIMIQUE

Les pulvérisateurs de nettoyage disponibles sont :



NOUVEAU

Aspersion chimique pour éliminer les moustiques :

Formule spéciale pour éliminer les insectes et la saleté qui se collent sur les véhicules.



NOUVEAU

Spray chimique moussant pour les jantes :

pour dissoudre la saleté déposée sur les jantes et faciliter le nettoyage avec le lave-roues.



AMÉLIORATION

Aspersion chimique moussante latérale :

spécialement conçue pour les salissures tenaces, elle permet d'obtenir des résultats de nettoyage exceptionnels.

Les nouvelles buses gicleurs dans les coins supérieurs assurent le nettoyage de toute la surface du véhicule.



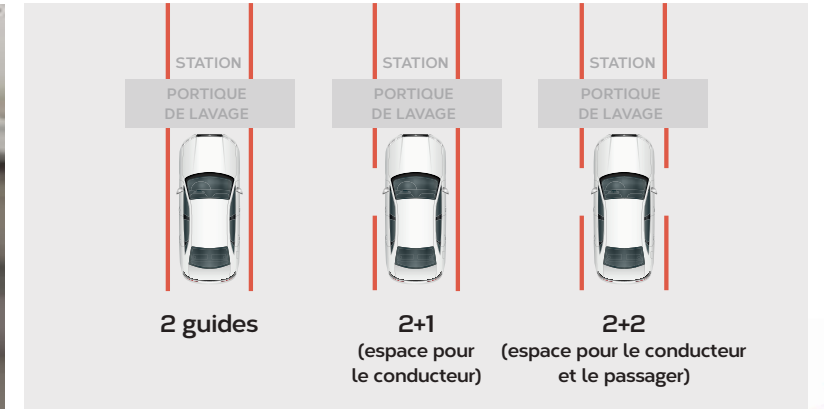
☑ APPLICATIONS POUR UNE MEILLEURE FINITION

AMÉLIORATION

- **Polish Wax** : option recommandée pour un effet miroir. Après l'application, les brosses l'étalent sur la carrosserie renforcer la brillance tout en préservant la peinture.
- **Super Wax** : système d'application de la cire de séchage avec effet brillant (sans cire) pour protéger le véhicule. Confère un éclat durable.

☑ GUIDES À LED EN ACIER INOXYDABLE

Guides de centrage à LED en acier inoxydable. trois configurations possibles





✓ RÉVOLUTIONNAIRE ET PERFECTIONNÉ

Le système révolutionnaire de fixation des brosses Link-it® d'ISTOBAL va encore plus loin. Il évolue grâce à un mécanisme monobloc qui réduit le poids de la brosse et facilite l'installation, l'entretien et le remplacement du matériel de lavage.

✓ DURABLE ET FIABLE

Le système Link-it® est conservé lors des changements de brosse, ce qui permet de réduire de 50 % l'impact environnemental causé par le recyclage des déchets. De plus, il est possible de réduire de 70 % le transport et le stockage du matériel de lavage par rapport à un système de brosses classique.

Il présente également une résistance élevée aux chocs, à la température et aux contraintes mécaniques et les produits chimiques ne le détériorent pas.

Avantages

- Entretien rapide et économique
- Montage plus facile
- Efficacité maximale pour un coût minimal
- Matériau interchangeable et jetable
- Respect maximal de l'environnement



✓ Codec

- > Écran LCD à contraste élevé de 4,3 pouces.
- > Pavé numérique pour le code en INOX.
- > Systèmes de paiement pour cartes bancaires et mobiles.
- > Lecteurs de codes-barres ou cartes de fidélité.
- > Montage sur socle ou mural.
- > Robuste et protection contre les intempéries et le vandalisme.
- > Économique et facile à amortir.
- > Fonctionnement codé possible, pas de connexion au terminal du magasin.



✓ Connect-a

- > Écran LCD à contraste élevé de 4,3 pouces.
- > Pavé numérique pour le code en INOX.
- > Système de validation de la monnaie ou des jetons.
- > Différents systèmes de paiement pour carte bancaire ou mobile.
- > Lecteur de codes-barres et cartes de fidélité en option.
- > Montage dans une armoire, sur un socle ou au mur.
- > Nombreuses couleurs disponibles.
- > Résolution des problèmes au moyen de l'option de communication.
- > Possibilité d'intégrer un équipement de commande dans la version armoire.



✓ Connect-a Touch

- > Écran couleur TFT de 8,4 pouces avec écran tactile pour la sélection des options et les codes.
- > Système de validation de la monnaie ou des jetons.
- > Différents systèmes de paiement pour carte bancaire ou mobile.
- > Lecteur de codes QR et cartes de fidélité en option.
- > Montage dans une armoire, sur un socle ou au mur.
- > Nombreuses couleurs disponibles.
- > Résolution des problèmes au moyen de l'option de communication.
- > Possibilité d'intégrer un équipement de commande dans la version armoire.
- > Fonctionnement semblable à celui d'un kiosque pour permettre des services supplémentaires.

PRE-WASH INSECT & RIMS

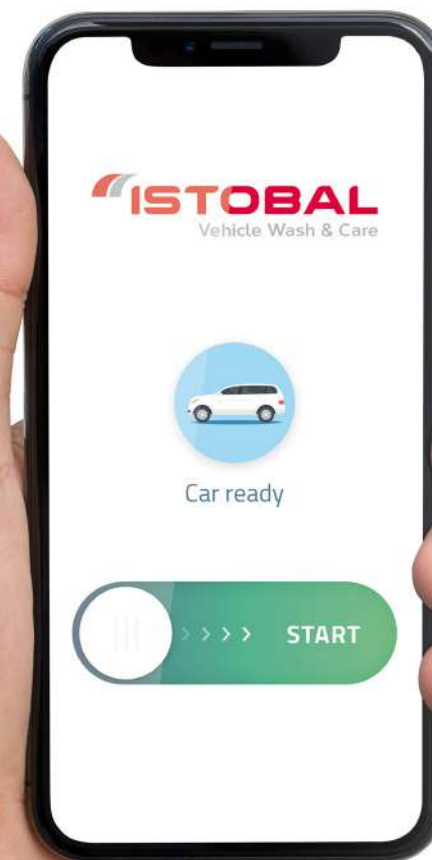
Prélavage 2 en 1 très concentré moustiques et jantes. Élimine les insectes et les fientes d'oiseaux sur la carrosserie du véhicule et fait également office de nettoyant efficace pour les roues.

SHAMPOO CLEAN & CARE PLUS

Shampooing de qualité spécialement conçu pour le lavage à la brosse dont l'utilisation continue empêche la formation de saletés et de dépôts de calcaire, ce qui facilite l'entretien des brosses et favorise un lavage de qualité.

RAIN WAX PLUS

Cire de qualité pour la pluie qui permet d'obtenir un brillant extraordinaire et un séchage exceptionnel. Cette cire hydrofuge disperse la pluie lorsque vous roulez à plus de 80 km/h. Effet anti-pluie et brillance longue durée.



Dans un monde numérique, il va sans dire que votre installation de lavage des voitures doit également être numérique. ISTOBAL augmente la rentabilité et le temps de fonctionnement de vos machines en vous fournissant des services de maintenance et de gestion avancés, ainsi qu'un accès aux données de vos équipements.

Vous pouvez également accéder aux données comptables grâce à une plateforme qui fournit aux différents points de vente des informations concernant les dépenses liées aux consommables. Gérez intelligemment votre installation, augmentez son efficacité et procurez à vos utilisateurs la meilleure expérience de lavage.



SERVICE PRODUITS CHIMIQUES

ISTOBAL esens® est la formule idéale pour tirer le meilleur parti de votre équipement de lavage et procurer une expérience unique aux utilisateurs. Nos conseillers expérimentés, qui forment un vaste réseau, vous conseilleront sur les meilleurs prélavages, shampooings ou cires, pour que vous obteniez les meilleures performances possible. Tirez parti des services pour les produits chimiques, tout en sachant que vous pouvez toujours compter sur les produits ISTOBAL.



SERVICE TECHNIQUE

ISTOBAL propose les services d'assistance technique les plus complets et les plus avancés au monde pour les équipements de lavage. Le service technique d'ISTOBAL se tient à votre disposition et propose une maintenance prédictive ainsi qu'une assistance à distance pour assurer la maintenance de manière la plus rapide et la plus efficace possible. Tirez parti des différents contrats de maintenance, évitez les soucis ou les mauvaises surprises et laissez-nous nous occuper de tout !



SERVICE MARKETING

Nous voulons que votre entreprise se développe, c'est pourquoi nous proposons des campagnes marketing pour stimuler les ventes, augmenter la fréquentation et créer la confiance et la collaboration dont vous avez besoin pour fidéliser vos clients. Une présence 100 % ISTOBAL soigneusement gérée, des affiches, des banderoles publicitaires et l'évaluation des promotions et des campagnes commerciales vous aideront à développer votre entreprise.



Nous vous invitons à vous rendre à l'ISTOBAL EXPO, un showroom situé à notre siège social à L'Alcúdia, à Valence, en Espagne, pour y découvrir nos derniers produits et solutions, ainsi que le portique de lavage ISTOBAL M'WASH3.

ISTOBAL M'WASH3



ISTOBAL
Vehicle Wash & Care

M'WASH3

ISTOBAL M'WASH3 offers an efficient and reliable wash solution designed to maximise wash quality and site productivity.

Thanks to frequency inverter-controlled movements and advanced technology, it delivers precise operation, outstanding ease of use, and an optimised experience for both operators and end users.

A solution belonging to the ISTOBAL M'WASH rollover generation, incorporating highly efficient, smart and connected technology to meet all car wash requirements.



ISTOBAL

M'WASH3



- ✓ Control electronics with decentralised peripherals for connection of the technical room elements.
- ✓ Frequency inverters for greater control of brush rotation.
- ✓ Better foam application thanks to the upper nozzles that reach the entire vehicle profile.
- ✓ 21L or 42L on-board pump to minimise set-up work and/or suitability of the wash area.
- ✓ Stackable high-pressure solenoid valves with direct current supply to reduce consumption.
- ✓ Fluid distribution with post-solenoid chemical injection and dual injector allow more chemical options to be included in rollovers.
- ✓ LED lighting with colour change effect for an improved user experience during washes.
- ✓ Integrated Infinite Mousse Foam Arch for improved bay space.

FEATURES AND TECHNICAL DATA

ISTOBAL M'WASH3

- ✓ **INCREASED CONTROL**
through frequency inverters regulating brush rotation, combined with software under continuous development.

The **ISTOBAL M'WASH3** rollover maintains speed and position control thanks to frequency inverters and encoders that allow **greater control** over brushes and horizontal drying, **reducing the time for the wash and drying service** by optimising the travel speed of the machine.

- ✓ **PROGRAMME CONFIGURATOR**

The flexible programming system fitted as standard with ISTOBAL M'WASH rollovers allows each wash program to be **customised easily and intuitively**.

This makes it possible to conveniently set speeds, dosages, light codes and other functions according to the needs of the selected wash programs.





ISTOBAL
M'WASH3



☑ **MORE EFFICIENT** thanks to high-pressure

Superior non-dual high-pressure system with zero angle nozzles, with the possibility of applying oscillating and lateral high-pressure in the same pass.

Faster because there is no need for pre-scan systems of the vehicle profile. Reduced incidence of dripping as it is not located directly on the vehicle.

☑ **GREATER VERSATILITY** with different size combinations

We continue with the height and width combinations in each model to cover all the wash needs of today's vehicle market.

Standard wash width 2.50 m at rear-view mirror height. Also available in 2.70m width.

**The most optimised ratio of the market,
up to 12 cm more passageway for the
vehicle with same machine width.**

WASH DIMENSIONS

VEHICLE PASS HEIGHT	2.100	2.300	2.400	2.500	2.600	2.700	2.800	2.900
TOTAL MACHINE HEIGHT	2.906	3.106	3.206	3.306	3.406	3.506	3.606	3.706
RAIL LENGTH	9.000				10.000 - 11.000			11.000
VEHICLE PASS WIDTH*	2.500	2.500 2.700						2.700
MINIMUM MACHINE WIDTH**	4.128	4.128 4.328						4.328
MAX MACHINE WIDTH***	4.313	4.313 4.513						4.513

* Measurement reduced by 100 mm with installation of internal safety profiles.

** Includes supply chain.

*** Includes power chain + optional splash shields.

All dimensions in mm.

UPDATED IMAGE

The ISTOBAL M'WASH3 rollover maintains the distinctive visual identity of the M'WASH range.

It features a contemporary, streamlined central fairing with more fluid visual lines and softened geometries, delivering a modern and robust aesthetic. The design is completed with a customizable color vinyl finish.

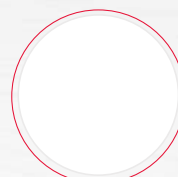
- LED lighting with colour change effect
- "DASH" Program Indicator Light
- M'WASH light positioner (left and right)
- Guides Centering LED lighting in stainless steel
- Programmable LED text light





ISTOBAL M'WASH3 COLOR SECTION

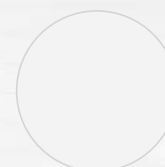
FAIRING



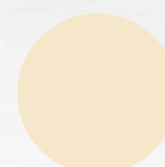
RAL 9016*



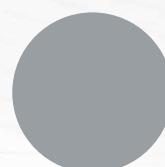
RAL 9010



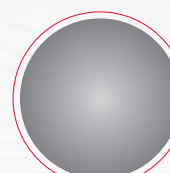
PANTONE® Cool Gray 1C



RAL 1013



RAL 7040*



RAL 9006



RAL 1021



RAL 2004



RAL 3020



PANTONE® 348 C

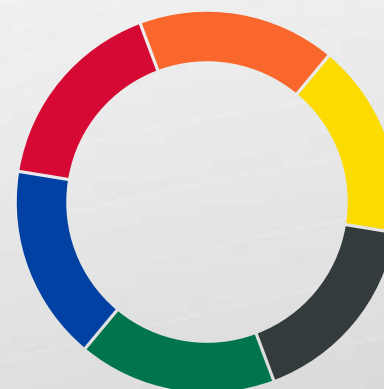


RAL 5015

*** No extra charge**

For other colours, see the ISTOBAL colour chart

VINYLS



FEATURES AND TECHNICAL DATA

✓ IMPROVED WASH QUALITY, due to the lateral inclination of the brushes.

ISTOBAL M'WASH3 achieves full control over the two tilt positions of the side brushes.

The 10° inclination of the vertical brushes ensures an open angle for **more precision and optimised washing** than in combination with the horizontal brush, perfecting the wash of any vehicle shape.

All with **maximum brush stability** throughout the entire process.

✓ MORE COMPACT due to column design.

The machine includes up to 4 **side pipes completely flush with the column**.

Completely clean passageway, with no overhang, to avoid any contact with the rear-view mirrors of the vehicle.

Fully integrated piping elements and fairings on the columns enable a **clear view** and **improved aesthetics**.

Aluminium rails with closed profile and flush to the horizontal drying and brush guiding that integrate in its design anti-fall safety by blocking.

✓ INNOVATIVE TECHNOLOGY with touchscreen interface.

- **UNIFIED 7" colour touch screen**- integrated in the operating station, makes it easy to connect and control all the options installed in the rollover. It makes the machine 100% connectable - Smartwash ready - provided it is included in the contracting.





✓ INCREASED PERFORMANCE with the drying system.

The horizontal and lateral drying nozzle design maximises performance, minimising power consumption (1500 rpm engines) and noise emission (74.7dB in the 14kW combination).

- > **Two drying capacities** available:
 - 2 x 3 kw on side nozzles.
 - 2 x 4 Kw on horizontal nozzle.
- > **Difusor 3D Flow** improves the quality of horizontal drying, especially in the front and rear of the vehicle.
- > **Lateral drying** with optimised design that directs a large amount of air flow to the side and underside of the vehicle for optimal water transfer.
- > The machine is **programmable** by allowing different drying modes, from intense mode on the rear of the vehicle to express drying.



SAFETY

☑ On bay

- > **Acoustic movement signal**
Required on machines working in unattended mode.
- > **Horn stop**
Required for installations using the APP.
- > **External anomaly alarm.**

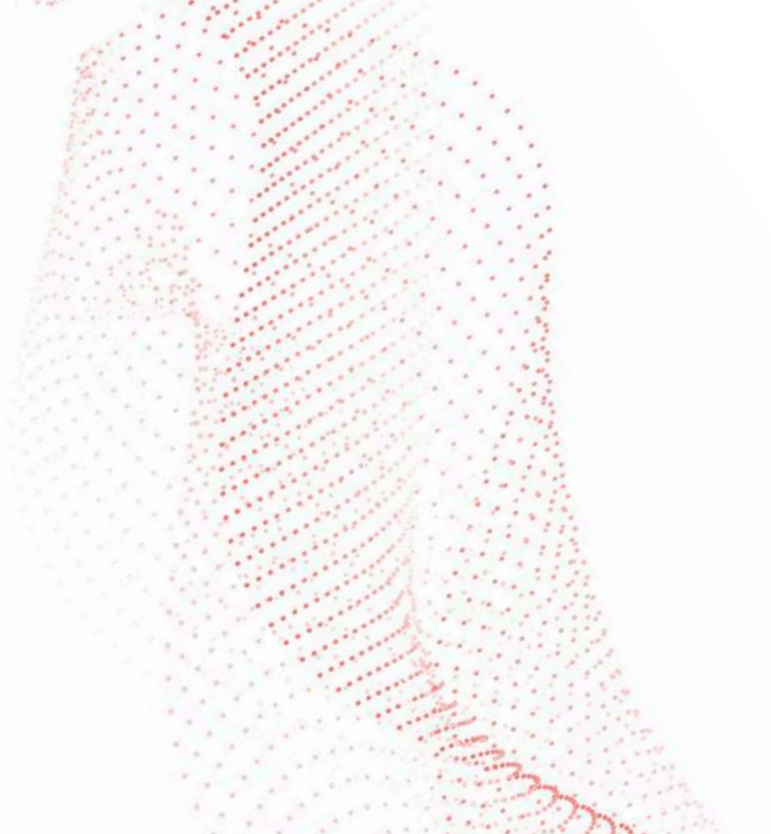
☑ On machine

- > **Interior profiles**
Safety system to prevent the vehicle from being positioned incorrectly.
- > **Exterior profiles**
Safety system required when there is less than 0.5m between the machine and the adjacent surface: fence, pillar, walls, etc.





OPTIONAL



☑ HIGH-PRESSURE

Different options for high-pressure pre-washes which prepare the vehicle to improve the result of the subsequent brush wash. Options range from 15 to 80 bar.

- > **Fixed lateral high-pressure**
For vehicles with coarse dirt such as mud.
- > **High pressure horizontal copying***
Specially formulated for cleaning insects.
- > **Oscillating side high-pressure system with high-impact rotating nozzles:** greater coverage and improved cleaning performance.

*Also available with high-impact rotating nozzles.

WASH QUALITY

WHEEL SIZE



21" DISC
WHEEL-WASH

19" DISC
WHEEL-WASH



HIGH-PRESSURE
WHEEL-WASH
ROTATING NOZZLES

21" HIGH-PRESSURE
DISC 2 NOZZLES
WHEEL-WASH

19" HIGH-PRESSURE
DISC 2 NOZZLES
WHEEL-WASH



21" HIGH-PRESSURE
DISC 4 NOZZLES
WHEEL-WASH

21" HIGH-PRESSURE
DISC 4 NOZZLES
WHEEL-WASH

19" HIGH PRESSURE
DISC 4 NOZZLES
WHEEL-WASH

+1 ★ in quality: Adding foaming chemical spray for wheels.

The double extendable version of the wheel-wash is available for wide machines.

✓ WHEEL-WASH

- **Disc wheel-wash***: Wheel-wash system with scrubbing brush.
- **High-pressure disc wheel-wash with 2 nozzles***: It allows special attention to be paid to the wheels and the underside of the vehicle. Its dual direction of rotation achieves better results in current tyre designs.
- **High-pressure disc wheel-wash with 4 nozzle***: thanks to its 4 nozzles distributed on each disc, it allows the washing of larger rims while improving the washing in the wheel arch area.
- **High-pressure wheel-wash with rotating nozzles**: It achieves optimal touchless rim washing with its 6 rotating nozzles.

* Available with different types of brushes.



IMPORTANT: For optimal wash on any wheel-wash, a chemical spray is required prior to the wash, the recommended option is the chemical foaming spray for wheels.



☑ INTEGRATED INFINITE MOUSSE FOAM ARCH

It provides a surprising way to wash the vehicle through a **foam curtain with ISTOBAL esens® chemicals** that deposits a layer of high-density product over the entire vehicle body.

With a pleasant scent **and LED lights** that make the car wash experience a spectacle.

Installed on the inner face of the back casing of the **rollover**, it is applied **in a passage independent** of the wash.

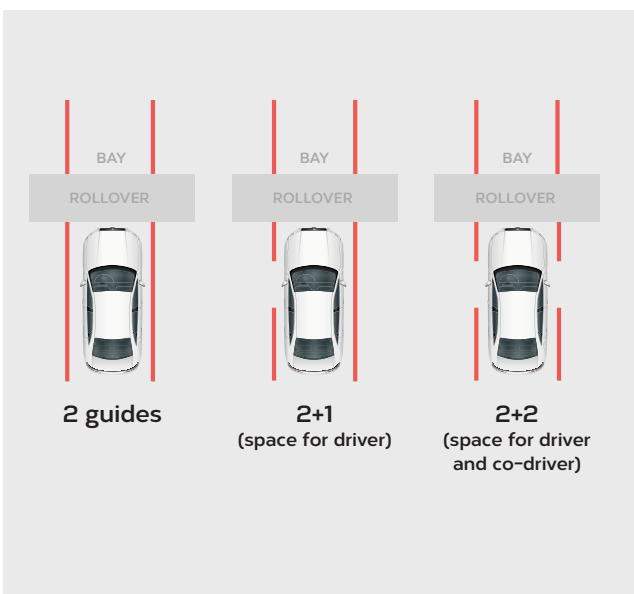
Two effect options available: waterfall and rain.



☑ CHEMICAL PRE-WASH APPLICATIONS

- > **Chemical foam spray.** For the most stubborn dirt, achieves an exceptional wash.
- > **Lower side chemical spray.** For better cleaning of vehicle skirting boards.
- > **Chemical mosquito spray.** Specially formulated for cleaning insects and dirt from impacts on vehicles.
- > **Chemical hot or cold spraying.** For the most difficult and stubborn dirt.
- > **Chemical spray on foaming rims.** To dissolve the dirt on the rim and make it easier to clean the wheel-wash.

* Options available for entire series.



☑ STAINLESS STEEL LED GUIDES

Stainless steel LED centring guides, three possible configurations.

CONNECTIVITY



TRANSFORM YOUR OPERATION WITH ADVANCED DIGITAL MANAGEMENT

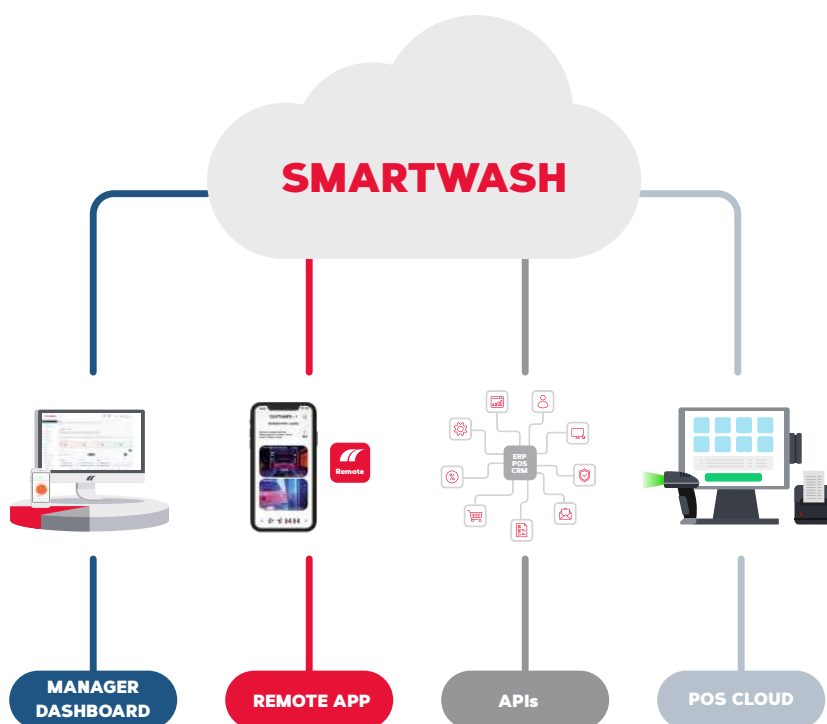
ISTOBAL connectivity optimizes installations to drive a more profitable, efficient and secure business. With Smartwash, full operational control is achieved, improving performance at all levels.

- ✓ **Availability**
Maximizes equipment uptime and increases profitability.
- ✓ **Efficiency and sustainability**
Monitors real consumption and optimizes each wash process.
- ✓ **Integrated management**
Improves maintenance, operations and staff management from a single platform.
- ✓ **CYBERSECURITY**
Connectivity solution designed according to the IEC62443 cybersecurity standard.



SMARTWASH BY ISTOBAL

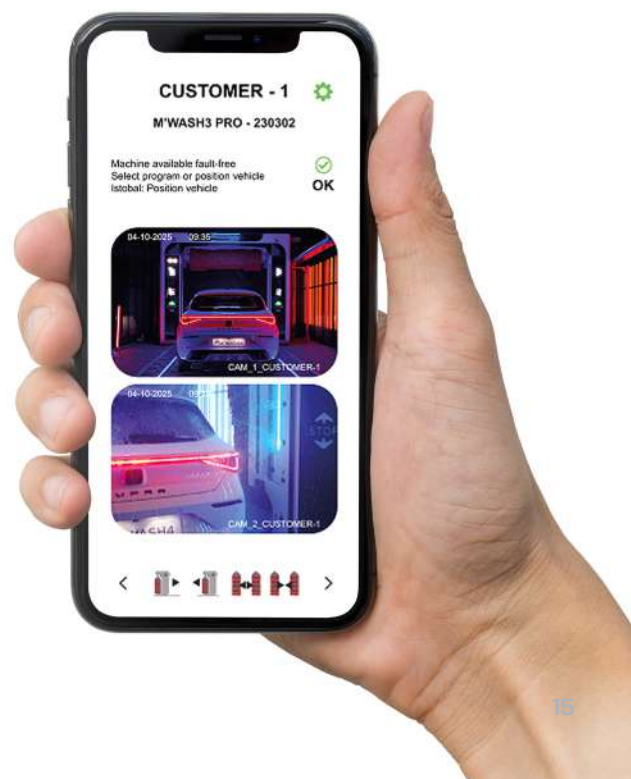
ISTOBAL's digital connectivity solution allows real-time monitoring and optimization of installations through data access, telemetry and preventive maintenance. Includes remote equipment management, fault and leak detection, consumption and chemical control, and user support for fast issue resolution.



TOTAL CONTROL, WHEREVER YOU ARE

Manage your installation from anywhere with the ISTOBAL Remote app (iOS and Android), with secure real-time access.

- > Remote incident resolution
- > Real-time monitoring of machine status
- > Remote operation with integrated camera support
- > Check programme counters



AND ALSO

Wash brushes



LINK FOAM

Now lighter and quieter

The foam brushes are made of modified EVA material. Lightweight, quiet and drip-proof, they have a high dirt-carrying capacity and high durability. The new material produces a smoother, quieter wash on the vehicle and contributes to a spectacular shine. A must-have for automatic washing in car washes.



LINK FEEL

Powerful cleaning for large vehicles

Polyethylene brushes are specially designed for washing large vehicles such as vans, trucks, buses and trains. They provide powerful, highly effective scrubbing to remove the most stubborn dirt from heavily soiled commercial vehicles.



ESFOAM

Durability made brush

Brush made of EVA rubber, which has the particularity of being denser than conventional brushes and, therefore, more durable. Especially recommended for the lower area of vertical brushes. Complete brushes can also be ordered with this material for intensive use (rentacar).

Drying brushes



LINK DRY

Porous, durable and highly efficient

The new EVA Expanso foam has a large number of pores of different sizes, which help to collect any possible drops left in the vehicle after airdrying in ISTOBAL tunnels. This material, together with the high rotational speed of the foam drying brush, makes it possible for the droplets to be sprayed into the environment.



Chemical Products

☑ PRE-WASH INSECT & RIMS

Highly concentrated 2-in-1 mosquito and rim pre-wash. Removes insects and bird droppings on vehicle bodies and doubles as an effective wheel cleaner.

☑ SHAMPOO CLEAN & CARE PLUS

Excellent shampoo specially designed for brush cleaning, the continuous use of which prevents soiling and slime formation, thus facilitating the maintenance of brushes and promoting a high-quality wash.

☑ MIRROR WAX CANDY PLUS

Next-generation wax with high water-repellent power. Ideal even with difficult water conditions. Provides extraordinary shine to the vehicle body and a differentiated user experience. Higher doses and/or subsequent brushing provide a rain-repellent effect. Fragrance: Sweet candy.

☑ POLISH WAX CARNAUBA PLUS

Recommended product for achieving a mirror effect. After application, the brushes massage into the surface of the vehicle to provide an extra shine while protecting the paintwork.

Instructions for the rollover

1

Always remember



2

Drive the vehicle to the position indicated by the rollover. Turn off the engine and apply the handbrake.



3

Once the vehicle has been properly positioned (red light on), the wash will begin after 3 seconds with an acoustic signal.



4

Once the wash is over and the lights are green, slowly and carefully drive your vehicle out



The company cannot be held liable for damage to vehicles due to failure to follow instructions or take the vehicle's previous condition into account, otherwise in case of an unauthorised type of vehicle (such as a van or a truck). It is also recommended to read the user manual.

1

Make sure your vehicle is well located.



2

Select the program you want.



3

Enter the amount (coins) to proceed with the payment and complete the operation. If it is by visa card, you must first confirm the payment method by card, and follow the instructions.



If you have bought the ticket in the store or in the app, manually enter the code in the payment terminal or bring the barcode to the reader.



4

Confirm for the wash to start.



EMERGENCY button

If the wash process needs to be stopped as a result of an emergency, press the **EMERGENCY** button.

PAYMENT TERMINALS

PAY'WASH

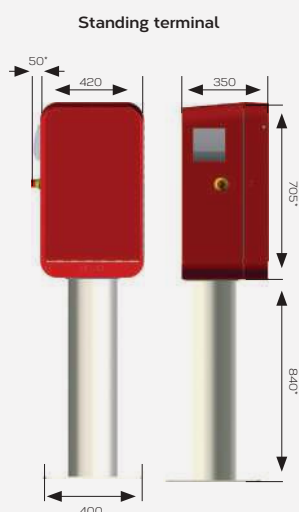
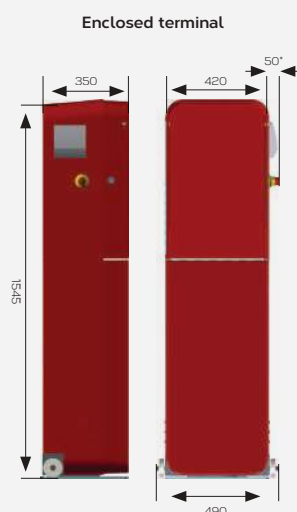
- ✓ The PAY'WASH payment terminal features a **15" touchscreen** as a user interface, improving the user experience.
- ✓ The completely intuitive **graphical interface** offers all the necessary information to the user regarding security, usage instructions, and program offerings.
- ✓ **Aesthetic design**, aligned with new market trends, with a highly technological look. Door colour **customisation** is possible and includes an RGB LED strip on the front.
- ✓ Payment terminal **compatible** with all ISTOBAL rollover wash systems.





CONNECT-A

- ✓ The CONNECT-A payment terminal **continues to come in a simple customisable design** with a range of available colours.
- ✓ The terminal is **manufactured in galvanised and powder-coated sheet metal for durability and strength in washdown and outdoor environments** (potentially in harsh weather conditions). In addition, options such as the lock and the safety door are available, offering protection against vandalism.
- ✓ There are **three installation option: enclosed, standing and wall-mounted**, users can easily adapt the terminal to different spatial configurations.
- ✓ **Unlike the CODEC, users can pay with coins, tokens and/or various bank card options.** Furthermore, the terminal can include a communications system to help settle any queries.



Assembly:

Enclosed terminal: The most robust option for outdoor use. Includes an optional vandalproof door and wheels for transport.

Standing terminal: can be installed at the entrance to a facility for easy user access.

Wall-mounted terminal: The ideal choice for enclosed facilities with a support wall.

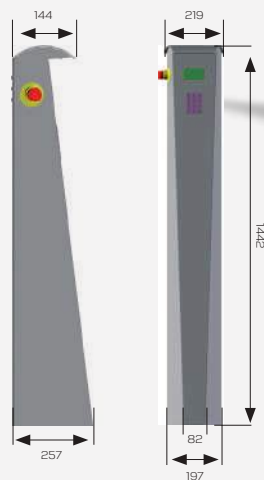


PAYMENT TERMINALS

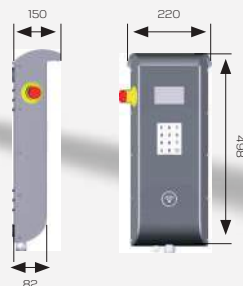
CODEC

- ✓ The design of the CODEC payment terminal is **elegant and yet simple**.
- ✓ The **stainless steel components** increase durability and resistance in outdoor washdown environments (potentially in harsh weather conditions).
- ✓ There are **two installation options – standing and wall-mounted** – users can easily adapt the terminal to different spatial configurations.
- ✓ Users can activate the wash options using a **bar code, QR code, digital input and/or loyalty card**. Some outlets also accept payments by bank card (check availability with the sales department).

Standing terminal



Wall-mounted terminal





☑ PAY'WASH

- > 15" TFT LCD (LED) display for outdoor use.
- > High luminosity and wide viewing angle in all directions.
- > Payment systems for bank cards and mobile phones.
- > Barcode/QR code and loyalty card readers (local and cloud).
- > Wide variety of colours.
- > Functional possibility for online and offline mode (not simultaneous).



☑ Connect-a

- > 4.3" High-Contrast LCD Display.
- > INOX code numeric keypad.
- > Coin and/or token validator.
- > Various payment systems for bank card and mobile.
- > Optional barcode reader and loyalty cards.
- > Cabinet, pedestal or wall mounting.
- > Wide variety of colours.
- > Resolution of queries via the communicator option.
- > Possibility to incorporate control equipment in cabinet version.

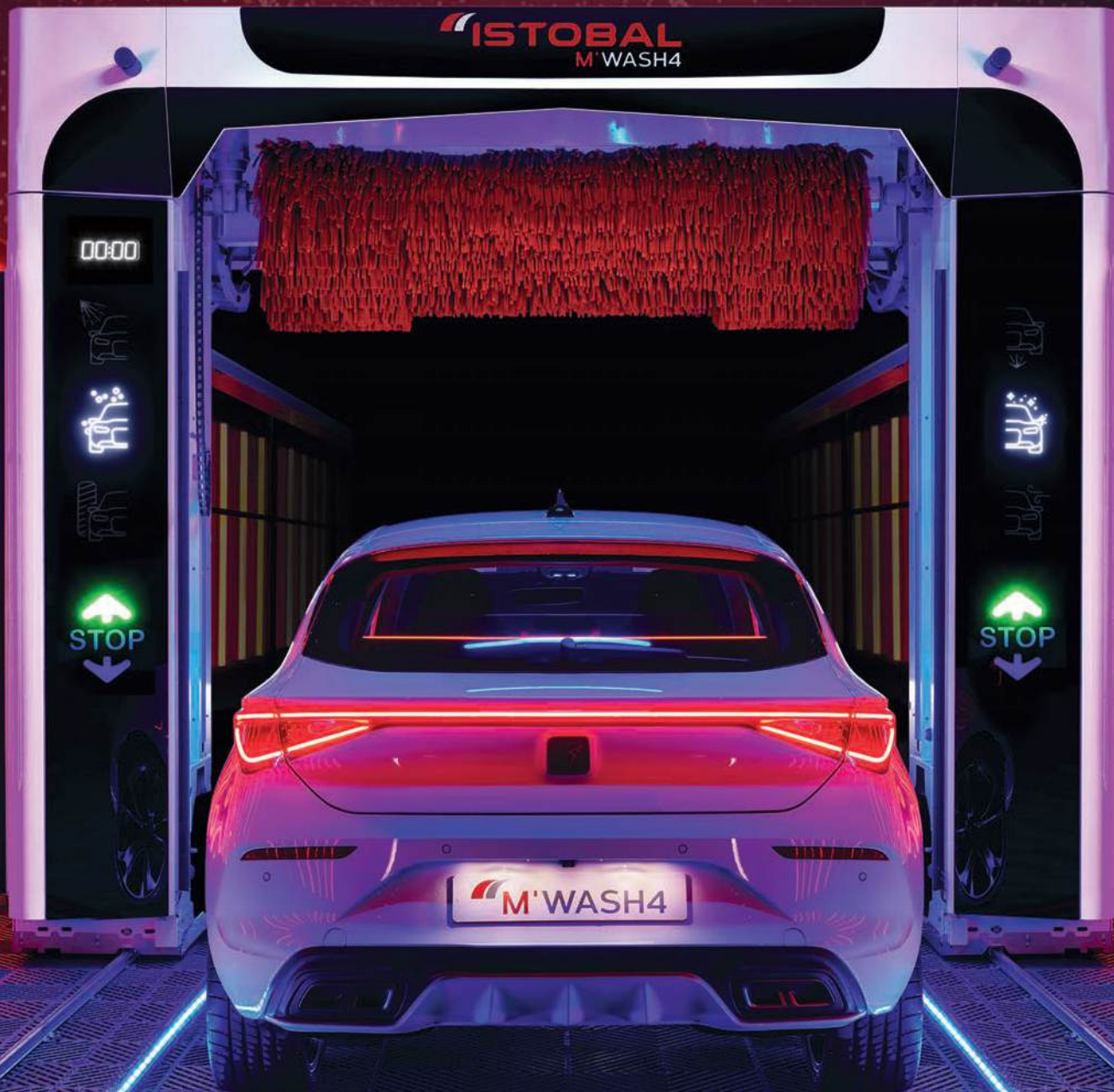


☑ Codec

- > 4.3" High-Contrast LCD Display.
- > INOX code numeric keypad.
- > Payment systems for bank and mobile cards.
- > Barcode readers or loyalty cards.
- > Pedestal or wall mounting.
- > Robustness and protection against adverse weather and vandalism.
- > Cost-effective and easy to amortise.
- > Coded operation possible, no connection to Terminal Shop.

ISTOBAL M'WASH4

ROLLOVER



NEW ISTOBAL M'WASH4 ROLLOVER

The new **ISTOBAL M'WASH4** rollover has arrived to transform the car wash business. Thanks to more efficient, more intuitive and more exciting technology. Our technology is more alive than ever, with this model destined for the most demanding markets and customers.

Discover the latest technology and expertise, to achieve the most impressive wash. **ISTOBAL M'WASH4**, the perfect proof that technology and emotion can be connected.





WHEN EVERYTHING CONNECTS, IT'S INCREDIBLE.

ISTOBAL M'WASH4 manages to connect technology with a vibrant design, maximum performance with the highest consumption efficiency and revolutionary drying with a more comfortable, fun, and safe user experience.

It wasn't easy to connect
everything.
But it was exciting!

We've put our heart into our technology to go even further, and create a new rollover that connects to the profitability of your business, with the confidence of those who work on a day-to-day basis, with the excitement of those who enjoy impeccable washing and, of course, to look after the planet.

THE NEW 360 EXPERIENCE



THE PERFECT WASH

- > **New high-pressure systems** to reach even the most hard to reach areas.
- > **Better application of chemicals** to affect the lower corners, sills and rear of the vehicle.
- > **Superior chemical spray** integrated into the drying process.
- > **New software** for more intensive and intelligent scrubbing and smoother machine movement.



THE REVOLUTION OF DRYING

- > **360° rotating drying process** with a longer route to reach the most difficult areas.
- > **Innovative adaptive side drying** with three self-adjusting positions.



THE MOST INTUITIVE TECHNOLOGY

- > **New touch-screen**, with more intuitive software, brings new solutions to programme configuration.
- > **Super-simplified brush** pressure setting
- > Includes "Smartwash ready" **connectivity function**



MAXIMUM PERFORMANCE

- > **Higher productivity** due to easier positioning and removal of the vehicle.
- > **Optimised brush movements** for more agile washing.
- > **Customisation of vertical brush scrubbing** and wheel washes for each program, resulting in improved adjustment of the washing time.



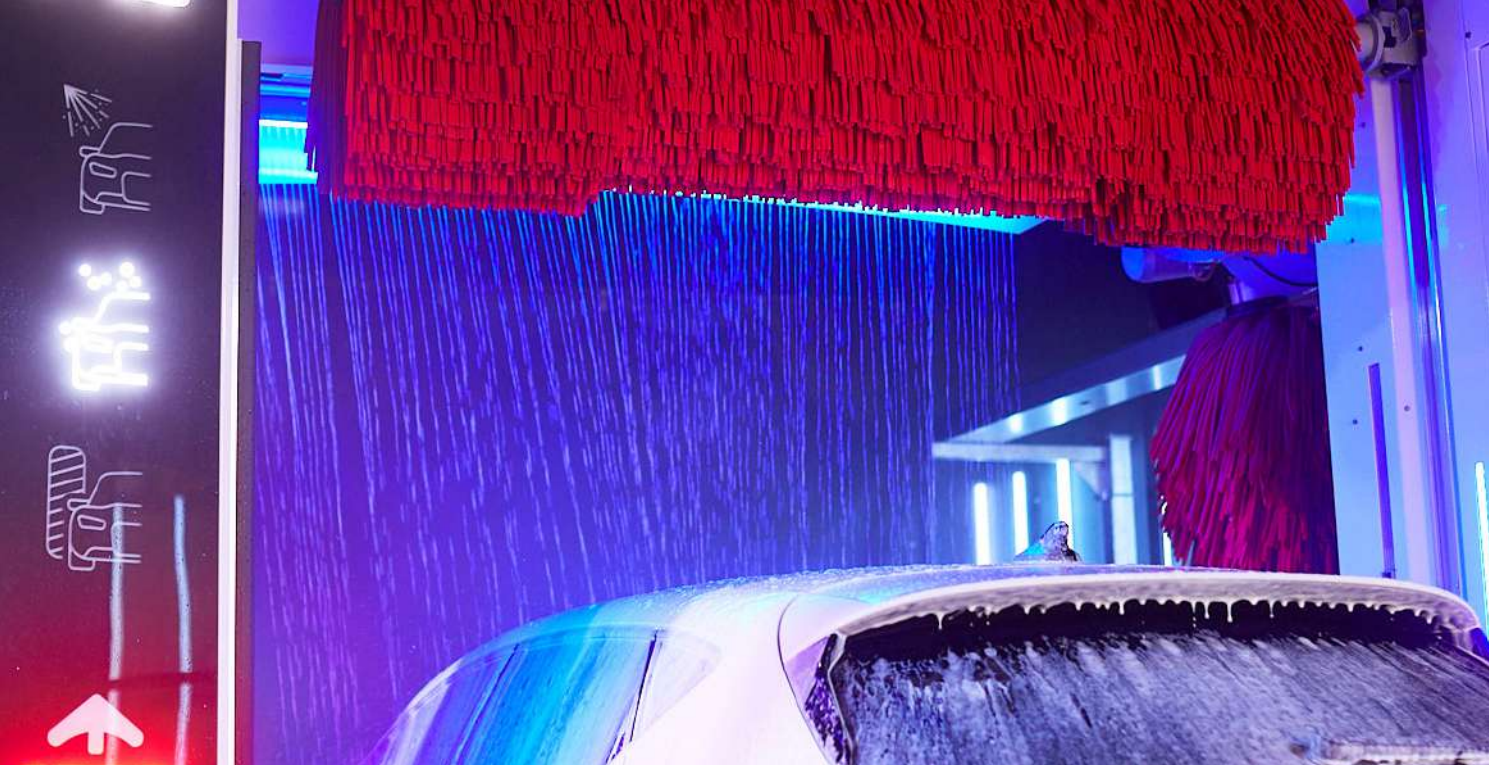
A SAFER EXPERIENCE

- > Integrated wheel wash and wider vertical brushes for **easy positioning and exiting of the vehicle**.
- Easy and secure access to repair and maintenance points.
- Unintended access points to the inside of the columns disappear.



WITH A DESIGN TO EXCITE

- > **Imposing image** inspired by home automation and electric vehicles.
- > **Sleek, elegant design** with soft lines and great visual cleanliness.
- > **User-oriented backlit** panels for easy visibility.
- Innovative use of materials** such as glass for aesthetics and functionality.



EXCELLENCE IN WASH QUALITY

- > The ISTOBAL M'WASH4 rollover **incorporates high lateral pressure with Dual-axis movement and 360° rotating horizontal high pressure.**
- > It also enables better application of chemical products with rotating nozzles in the lower section, for contact with lower areas of the vehicle.
- > Two top nozzles are added to cover the entire surface of the vehicle regardless of its shape or size.



MORE EFFICIENT AND ADAPTIVE BRUSHES

- > In addition to the tilting vertical brushes, both lateral and rear, the **new ISTOBAL M'WASH4 rollover software includes an improved system** that maintains the optimum scrubbing pressure constantly throughout the wash.
- > In addition, **the new software** for brush and wheel management boosts scrubbing where it is most needed, allowing different scrubbing options to be applied for each program.



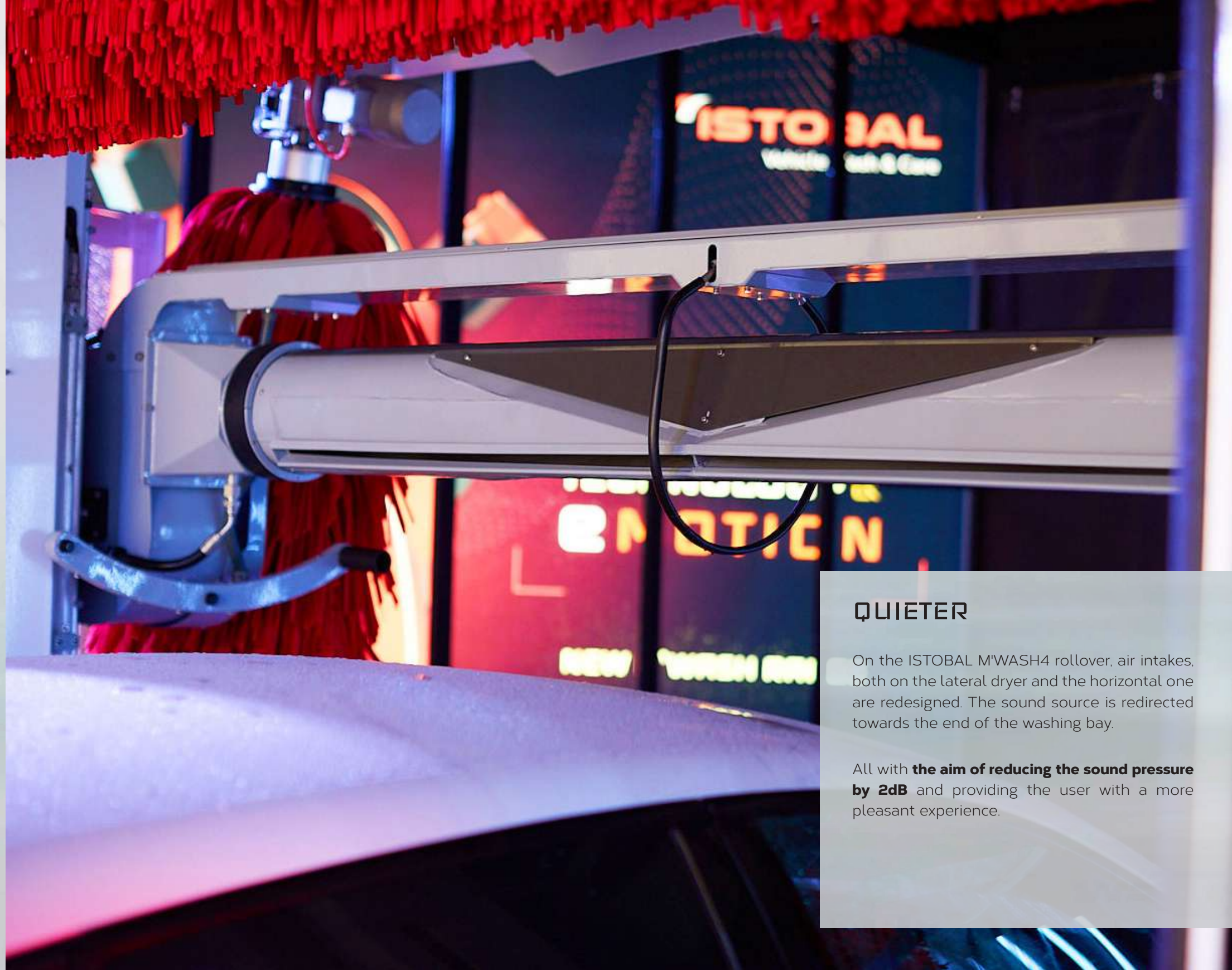
A NEW TWIST TO THE DRYING TECHNOLOGY

- > The new 360° horizontal rotary dryer directs the airflow in the most efficient way to achieve the best result.
- > The increased travel also allows **for better drying action in the lower rear areas – all with a lightweight construction and user-friendly design for a better user** experience.
- > The innovative side **drying** moves vertically, acting in **three different positions** to suit all types of vehicles.

QUIETER

On the ISTOBAL M'WASH4 rollover, air intakes, both on the lateral dryer and the horizontal one are redesigned. The sound source is redirected towards the end of the washing bay.

All with **the aim of reducing the sound pressure by 2dB** and providing the user with a more pleasant experience.





LESS CONSUMPTION, MORE PROFITABILITY



Reduced chemicals

The new dynamic chemical dosing system automatically adjusts the **amount of product to the speed of the machine**. This optimises the consumption of chemicals in combined cycles, in order **to reduce consumption** by half in these types of passes.



Less maintenance

The top-quality components used in the ITOBAL M'WASH4 rollover and the ease of maintenance **reduce the operating cost over the life of the machine**.

In addition, the machine's smooth, linear motion demands less of the mechanical elements, thus gaining **reliability** and **cost-efficiency**.



Less energy

The new horizontal drying system reduces **power consumption** with a lower installed output.



Less water

Redistribution of nozzles for the different hydraulic circuits to **optimise water consumption**.



SMART DESIGN

A SAFE BET TO BE THE BEST EXPERIENCE

The integration of the wheel wash into the column, the brush moving to the outside and the new design of the fairings provide the user with a better experience, providing increased safety and convenience.

In addition, this model enhances access for service and maintenance to ensure full **safety** for operators and technicians.

- > The impressive image of the ISTOBAL M'WASH4 rollover, **perfectly balanced between technology, design and experience**, is inspired by smooth lines and visual cleaning, with backlit panels facing inwards to make it easy for the user to see at all times.
- > The innovative use of high quality materials, such as glass, adds aesthetics and functionality, as it is easy to clean without fear of damage.
- > The integrated **wheel wash** and the increased opening of the vertical brushes create a broader feeling and increase safety for the user, who can position the vehicle and exit the wash bay more easily and conveniently.
- > The design is completed with backlit "invisible" positioning, pictogram lights also backlit and two RGB LED bars mounted on the inner side of the columns for an even more exciting wash experience.

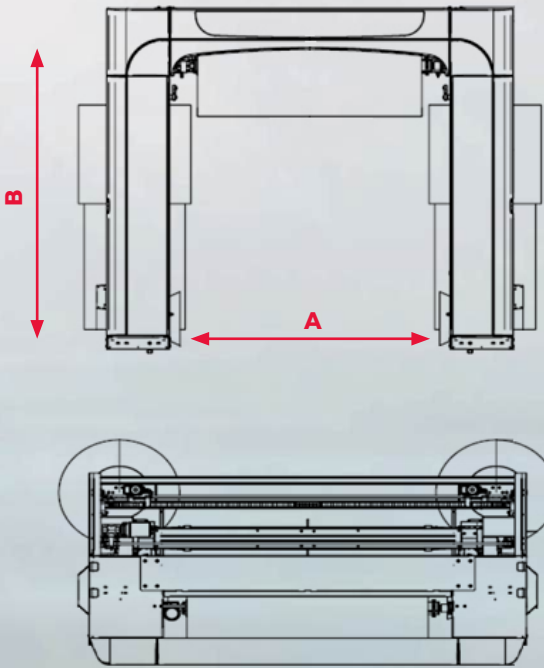


OPTIONAL FEATURES HIGHLIGHTS

- ✓ **Integrated disc wheel washer**
- ✓ **Side drying with dynamic height**
- ✓ **Indicator light** for time, temperature and remaining program time.
- ✓ **Mobile side high pressure**
- ✓ **High pressure, horizontal rotation**
- ✓ **Choice of pre-washes**
- ✓ **Infinite Mousse arch (Rain or Curtain version)**



MEASUREMENTS



WIDTH (A)	2,500 mm			2,700 mm		
HEIGHT (B)	2,300 mm	2,500 mm	2,700 mm	2,300 mm	2,500 mm	2,700 mm

THE MOST SIMPLE CONNECTIVITY

The touch-screen of the ISTOBAL M'WASH4 rollover control station is equipped with a more functional and intuitive **software that simplifies** the necessary queries and adjustments, such as the adjustment of the brush pressure.

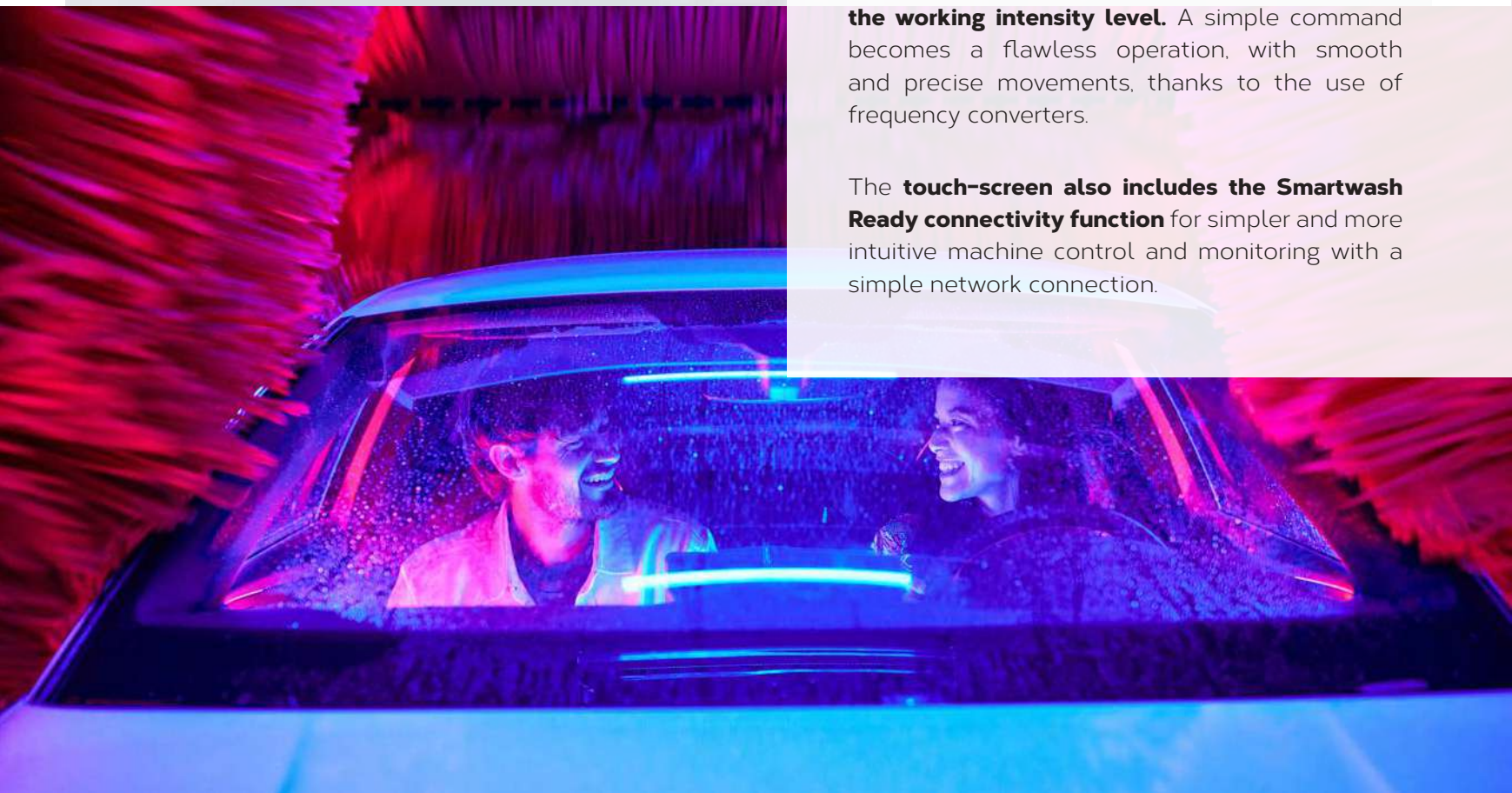
A simple interface makes it easy to regulate the working intensity level. A simple command becomes a flawless operation, with smooth and precise movements, thanks to the use of frequency converters.

The **touch-screen also includes the Smartwash Ready connectivity function** for simpler and more intuitive machine control and monitoring with a simple network connection.

ALL THE POWER OF DIGITAL MANAGEMENT

The ISTOBAL M'WASH4 rollover is ready for connection with **Smartwash by ISTOBAL**, the connectivity system that enables the wash facility to be managed digitally, with a focus on your customers and increased **profitability**. This technological solution enables the collection and analysis of economic and technical data from the facility as well as user behaviour via a control panel that is accessible **online** and in real **time**.

Smartwash by ISTOBAL puts a great deal of data at your fingertips so that you can make the best decisions for your **business**, enabling more efficient machine maintenance so that it is usable over greater periods of time, and also **improves your customers experience** by offering a faster, more convenient, intuitive wash **without getting out of the car**, thanks to the ISTOBAL mobile app.





A GOOD CONNECTION TO THE PLANET

The ISTOBAL M'WASH4 rollover is fully compatible with ISTOBAL's commitment to respect the environment.

Ecology is about consuming less and better. That's why it is important to not only ensure improvements in the consumption and efficiency of the new rollover, but also to complete the installation with water recycling equipment, capable of reusing 100% of the water and taking care of the quality of the effluent water, reducing the presence of hydrocarbons by 94%. This is made possible thanks to ISTOBAL's water treatment and recycling technologies.

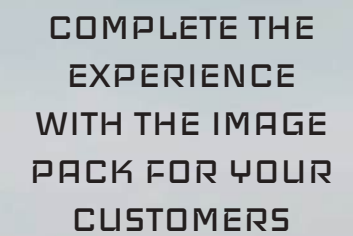
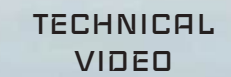


ISTOBAL M'WASH4 also connects seamlessly with ISTOBAL esens chemicals. They are all biodegradable and the quality and sustainability of many of them has been certified with different European standards (Swan Ecolabel, VDA, ÖNORM), which means they meet the highest environmental requirements. Moreover, by using our Xtract super-concentrated products, the plastics used in packaging and associated transport space are reduced by 90%.

In addition, the constant innovation to incorporate more and more reusable and recyclable elements into wash equipment, as well as to optimise consumption and improve efficiency in manufacturing processes, sets the tone for ISTOBAL in its commitment to ecology in the car wash sector.



We invite you to visit the ISTOBAL Expo located at our head office in Valencia, so that you can experience all the excitement of the new ISTOBAL MWASH'4 rollover, an experience that will make your heart beat faster. Until then, learn more right now by scanning these QR codes on your mobile.





ITOBAL HW'PROGRESS2
Machine-made progress



HW'PROGRESS2, a more efficient wash

The ISTOBAL HW'PROGRESS2 model from the washing range for industrial vehicles has an optimal design incorporating comprehensive technological innovations as currently on demand by transport businesses.

The latest evolution of the ISTOBAL HW'PROGRESS2 industrial vehicle car wash incorporates an optimised redesign of the hydraulic circuit that provides optimum washing with up to 25% less water consumption and using up to 6% less energy.

The sectorisation of the water circuit for brush rinsing, which allows the water flow to be cut off to the horizontal brush while it is not working, together with the resizing of the main water supply, enables optimisation of the main water pump.

ISTOBAL HW'PROGRESS2 is the most flexible industrial vehicle car wash on the market, capable of covering all segments, from vans to irregular vehicles, and other vehicles with special characteristics.

The equipment is made up of a robust cubic structure made of hot-dip galvanised steel and has vertical brushes with a double scrubbing function and shampoo injection using a dosing pump.

A flexible configuration with up to 31 programs and functions which the customer can freely select, a touchscreen control panel and various types of connections for supplying the rollover: by chain, loops or via a fixed or pendulum post. The structure of the rollover can be customised in 23 different colours and the polyethylene brushes come in 4 colours to adapt to any brand image.



WASH DIMENSIONS

WASH HEIGHT	3.610 / 3.880	3.730 / 4.000	4.230 / 4.500	4.730 / 5.000
WASH WIDTH	2.830	2.830	2.830	2.830
RAIL LENGTH*	24.000	24.000	24.000	24.000
MACHINE HEIGHT	4.590 / 4.780	4.710 / 4.900	5.210 / 5.400	5.710 / 5.900
MACHINE WIDTH**	4.740	4.740	4.740	4.740

*Standard length: 24 meters. Can be expanded using modules.

**Recommended track width: 5400 mm

All dimensions in mm.

WASH CHARACTERISTICS



External control panel



The outdoor control station with colour touch screen allow easy and intuitive navigation through the machine menu. It has push-buttons for manual movement of the machine and brushes as well as selection of up to 12 programmes by direct access from the controller.

The new and improved control station incorporates selectors for direct disconnection of high pressures and/or application of chemicals without interrupting the programme. Thanks to this flexible setup, the programs can be adjusted for each wash, optimising speeds for each operation.



Vertical brushes

The polyethylene brushes, with a diameter of 1100 mm, offer a much more complete wash. They can reach even the most difficult corners due to their improved penetration properties. The lower part is made up of high density brushes, increasing the durability of the brushes and providing better results.



Horizontal brush

The horizontal high-density polyethylene brushes are equipped with a variable frequency drive to smooth out upward and downward movements, as well as 5 different pressure levels to suit different vehicle profiles. In addition, thanks to its flexible configuration, this model allows for up to 4 obstacle-avoidance profiles for mirrors or sunscreens.

OPTIONAL FEATURES

AUTOMATIC PRE-WASH SYSTEMS



Lower high-pressure

The perfect option to complement brush washing on the lower part of vehicles or in those tough-to-reach corners such as rims, undercarriages or tanks. This option consists of 16 zero-angle nozzles for washing at 70 bar and 84L/min. or 126L/min., and works with an oscillating motor (up-down) and a rotating cylinder (front-back) to clean this area in depth from various angles.



Side high-pressure

This option is recommended for thorough washing of the upper side of vehicles, especially tankers, refuse trucks or special profiles, to reach areas where the vertical brushes cannot wash.

16 nozzles	$h > 5m$
20 nozzles	h_{max}



Upper high-pressure

This model is especially developed for the brushless washing of the front and top areas of vehicles or to optimise wash results for the most demanding fleets. This model is fitted with 16 zero-angle nozzles at 70 bar and 126L/min. and with an oscillating motor, and a rotating motor that allows for program-controlled 180° movement. A new scanning system is optionally available to automatically profile the vehicle and adapt the high-pressure nozzle's trajectory to the vehicle profile.



Foaming chemical spray

The automatic application of the chemical pre-wash program saves time and controls consumption per wash. Its foamy texture boosts chemical efficiency thanks to a longer reaction time on the vehicle surface. This option includes stainless steel pipes and foamers for mixing with air, 100L premix tank and a high-pressure pump operating at 100 bar and 28L/min.



Lower side high-pressure wash

High-pressure drive-through wash for lower parts programmed at 70 bar and 126 L/min. It is installed at the beginning of the wash track and has infeed photocells for automatic operation. It can work with the same high-pressure pump rack that feeds the rollover.



High-pressure racks

We have electrical pump racks for high-pressure washing at 70 bar and 84-126L/min, with a total power of 11 or 16.5 kW, consisting of 2 or 3 electrical pumps respectively operating at 70 bar and a power of 5.5 kW. They include a raised 200 L water tank positioned to correctly feed the electrical pumps and a bypass valve with pressure regulator. Its 100 micron inlet filter protects the electrical pumps and prevents the nozzles from clogging.



Second chemical for acid applications

Alternative or additional chemical application for the foaming chemical spray. This treatment can be applied as an acidic chemical pre-wash, to clear dirt comprising limescale or inorganic matter, as well as to apply disinfectants. Thanks to the 900 l/min pump and optimal nozzle distribution, this new chemical application is designed to evenly cover the surface of the vehicle to be washed.

More options

Highlights:



Fast drive-through wash programs for coaches

The drive-through and fast bus wash modes offer an optimal fleet management solution, in situations where high machine performance is required, significantly shortening wash times.



Centering guides

Hot-dip galvanised steel guides. These guides center the vehicle and thus prevent any incorrect positioning of the vehicle on the wash track.

Dimensions:

Length 2,300 mm x Height 120 mm



Wax dosing pump

For situations where the washed vehicle needs an extra quality finish, the wax rinse option improves water drainage and offers a top quality finish.

In addition to:

- ISTOBAL esens® chemical
- Demineraliser panel
- Splash guards for vertical and horizontal brushes
- Recycling equipment

WATER TREATMENT



Physical Plus Recycler

It achieves a water recycling rate of up to 92%, depending on the wash machine, its options and wash programme, and manages 100% of the water entering the pouring stage. It reduces the contamination of the water resulting from the wash process, removing odours in the wash facility. Furthermore, it improves the quality of the recycled water by decreasing the level of turbidity, organic matter and the amount of surfactants in the water. This equipment offers Smartwash-capable connectivity.



Hydrocarbon separator

System for treating water before it is released or reused, the main function of which is to remove hydrocarbons, oils and greases entrained in the wash process that have been mixed with the water. Our hydrocarbon separator with coalescing cell and automatic shutter is Class I compliant with EN 858 (<5 mg/L) and achieves 94% reduction in hydrocarbons in treated water, thus retaining traces from fuel and vehicle engines.

Reference	Equipment
5060000	HYDROCARBIDE SEPARATOR 15L/S
5060100	HYDROCARBIDE SEPARATOR 3 L/S
5060200	HYDROCARBIDE SEPARATOR 6 L/S
5060300	HYDROCARBIDE SEPARATOR 10 L/S
5WSH1000	HYDROCARBIDE SEPARATOR 15L/S



High-flow, high-salinity osmosis equipment (4DA6000)

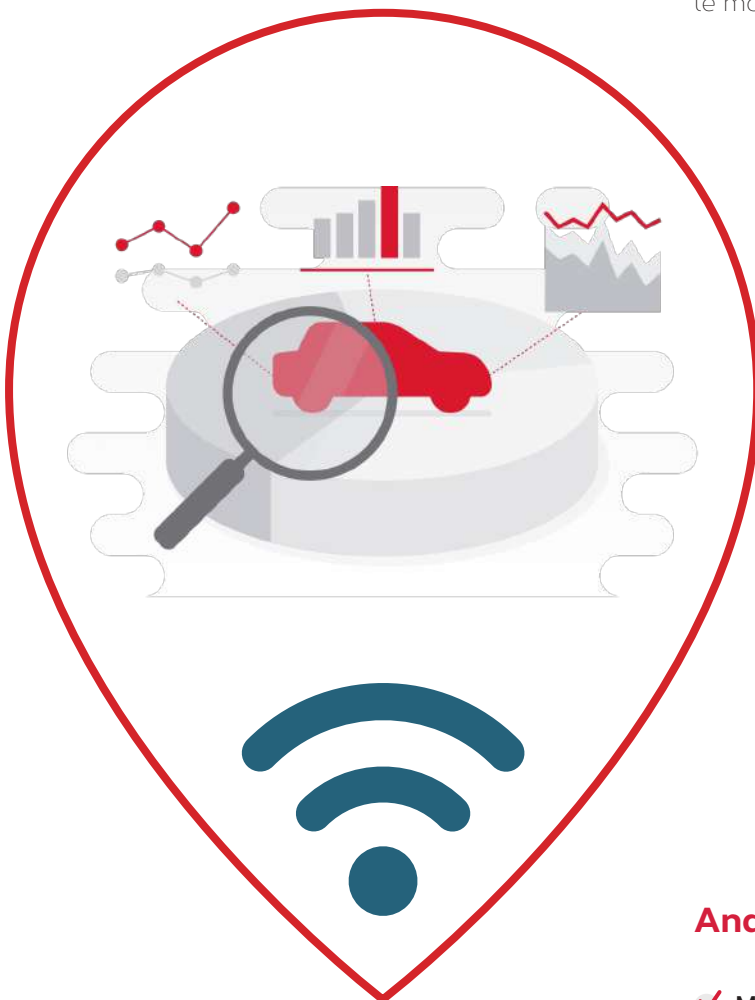
It is characterised by its ability to handle salinity waters up to 8000 ppm TDS and flexible production flow with extensions from 1 to 4 membranes, and can produce from 4 to 22 m³/d. Stainless steel membrane containers, built-in conductivity controller and components for high pressure work.

CONNECTIVITY

In a digital world, it goes without saying that your car wash facility should be digital too. Thanks to the connectivity system developed by ISTOBAL, we can boost the profitability of your business. Thanks to the increased uptime of your machines, advanced maintenance and management services and access to all your equipment data, you can enjoy full control of your facility and offer the best possible service:

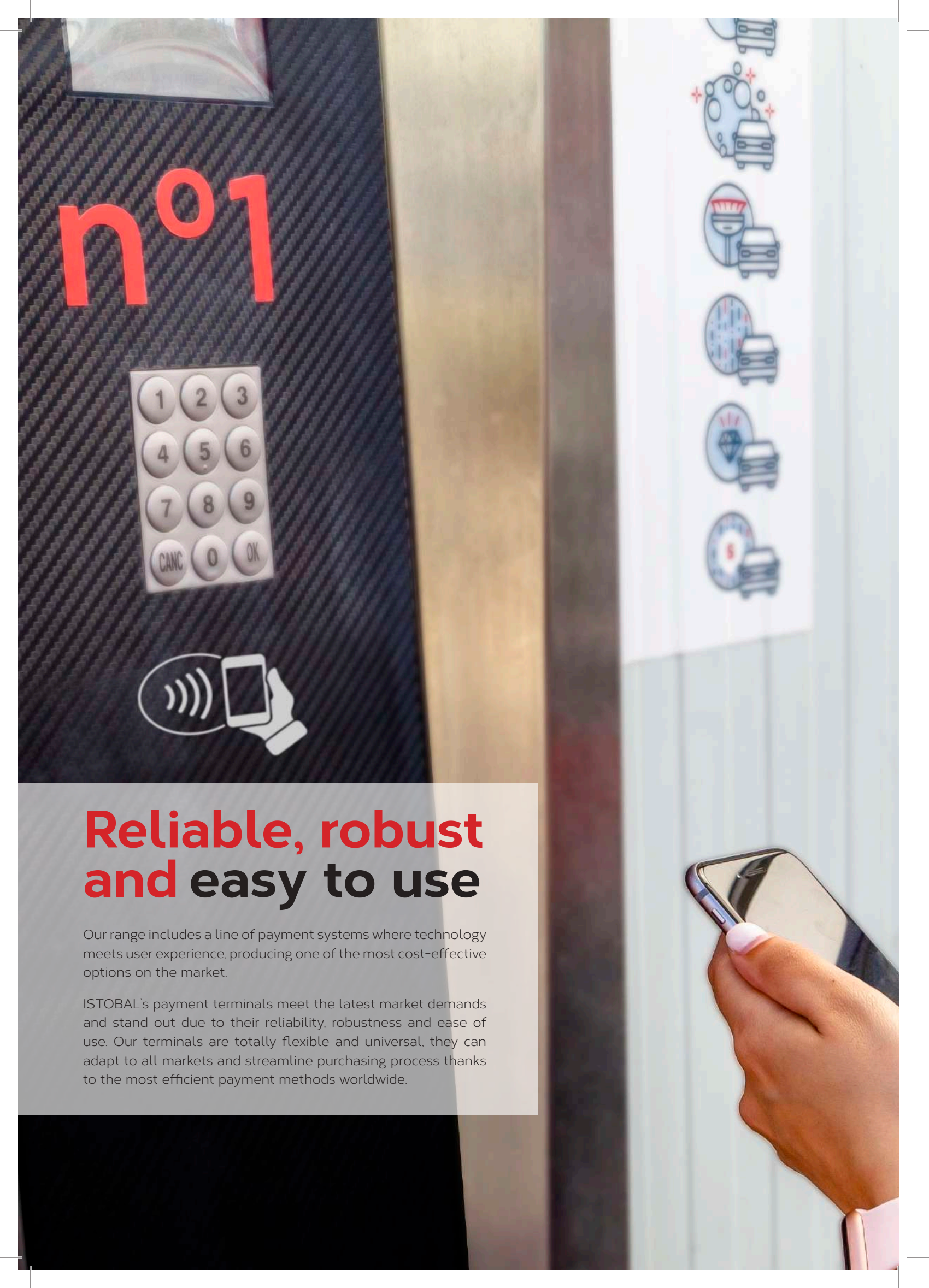
- > **Improving machine uptime.**
- > **Improving the response time of our technical service.**
- > **Improving the repair time offered by our technical service.**

In addition, a connected facility is more energy-efficient and cost-effective, making it the best possible option to be a little more sustainable every day.



And much more:

- ✓ Machine telemetry and IOT data reporting.
- ✓ Real time error and warning reporting.
- ✓ Statistics reports.
- ✓ Economic accountants reporting.
- ✓ Washing history reporting.
- ✓ Control of consumptions.



nº1



Reliable, robust and easy to use

Our range includes a line of payment systems where technology meets user experience, producing one of the most cost-effective options on the market.

ISTOBAL's payment terminals meet the latest market demands and stand out due to their reliability, robustness and ease of use. Our terminals are totally flexible and universal, they can adapt to all markets and streamline purchasing process thanks to the most efficient payment methods worldwide.

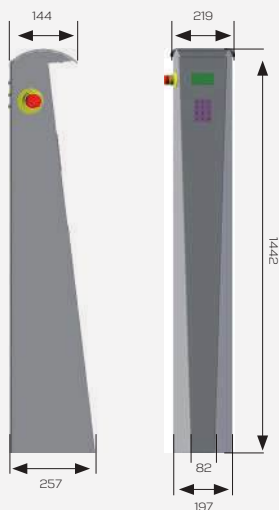


Codec

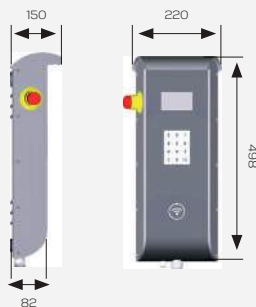
- > The design of the CODEC payment terminal is elegant and yet simple.
- > The stainless steel components increase durability and resistance in outdoor washdown environments (potentially in harsh weather conditions).
- > There are two installation options – standing and wall-mounted – users can easily adapt the terminal to different spatial configurations.
- > Users can activate the wash options using a bar code, QR code, digital input and/or loyalty card. Some outlets also accept payments by bank card (check availability with the sales department).



Standing terminal



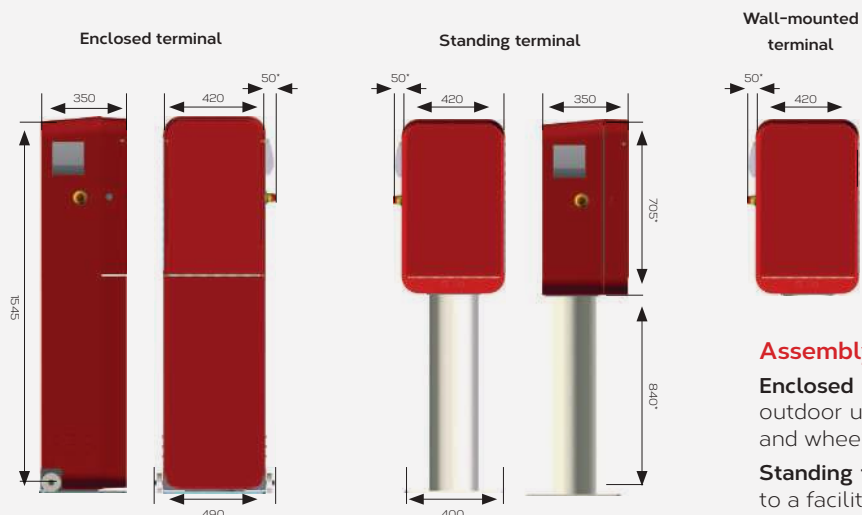
Wall-mounted terminal



PAYMENT TERMINALS

Connect-a

- The CONNECT-A payment terminal continues to come in a simple customisable design with a range of available colours.
- The terminal is manufactured in galvanised and powder-coated sheet metal for durability and strength in washdown and outdoor environments (potentially in harsh weather conditions). In addition, options such as the lock and the safety door are available, offering protection against vandalism.
- There are three installation options: enclosed, standing and wall-mounted, users can easily adapt the terminal to different spatial configurations.
- Unlike the CODEC, users can pay with coins, tokens and/or various bank card options. Furthermore, the terminal can include a communications system to help settle any queries.

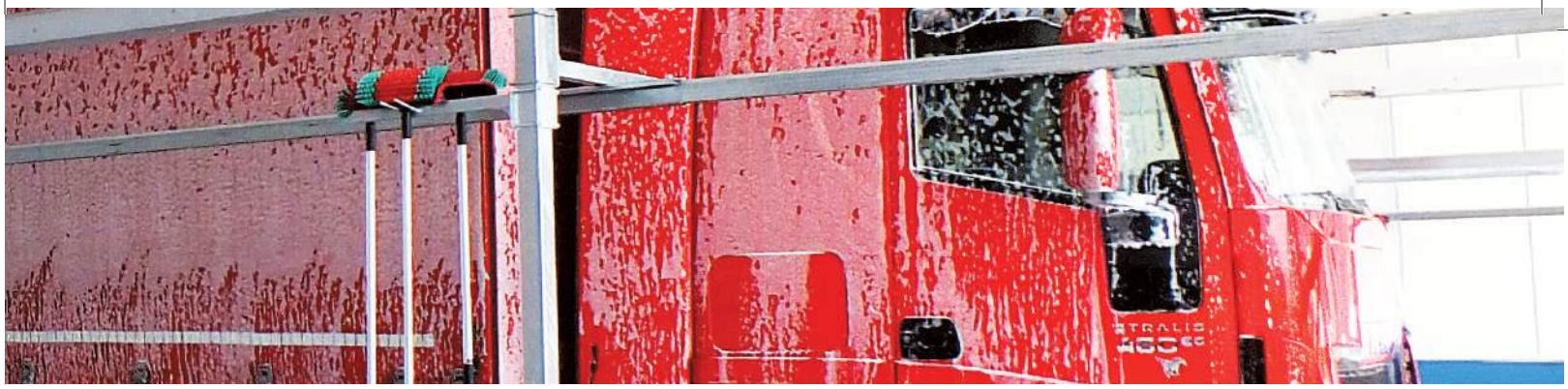


Assembly:

Enclosed terminal: The most robust option for outdoor use. Includes an optional vandalproof door and wheels for transport.

Standing terminal: can be installed at the entrance to a facility for easy user access.

Wall-mounted terminal: The ideal choice for enclosed facilities with a support wall.



Codec

- > 4.3" High-Contrast LCD Display.
- > INOX code numeric keypad.
- > Payment systems for bank and mobile cards.
- > Barcode readers or loyalty cards.
- > Pedestal or wall mounting.
- > Robustness and protection against adverse weather and vandalism.
- > Cost-effective and easy to amortise.
- > Coded operation possible, no connection to Terminal Shop.



Connect-a

- > 4.3" High-Contrast LCD Display.
- > INOX code numeric keypad.
- > Coin and/or token validator.
- > Various payment systems for bank card and mobile.
- > Optional barcode reader and loyalty cards.
- > Cabinet, pedestal or wall mounting.
- > Wide variety of colours.
- > Resolution of queries via the communicator option.
- > Possibility to incorporate control equipment in cabinet version.