

M'NEX

INFINITY SOLUTIONS



 **ISTOBAL**

New **M'NEX** Rollovers
SIMPLY BRILLIANT

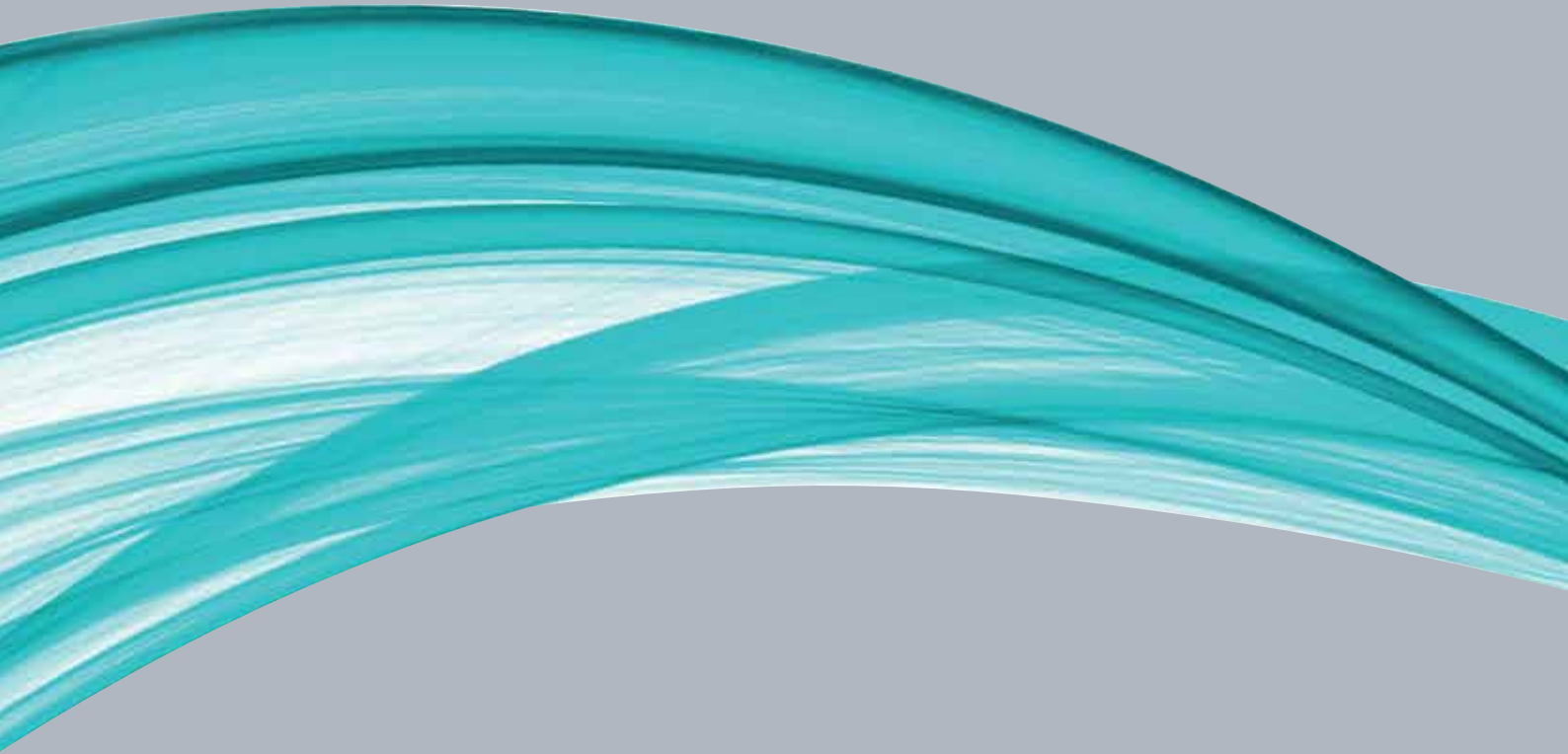


THE WASH WORLD'S NEW EXPERIENCE.

The M'NEX rollovers designed by ISTOBAL will exceed all your expectations. The elegant modular design of this new series sets a new trend while meeting all your automatic vehicle wash needs.

Discover all the advantages that the different M'NEX rollovers offer.

The most brilliant generation has arrived.



M'NEX

MUCH MORE

The new generation of rollovers stands out in so many ways: looks, mechanics, flexibility, and versatility. It has been created to satisfy the needs of the most demanding professionals in the wash world.

What's more, this new series has a special quality which makes it different to anything the market has ever known before: its adaptability.

The interior immediately appeals with its stylish modern design, which combines the latest technology and maximum reliability in the wash.



M'N

► MORE EFFICIENT

Brush and horizontal dryer lift

Our new system features 2 separate groups of lifting motors with **KEVLAR®** fibre reinforced flat belts eliminating counterweights.

Mounted on top of the column, the lifting system is easily accesible and virtually maintenance free.

Speed and position control via frequency converters and encoders

These components allow greater control of the horizontal brush and dryer, getting wash and dry times down by optimising the speed of displacement.

► MORE FLEXIBLE

Program configurator

The new generation system of flexible programming incorporated into the M'NEX rollovers means each wash program can be personalised and created from scratch.

In addition, you can comfortably configure speeds, dispensers, lighting codes and other functions according to the requirements of the wash programs you choose.

► MORE VERSATILE

High pressure

New top high pressure system without scanner and with zero angle nozzles. The possibility of applying oscillating and side high pressure on the same pass.

Quicker because no vehicle scanning is needed.

Fewer problems caused by dripping because it is not directly above the vehicle.



NEX



► ROOMIER

New height and width combinations on each model, which means the needs of all vehicles currently on the market are covered.

Greater standard wash width of **2.50 m** at the mirror height.
Width of **2.70 m** also available.

► MORE RELIABLE

Wheel wash

Smoother operation thanks to a new chassis with 3 antivibration points.

New high pressure hydraulic rotary joint

A more effective design with rotating unions which are completely sealed and low friction guide system, resistant to dirt and rust.

Photocells

New generation photocells specially designed for use on rollovers. Greater accuracy and reliability.

► MORE MODERN

Front fairing

New updated image: a design fully in tune with the latest trends in the automobile sector. Lights with LED technology guaranteeing lower consumption and longer life.

Rear fairing

The rear fairing is integrated into the structure design of the machines to improve the overall look.



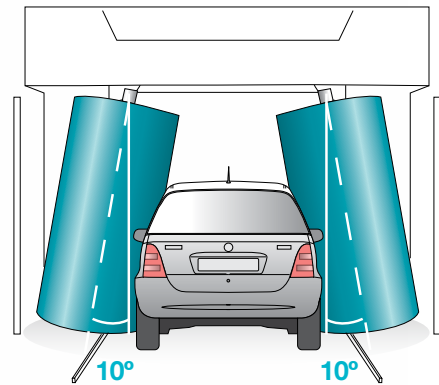
► GREATER TILT

New pneumatic system

Total control over the two tilt positions of the side brushes.

Greater wash accuracy where the side meets the roof of the vehicle.

Greater brush stability during the wash.



► MORE COMPACT

Columns

***Up to 4 side pipes totally
flush with the column.***

The vehicle is thus free to pass through with no risk of protruding parts coming into contact with the wing mirrors. The fairing over the various parts and pipes, which are totally integrated totally into the columns, gives the machine a much more appealing look.

***Aluminium guides artfully concealed in the column
keep the brushes and horizontal dryer on track.***

M'NEX

► MORE TECHNOLOGY

Control CPU

CPU with unified modules and more flexible configuration possibilities for optional extras. Includes Profibus communication protocol: communication is easier. Wiring, cables and connections are kept to a minimum. Bigger memory.

Command post

Connects and controls all the external optional extras of the machine.

Two viewing options: standard and colour touch screen.



► MORE SAFETY

Include as standard a wide range of multisystem safety features to guarantee safe wash facility.

Many optional safety features are also available to meet the more specific needs of each facility: vehicle derailing prevention system, exterior anti-smashing system and safe height limit.

► BETTER PERFORMANCE

Horizontal and side dryer

New dryer nozzle design which maximises performance and minimises consumption (1500 rpm motors) and noise (71.1 dB with 12 kW).

Available dryer power:

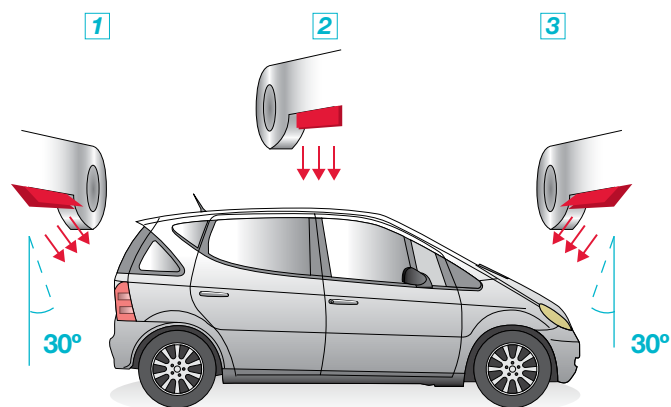
- 2 x 3 kW on side dryers
- 2 x 3 kW / 2 x 4 kW on horizontal dryer

New diffuser with 3 positions

Improved quality on the horizontal dryer, specially on the front and back of the vehicle.

New side dryer

The design of the nozzles has been optimised to channel the maximum air flow towards the rocker panel to draw off the maximum amount of water.



M'NEX

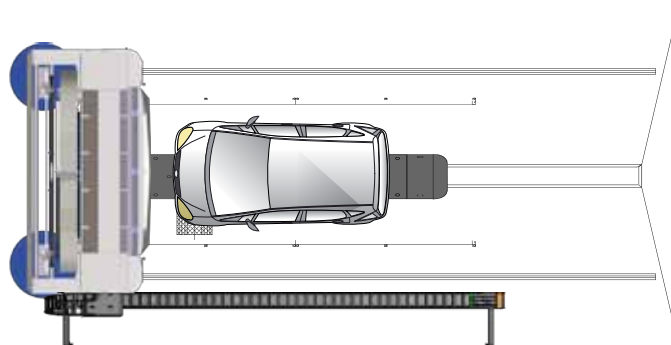
TECHNICAL DATA 22

GENERAL FEATURES OF THE M'NEX

- ▶ Rollover structure made of hot-dip galvanised steel with a minimum thickness of 50 micras.
- ▶ Service lines connected by energy chain.
- ▶ 4-nozzle wax circuit and shampoo circuit with pneumatic dosing pumps specific to each circuit.
- ▶ Electronic circuits set up for connection to self-service.
- ▶ Hydraulic circuit can work with two different types of water.
- ▶ Non-drip system.

M'NEX22

- ▶ Wash and dry rollover comprising 2 vertical brushes and 1 horizontal brush controlled by power transducers.
- ▶ Option to include different dryer combinations on the same rollover.
- ▶ Optional structure powder coating with a minimum thickness of 60 micras (30µ primer, 30µ colour)



WASH DIMENSIONS

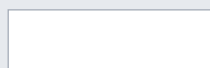
WASH HEIGHT	2.100	2.300		2.500		2.700				2.900
WASH WIDTH	2.500	2.500	2.700	2.500	2.700	2.500		2.700		2.700
LENGTH OF RAILS	9.000	9.000	9.000	9.000	9.000	10.000	11.000	10.000	11.000	11.000
MINIMUM MACHINE WIDTH*	4.058	4.058	4.258	4.058	4.258	4.058	4.058	4.258	4.258	4.258
MAXIMUM MACHINE WIDTH**	4.312	4.312	4.512	4.312	4.512	4.312	4.312	4.512	4.512	4.512
TOTAL MACHINE HEIGHT	2.900	3.100	3.100	3.300	3.300	3.500	3.500	3.500	3.500	3.700

* Includes energy chain

**Includes energy chain + optional anti-splash screens

All measurements in mm.

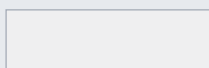
COLOUR SAMPLES M'NEX



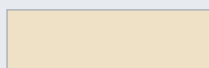
RAL 9016



RAL 9010



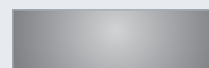
PANTONE® Cool Gray 1C



RAL 1013



RAL 7042

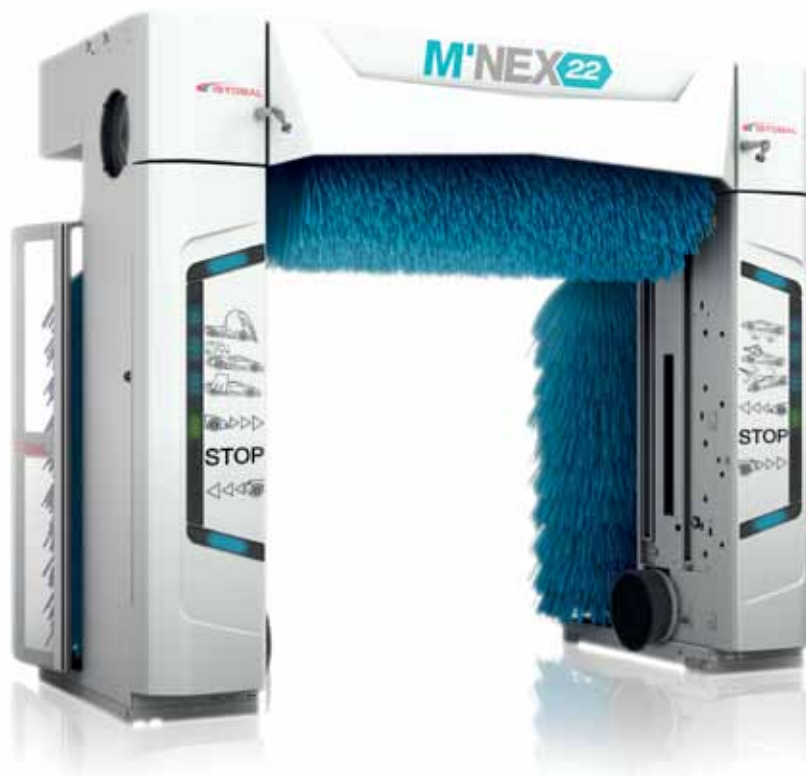


RAL 9006

M'NEX

22

MAXIMUM EFFICIENCY & VERSATILITY



FOAMY CHEMICAL SPRAY



A pneumatic pump with an extra high flow rate powerfully applies a chemical product specially formulated for removing mosquitos and stubborn dirt to ensure an exceptional finish.

Other chemical sprays available:

- Chemical spray for the rocker panel
- Chemical spray for mosquitos
- Chemical spray hot or cold
- Chemical spray for Scandinavia

DISC WHEEL WASH WITH HIGH PRESSURE



The new rotating 80 bar High Pressure fitted to the wheel wash means that the rims can be worked on more thoroughly as indeed can the whole vehicle itself. Its dual action spin gives better results on new wheel rim designs.

Other wheel washes available:

- Telescopic wheel washes
- High pressure wheel washes with 6 rotating nozzles.

* Optional extras available for the whole M'NEX series.

* For other colours please check the ISTOBAL available colour



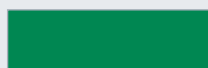
RAL 1021



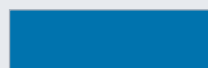
RAL 2004



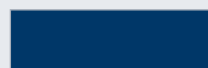
RAL 3020



PANTONE® 348 C



RAL 5015



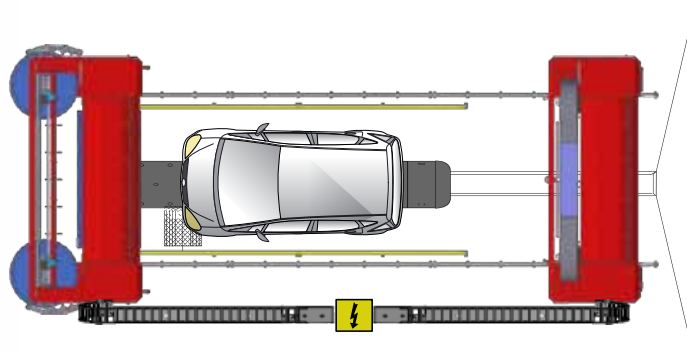
RAL 5003

TECHNICAL DATA 25

M'NEX25



- ▶ Two synchronized rollovers (dry -wash) working on one single 1.1 m bay and giving truly surprising results.
- ▶ High-flow drying at low revolutions (1500 rpm) and 14 kW of power.
- ▶ Double service lines connected by energy chain.
- ▶ Powder coating with a minimum thickness of 60 micras (30µ primer, 30µ colour)
- ▶ Maximum flexibility: optional extras can be added to both modules- dry and wash - thus optimizing each pass.



WASH DIMENSIONS

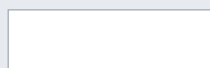
WASH HEIGHT	2.300	2.500				2.700	
WASH WIDTH	2.500	2.500		2.700		2.500	2.700
LENGTH OF RAILS	11.000	11.000	12.000	11.000	12.000	12.000	12.000
MINIMUM MACHINE WIDTH*	4.058	4.058	4.058	4.258	4.258	4.058	4.258
MAXIMUM MACHINE WIDTH**	4.312	4.312	4.312	4.512	4.512	4.312	4.512
TOTAL MACHINE HEIGHT	3.100	3.300	3.300	3.300	3.300	3.500	3.500

* Includes energy chain

** Includes energy chain + optional anti-splash screens

All measurements in mm.

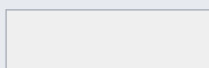
COLOUR SAMPLES M'NEX



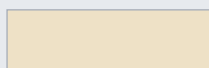
RAL 9016



RAL 9010



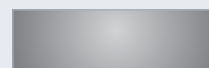
PANTONE®Cool Gray 1C



RAL 1013



RAL 7042



RAL 9006

M'NEX

25

TWOGETHER TO WIN



HORIZONTAL HIGH PRESSURE



Fitted to the wash module, its smooth accurate operation combined with 14 rotating nozzles means every last corner of the vehicle is treated to a thorough high pressure wash.

Other high pressures are available in levels ranging from 15 to 160 bar:

- High pressure sides fixed-position
- High pressure sides oscillating
- High pressure for rocker panel

* Optional extra available only for M'NEX25.

WHEEL WASH WITH HIGH PRESSURE



6 rotating nozzles give a top quality rim wash. The ideal companion to the new horizontal high pressure.

On top of this, the flexible configuration possibilities of this new series means different wheel washes can be fitted to both modules of the M'NEX25.

* Optional extra available for the whole M'NEX series.

* For other colours please check the ISTOBAL available colour



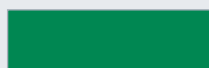
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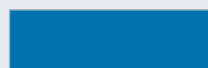
RAL 2004



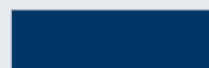
RAL 3020



PANTONE® 348 C



RAL 5015



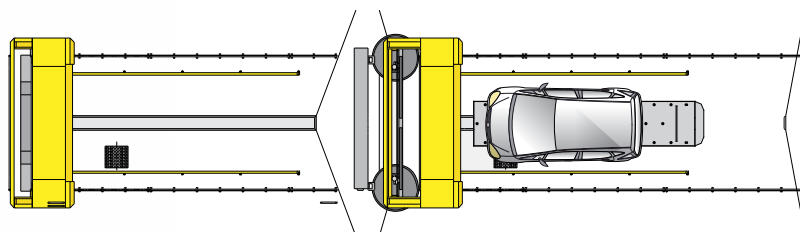
RAL 5003

TECHNICAL DATA 27

M'NEX27



- ▶ Two rollovers working on two separate bays (wet bay and dry bay) making for a considerable increase in throughput.
- ▶ Total absence of dripping during the drying phase since the water appliances are on the separate wet bay.
- ▶ Double service lines connected by energy chain.
- ▶ Powder coating with a minimum thickness of 60 micras (30µ primer, 30µ colour)
- ▶ High-flow drying at low revolutions (1500 rpm) and 14 kW of power.
- ▶ Each module can be individually personalized.



WASH DIMENSIONS

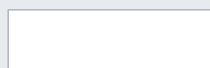
WASH HEIGHT	2.300	2.700
WASH WIDTH	2.500	2.500
RAIL LENGTH WASH	9.000	10.000
RAIL LENGTH DRY	7.000	8.000
MINIMUM MACHINE WIDTH*	4.058	4.058
MAXIMUM MACHINE WIDTH**	4.312	4.312
TOTAL MACHINE HEIGHT	3.100	3.500

* Includes energy chain

** Includes energy chain + optional anti-splash screens

All measurements in mm.

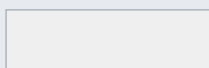
COLOUR SAMPLES M'NEX



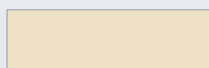
RAL 9016



RAL 9010



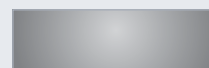
PANTONE® Cool Gray 1C



RAL 1013



RAL 7042



RAL 9006

M'NEX

27

DOUBLE THE EFFICIENCY
DOUBLE THE PROFIT



HIGH SHINE **FOAMY WAX**



The special wax bath followed by an effective massage by the brushes gives an incomparable shine and protects the paintwork of the vehicle from the daily attacks of elements in the air.

Other waxes available:

- **Super wax**
- **Foamy wax**
- **Hot wax**

TRIPLE **FOAM**



Catch your customers' attention with an explosion of colour as the machine works to improve the quality of the wash while looking after the paintwork of the vehicles.

Other foams available:

- **Standard active foam**
- **Super active foam**
- **Hot active foam**

* Optional extras available for the whole M'NEX series.

* For other colours please check the ISTOBAL available colour



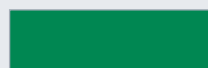
RAL 1021



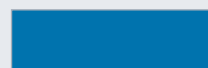
RAL 2004



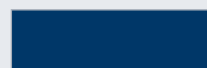
RAL 3020



PANTONE® 348 C



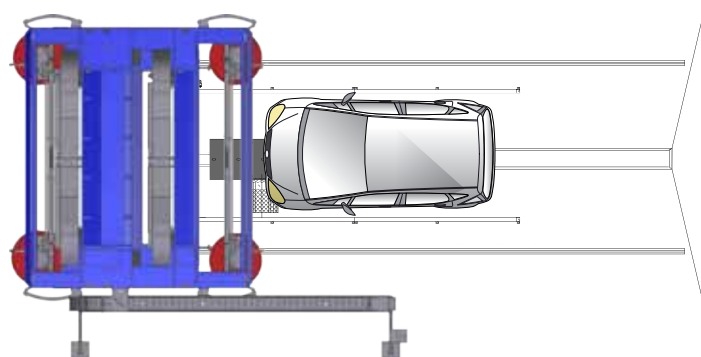
RAL 5015



RAL 5003

M'NEX28

- ▶ Wash and dry rollover comprising 4 vertical brushes and 1 horizontal brush controlled by power transducers.
- ▶ Powder coating with a minimum thickness of 60 micras (30µ primer, 30µ colour)
- ▶ A machine with enormous potential: complete wash and dry programs carried out efficiently in the minimum time.
- ▶ Its compact design means it can be used as a replacement on facilities already existing with no need for building work since it can be installed on a standard 9-metre bay.



WASH DIMENSIONS

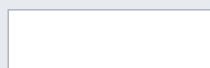
WASH HEIGHT	2.300						2.700			
WASH WIDTH	2.500			2.700			2.500		2.700	
LENGTH OF RAILS	9.000	10.000	11.000	9.000	10.000	11.000	10.000	11.000	10.000	11.000
MINIMUM MACHINE WIDTH*	4.058	4.058	4.058	4.258	4.258	4.258	4.058	4.058	4.258	4.258
MAXIMUM MACHINE WIDTH**	4.312	4.312	4.312	4.512	4.512	4.512	4.312	4.312	4.512	4.512
TOTAL MACHINE HEIGHT	3.100	3.100	3.100	3.100	3.100	3.100	3.500	3.500	3.500	3.500

* Includes energy chain

**Includes energy chain + optional anti-splash screens

All measurements in mm.

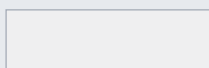
COLOUR SAMPLES M'NEX



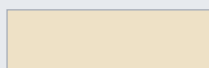
RAL 9016



RAL 9010



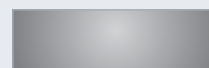
PANTONE® Cool Gray 1C



RAL 1013



RAL 7042



RAL 9006

M'NEX

28

MAXIMUM OUTPUT
MINIMUM SPACE



XTRA FAIRING + STAR CLASS



Fairing designed exclusively for the M'NEX28 to incorporate SFERIC lighting and a choice of either STUDIO or STAR CLASS pictograms.

DOUBLE SCAN DRYER



The only rollover in the M'NEX series which offers two 8 kW horizontal dryers working simultaneously.

* Optional extras available only for M'NEX28.

* For other colours please check the ISTOBAL available colour



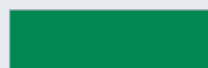
RAL 1021



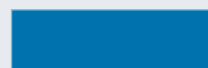
RAL 2004



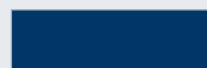
RAL 3020



PANTONE® 348 C



RAL 5015



RAL 5003

ZENIT FAIRING

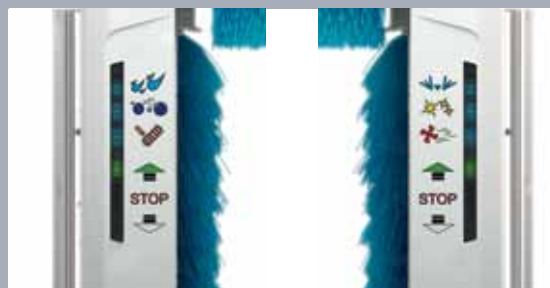
Modern sleek cover design makes **M'NEX** the appearance rival its technological capability. Its modern desing includes supplements for the different machine heights.

BOOMERANG LIGHTING

The most spectacular modern lighting, which features the latest LED technology. Developed exclusively to reinforce the ultra modern look of the ZENIT fairing.

CUBIK FAIRING

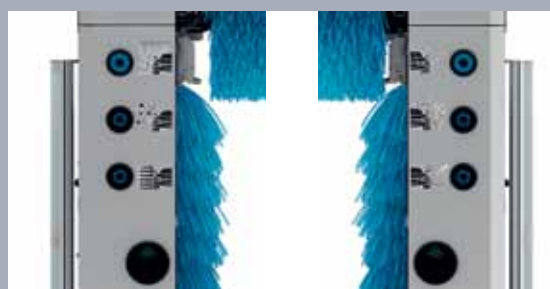
Smooth, straight lines for a functional fairing. Available in sides only or central front fairing versions.

LINEAR LIGHTING

Lighting with wash phase indicators, integrated traffic light and positioning (only for ZENIT fairing).

ANTI-SPLASH SCREENS

A modern, practical design which can incorporate any of the external safety options your facility may need in a visually appealing way.

SFERIC LIGHTING

Wash phase indicator lights, with traffic light or designer positioning to blend in stylishly with your CUBIK or ZENIT fairing.

MORE FEATURES

CHEMICAL SPRAYS



The ideal accessory for increasing profits on your wash facility. Dosing pumps equipped with VITON® membranes offering greater resistance to aggressive chemical products.

UNDERCHASSIS WASH



The perfect optional extra for the best all-round wash for your most demanding customers. You can choose from: fixed underchassis wash 10 bar, 90 l/min., oscillating underchassis wash 15 bar, 120 l/min. or underchassis wash by sectors 15 bar, 120 l/min.

DRYERS



Get an optimum quality dry with the new high-flow side dryers comprising two independent motors at 1500 rpm and 3 kW of power.

HIGH PRESSURE



Various high pressure prewash options which prepare the vehicle for the brush wash and thus improve the results. Choose from versions: 15 bar and 120 l/min., 80 bar and 42 l/min. or 80 bar and 84 l/min.

IW-MANAGER



New software developed for integrated control of all the units in your wash either for local or remote setup.

COLOUR TOUCH SCREEN



New generation colour touch screen on a functional command post making it easier to connect and control all the optional extras on your wash machine.

M'TUNING By ISTOBAL

EXCLUSIVE DESIGNS
FOR YOUR **M'NEX22** or **M'NEX25**.

Different M'Tuning designs in high quality vinyl, which means you can personalise the front and rear of your wash machine to make it stand out as far as possible.



M'NEX ART

- Machine colour red RAL 3020
- Brushes in blue



HIGH - TECH

- Machine colour white RAL 9010
- Brushes in a combination of grey and blue



F1

- Machine colour red RAL 3020
- Brushes in a combination of red and black



CITY LIGHTS

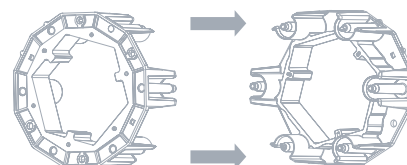
- Machine colour grey RAL 9006
- Brushes in a combination of grey and violet

Designs available exclusively for CUBIK fairing, and ready to be combined with phase indicator lighting and traffic light or SFERIC positioner. In addition to the various M'Tuning combinations, you can choose the colour of brushes and machine most suited to your wash facility.

The first **brush fitting system** without limits for wash machines.

ISTOBAL has obtained the official patent for the new **link-it®** system, which guarantees that it is the first and only brush fitting system on the market to combine a series of features unheard of before, and which mean unprecedented advantages for our customers. Advantages such as flexibility, profitability, durability, versatility, and respect for the environment.

The support sections of the **link-it®** brush fitting system can be reused as many times as needed; you need only change and dispose of the worn brush wash materials. In fact, the life cycle of the support is superior to that of the vehicle wash machine itself.



- Multiple combinations of wash materials.
- Maximum profit.
- 50% less waste material when the brushes are changed.
- Quick, easy and economical maintenance.
- Maximum respect for the environment.
- Maximum versatility in colours and space-saving combinations.

Gⁱ
GALERÍA DE INNOVACIÓN
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mórtortec
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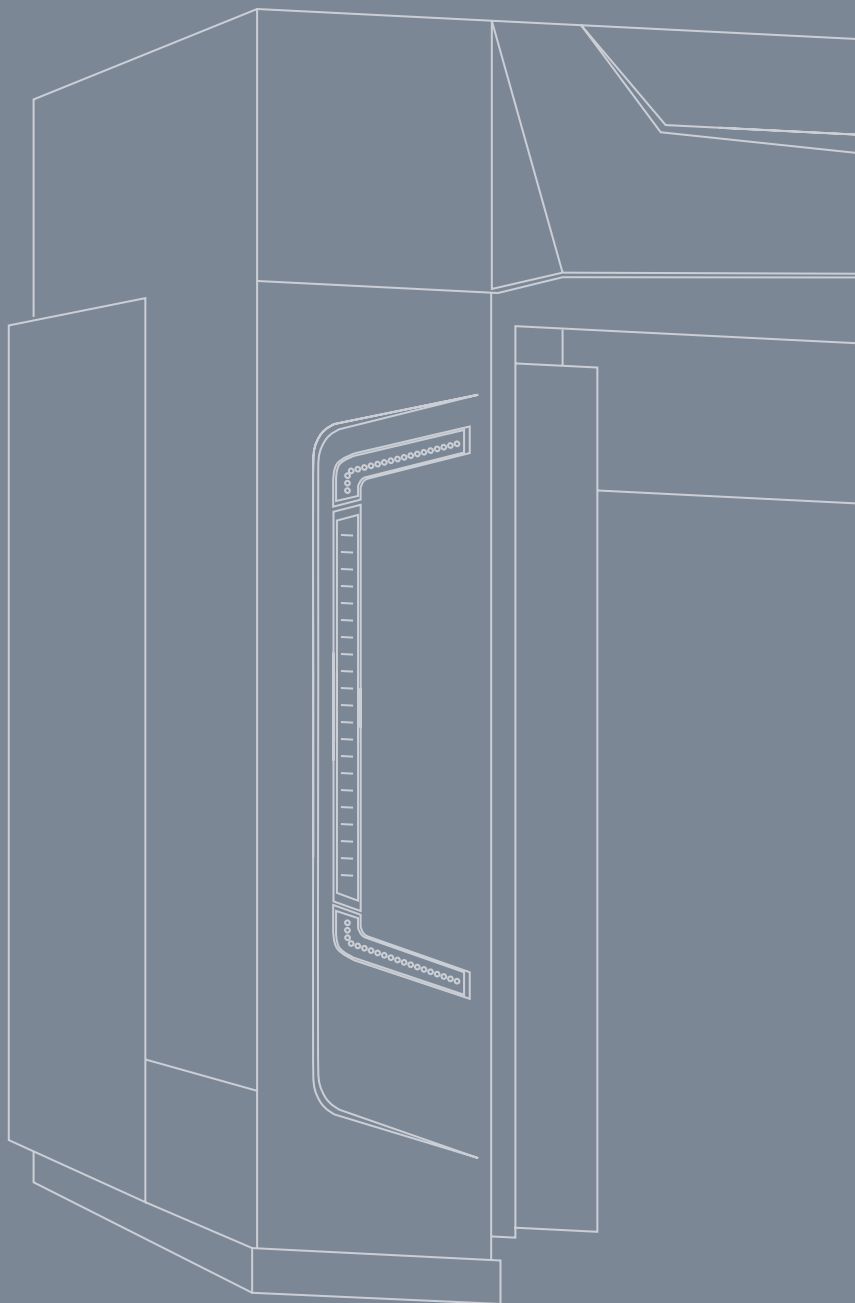
Mountable in **6 easy steps**

It's as easy as separating the two halves of the **link-it®** holder, choosing the segments of the wash material and the colours most suited to your needs and tastes, and closing the two halves again.



M'NEX

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