

# M'START

CAR WASH EFFICIENCY





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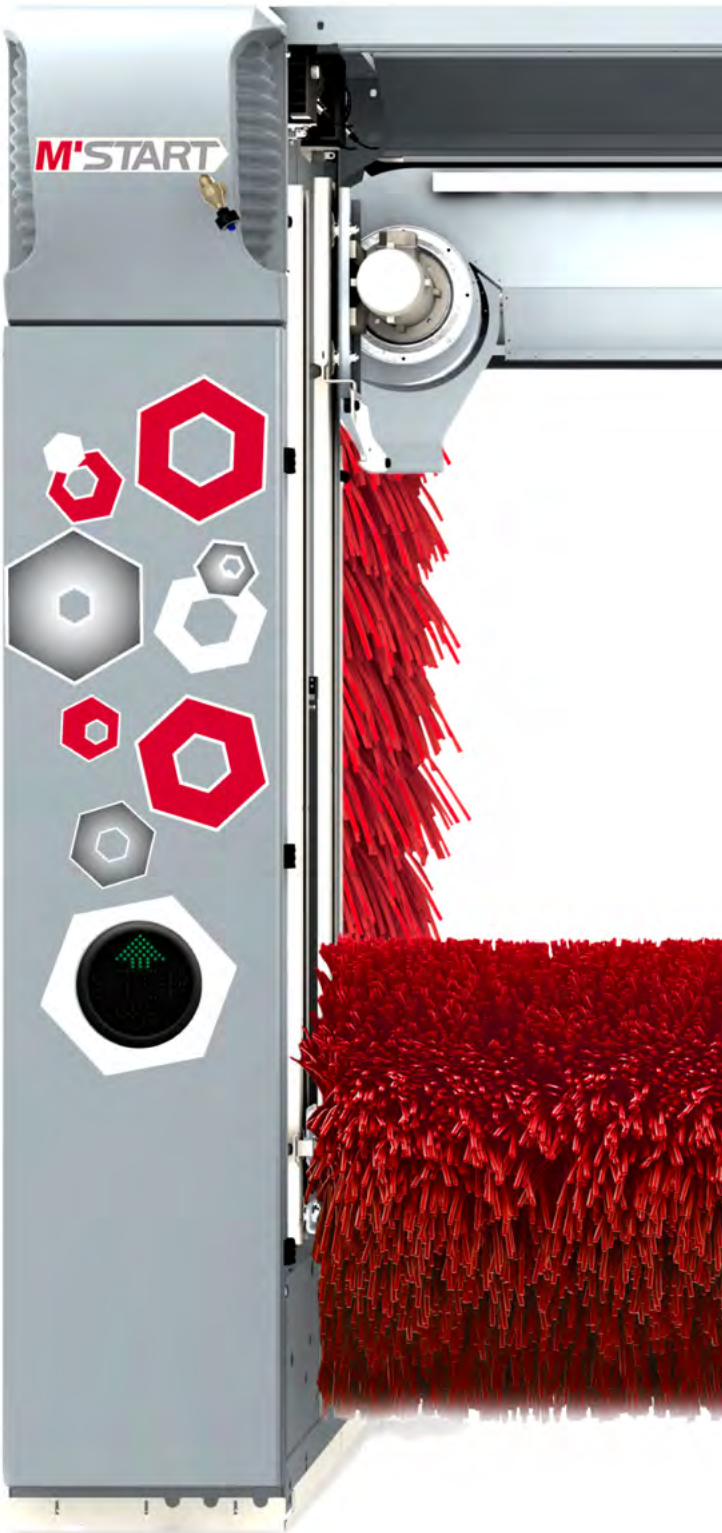
An attractive image complemented with high technology and top features ensure a reliable operation.

M'START offers a car wash experience that leaves no one indifferent.

Are you ready?

Car wash efficiency is more than a concept. It is the result of bringing together quality, technology and performance into a single design. Here it is. M'START, the rollover developed by ISTOBAL. Client expectations fulfilled.

M'START



## TECHNOLOGY

### Controller

PLC with standardised modules and a flexible configuration for optional extras. The use of the Profibus communication protocol enhances communication and reduces machine wiring and connections.

### Command post

Allows all of the machine's external elements to be connected. Two viewer options: standard and colour touch screen.



## FLEXIBILITY

### Configuration of programs

The flexible programming of the **M'START** facilitates adaptation to individual user needs. Different wash programs can be configured, speeds can be parametrised, chemical products can be dosed, light sign codes can be set, etc.



## PERFORMANCE

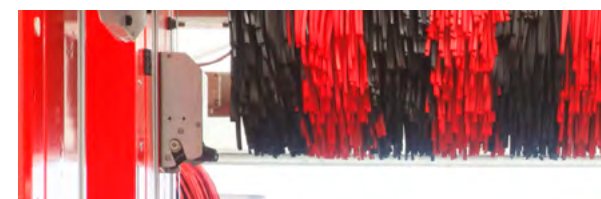
### High pressures

A number of high pressure pre-wash options with a common goal: removing stubborn dirt from the vehicle body.

**Oscillating high pressure, 42 L/min [11.1 gpm], 80 bar [1160 PSI]**

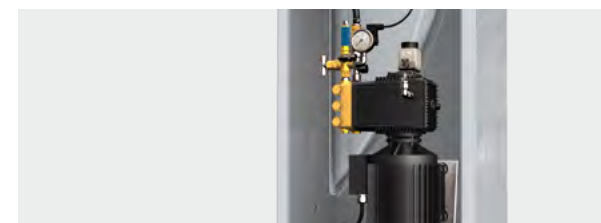
The oscillating high pressure with rotating and zero-angle nozzles is located on the side at the top of the machine.

It prevents dripping on the surface of the vehicle and speeds up the pre-wash.



**On-board high pressure, 21 L/min [5.5 gpm], 70 bar [1015 PSI]**

With the on-board system, the **M'START** is equipped with a high-pressure 21 L/min [5.5 gpm] 70 bar [1015 PSI] pump built into the post. This side high pressure option avoids the costs of installing these pumps in the plant room.



## VERSATILITY

### Available in different heights

Solid and compact structure available in four different wash heights.

| WASH DIMENSIONS         |                      |                      |                       |                      |
|-------------------------|----------------------|----------------------|-----------------------|----------------------|
| WASH HEIGHT             | 2,300<br>[7'-6 1/2"] | 2,500<br>[8'-2 3/8"] | 2,700<br>[8'-10 1/4"] | 2,900<br>[9'-6 1/8"] |
| WASH WIDTH              | 2,400 [7'-10 1/2"]   |                      |                       |                      |
| LENGTH OF RAILS         | 9,000 [29'-6 3/8"]   | 9,000 [29'-6 3/8"]   | 10,000 [32'-9 3/4"]   | 11,000 [36'-1 1/8"]  |
| MINIMUM MACHINE WIDTH*  | 3,800 [12'-5 5/8"]   |                      |                       |                      |
| MAXIMUM MACHINE WIDTH** | 4,145 [13'-7 3/16"]  |                      |                       |                      |
| TOTAL MACHINE HEIGHT    | 3,083 [10'-1 3/8"]   | 3,313 [10'-10 7/16"] | 3,513 [11'-6 1/4"]    | 3,713 [12'-2 3/16"]  |

\* Includes energy chain

\*\* Includes energy chain + optional splash screens

All measurements in mm [ft-in].

## MECHANISM

### Brush tilt

Accurate wash control thanks to 10° tilt of side brushes.



# IMAGE

## ROCKET FAIRING



The bold design of the **Rocket** front and rear fairing makes the top half of the rollover really stand out, giving the unit an air of strength as well as making it look more appealing.

## PLAIN FAIRING



Functional fairing for the top half of the columns to match the design of the doors. Its geometrical shapes give it a sturdy and simple appearance which is in line with the overall design of the machine.

## SILVER PICTOGRAMS



The **Silver** program pictograms are a recommended option when the machine is not decorated with light sings.

## HEXA VINYL



The **Hexa** vinyl allows users to integrate the **Sferic** decorative light sign to give the machine a more modern look.

## FAIRING COLOURS

|          |                |                       |                |
|----------|----------------|-----------------------|----------------|
|          |                |                       |                |
| RAL 9016 | RAL 9010       | PANTONE® Cool Gray 1C | RAL 1013       |
|          |                |                       |                |
| RAL 7040 | RAL 9006       | PANTONE® 424 C        | RAL 1003       |
|          |                |                       |                |
| RAL 1021 | RAL 2004       | RAL 3020              | PANTONE® 348 C |
|          |                |                       |                |
| RAL 5004 | RAL 5015       | RAL 5003              | RAL 5010       |
|          |                |                       |                |
| RAL 5011 | PANTONE® 280 C | RAL 9005              |                |

## BRUSH COLOURS

|                            |                              |                            |                             |
|----------------------------|------------------------------|----------------------------|-----------------------------|
|                            |                              |                            |                             |
| Sky Blue (Feel/foam)       | Ultramarine Blue (Feel/foam) | Sapphire Blue (Feel/foam)  | Cobalt Blue (Feel/foam)     |
|                            |                              |                            |                             |
| Lilac (Foam)               | Graphite Black (Feel/foam)   | Dusty Grey (Feel/foam)     | Anthracite Grey (Feel/foam) |
|                            |                              |                            |                             |
| Sulphur Yellow (Feel/foam) | Orange (Feel/foam)           | Strawberry Red (Feel/foam) |                             |
|                            |                              |                            |                             |
| Lime Green (Feel/foam)     | Emerald Green (Foam)         | Pine Green (Feel/foam)     |                             |

# FEATURES

## EFFECTIVE DRYING



Dryer 15.2 kW [20.4 hp] (4 x 3.8 kW [5.1 hp]) with horizontal dryer nozzle plus vehicle scanning and optional deflector to achieve a better result on the rear of the vehicle. As an alternative, we offer a choice of two 4 kW [5.4 hp] turbofans fitted to the top of the machine to perform the dry with no need for scanning.

## SPLASH SCREENS



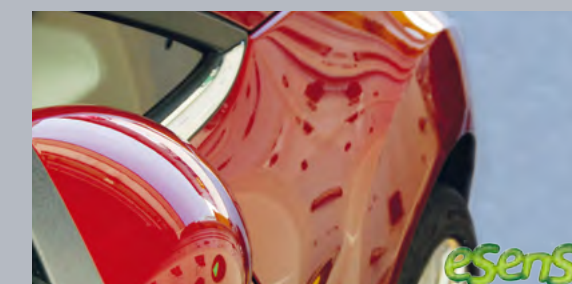
Perspex screens with aluminium reinforcement, with a safe and practical design and fully integrated into the machine's structure. Option recommended to avoid splashing during the wash phase.

## COMMUNICATIONS



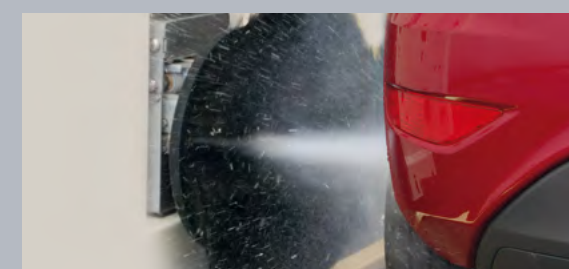
It communicates the equipment with the **IW-MANAGER**, a management and control software both in connection or remotely. The Screen Access software is also available for remotely accessing the command post for diagnostics.

## GLOSSY POLISH MIRROR



Product recommended for a mirror-like finish. After application, the brushes massage the vehicle surface to give an extra shine.

## WHEEL WASH



A complete car wash must include the vehicle's wheels. Available with or without high pressure; flat or spiral brushes are possible.

## UNDERCHASSIS WASH

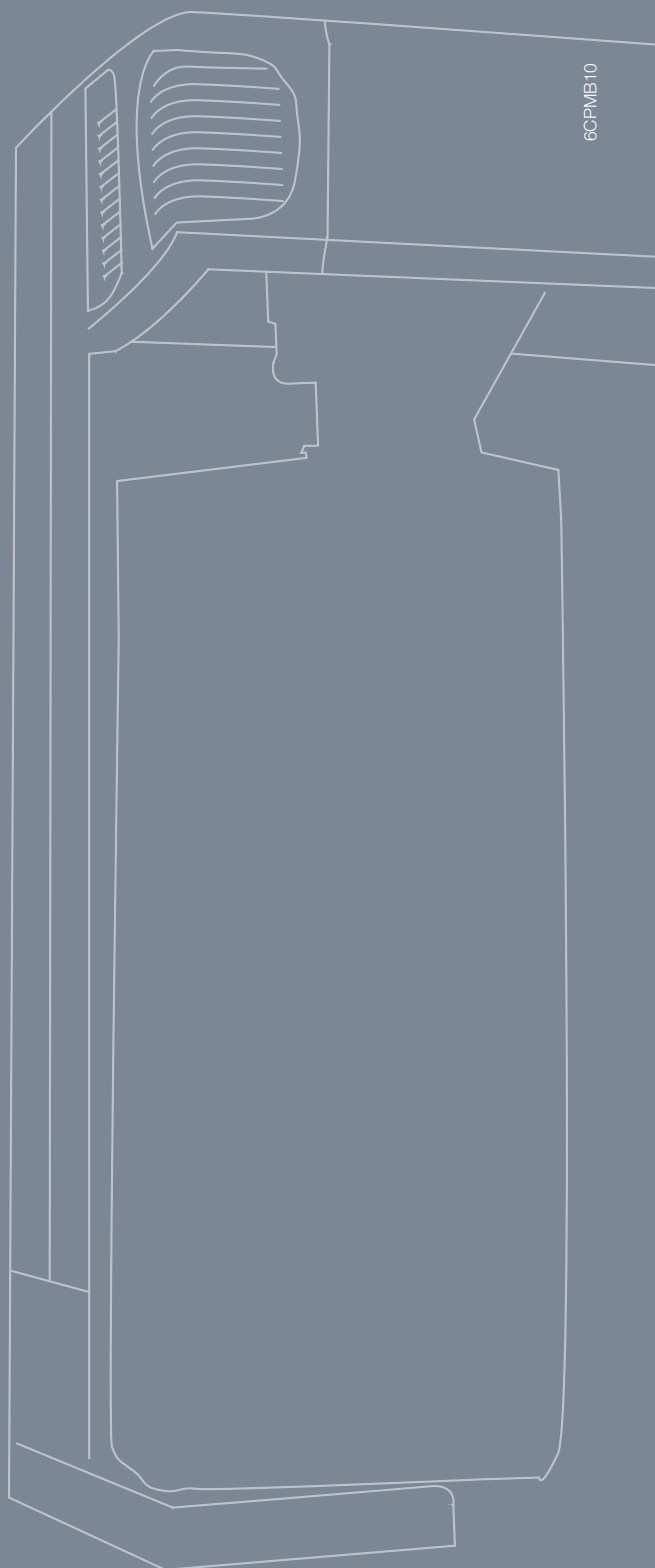


Possible choice: static underchassis wash 10 bar [145 PSI] 90 L/min [23.8 gpm], oscillating 15 bar [217 PSI] 120 L/min [31.7 gpm], or by sector 15 bar [217 PSI] 120 L/min [31.7 gpm].

# M'START

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