

Toi!itech[®]



self cleaning toilets

TMATIC



TCAB is an **AUTOMATIC** and **SELF-CLEANING** toilet for **OUTDOOR** installation, thought and built to combine **design and technology**, ensuring **security for the user and a perfect wash and sanitizing at every use**.

Our **washing and disinfection SMART® TECHNOLOGY** ensures a high level of cleaning and disinfection of the toilet.

Our exclusive technology wash and dry the wc-bowl thank to a retractable arm and wash also the walls around up to a height of 80 cm. Floor is washed by a system of nozzles that spray high pressure water and disinfectant on his surface, with a total consumption of water for each washing cycle of 20 lt.

This toilet is suitable for installation in **market areas, parks, urban parks** etc. Maintenance is extremely simple and all our toilets are designed to ensure high efficiency and performance for all the time of commissioning.

Features:

- Concrete block with dimensions (they change with different design/local rules): external 2,80 m x 1,98 m, high 2,60 m - Internal 2,04 m x 1,63 m
 - **Washing and disinfection SMART® TECHNOLOGY:** washing, disinfection and drying of the wc-bowl, washing and disinfection of the walls around the bowl until an high of 80 cm, washing and disinfection of the floor
 - **Concrete block, anti-vandal, fireproof, anti-graffiti**
 - **External security access** to technical room
 - Estremly flexibility for external finishing
 - **Interior HPL walls, without spacing and outsidefixing. Fireproof, anti-vandal, anti-graffiti**
- **Entrance swinging door** (is possible to install also stainless steel sliding door)
 - **Detector of presence of person with radar**
 - **Stainless steel handbasin with patented system antisyringe**
 - **SOS buttons and bidirectional gsm call for emergency PTCall®.**
 - **Access control** with button for free or coin-machine, or badges, possibility of setting access hours
 - **Accessibility for users with disabilities in accordance with european requirements**
 - **Self-diagnosis system** in the event of a fault and remote signaling in real time to GSM mobile or computer





INFO PANEL

- Instructions in 4 languages
- Customizable
- Access with coins or badge

CONCRETE BLOCK

- Durable
- Anti-vandal and fireproof
- Flexible features and dimensions
- Customizable

LARGE POLYCARBONATE DOME

- Natural lighting
- Forced ventilation

SECURITY SWINGING DOOR

- Stainless steel inox on request
- Sliding door on request
- Anti-vandal
- Anti-sign
- Durable

INTERNAL HPL PANELS

- Hygienic
- Shock-proof
- Fire-proof
- Customizable

ALUMINUM FLOOR

- Non-slip
- Non-foot print
- Antibacterial
- Durable
- No maintenance



TECHNICAL DOOR

- External security access
- Anti-vandal
- Anti-sign
- Durable
- Maintenance is possible also with person inside the toilet

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PTMatic for environment



LOW WATER CONSUMPTION:

Our washing system uses 35% less water than conventional systems, with a consumption of 20 liters per cycle. Without person inside, water system is completely closed, with no risk of loss or waste of water.

DISINFECTION SYSTEM DCN-ECO3®:

At night, the toilet is completely disinfected without release of pollutants into the environment.

LOW ENVIRONMENTAL IMPACT:

90% of components of the toilet are completely recyclable (cement, aluminum, plastic, etc). In our factory is possible to dispose old toilets.

LOW CONSUMPTION LIGHTING SYSTEM WITH LED:

External and internal illumination of the toilet is with LED lamps (12 V). Total electricity consumption is 15 W per washing cycle. Without person inside, lights remain off, without wasting energy.

REMOTE CONTROL:

Our toilets can be equipped with a remote control system that checks the status of the toilet. This allows to reduce number of site visits, optimizing the operations of the maintainer with a fuel saving of about 10%.



TOILITECH works with ISO 14000

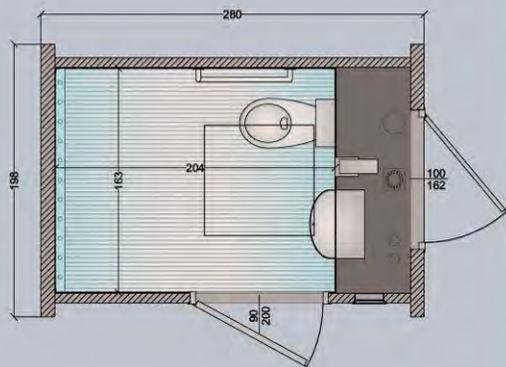
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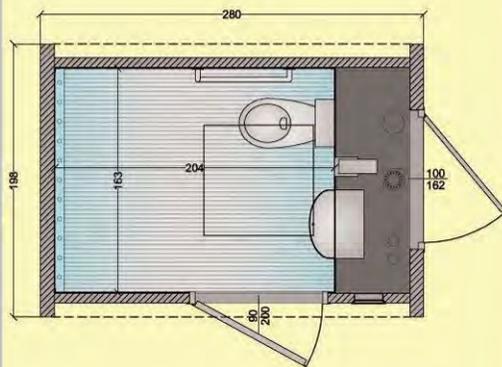
BASE MODEL

- Block with enlarged side walls
- Roof Metal Profile dark brown colour
- Beige coloured on front and back side and grey on side.



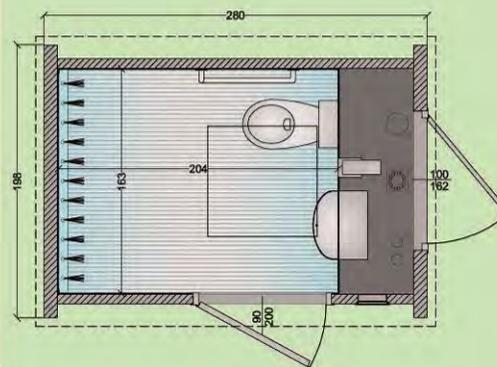
MILAN MODEL

- Block with enlarged side walls
- Metal perimeter moulding on front and back with pictograms
- External LED lighting
- External block design with horizontal lines on front and back walls (beveling)
- Internal LED light vandal-proof buttons



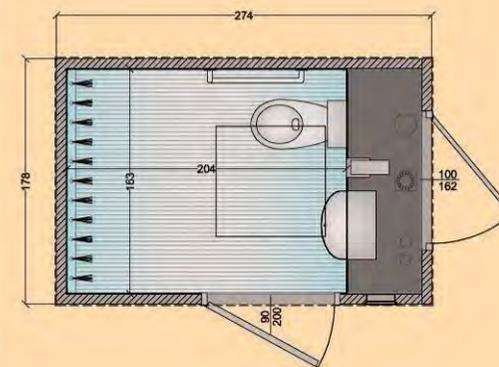
VENEZIA MODEL

- Standard block with iron pillars and external cladding with gres ceramic on four sides
- Roof Metal perimeter moulding, type "historic" cornice, gray mica, "deco" design
- Internal LED light large buttons



AMSTERDAM MODEL

- Standard block structure
- Roof Metal perimeter moulding "Design Amsterdam" with pictograms
- External LED lighting
- External block design with horizontal lines (beveling)
- Internal LED light large buttons



toilet dimensions change according to local regulations for disabled users



PROJECTS

self cleaning toilets

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Trapani

TCABWS



self cleaning toilets

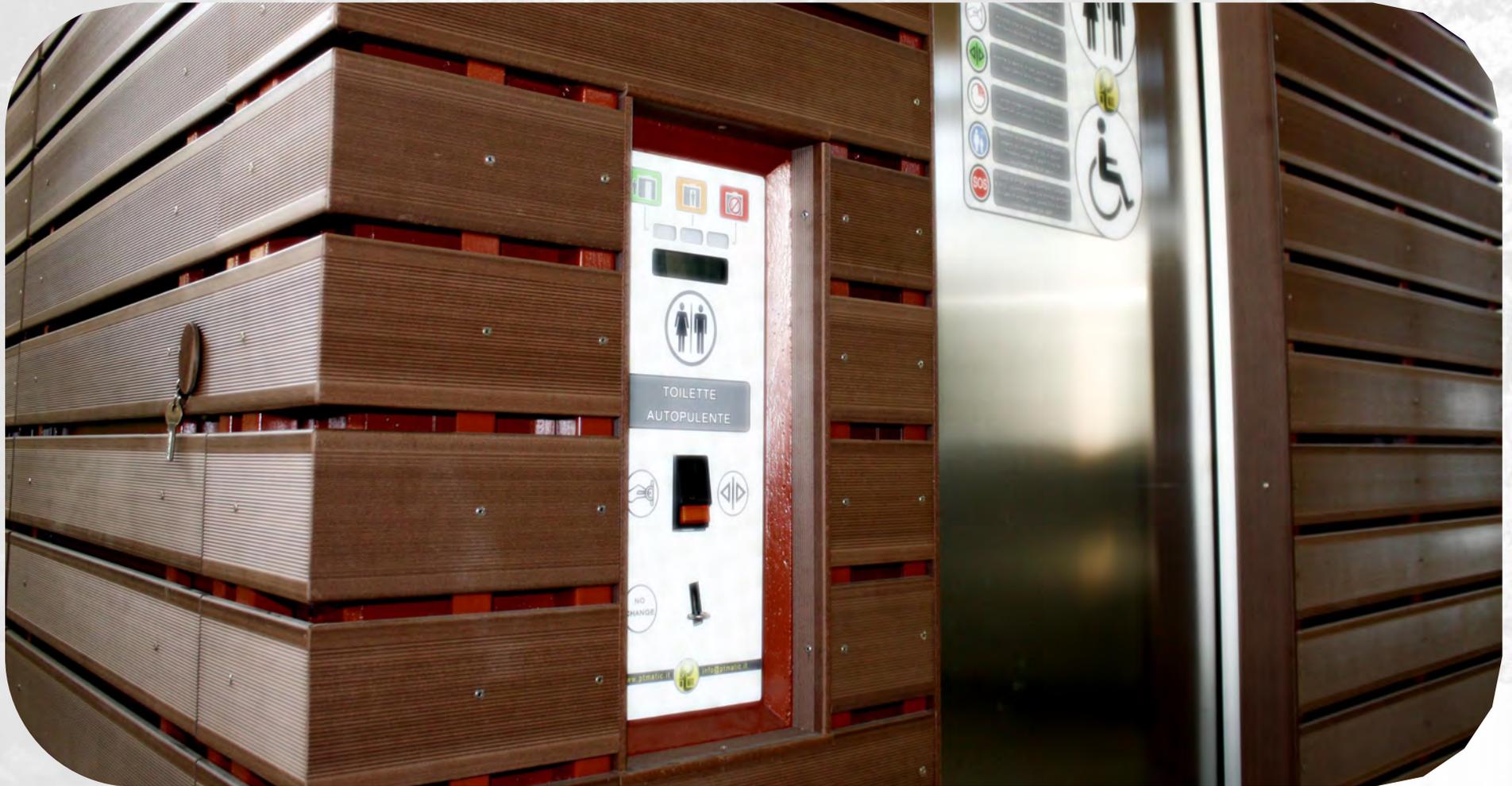
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Nus

TCABWS



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INTERIORS

Disable handrail

- stainless steel inox on request

Toilet paper dispenser

- fireproof
- antivanda
- automatic with control of uses (on request)

Ceramic wall-hung bowl:

- stainless steel available
- non-spill system (on request)

Security stainless steel mirror

In-built stainless steel waste basket with closure door:

- antivandal
- fireproof

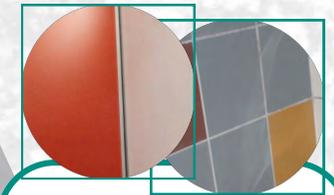
Low consumption lighting with LED

In-built stainless steel hand basin:

- no-touch dispenser for soap/water/air
- anti-syringe security system
- Fireproof
- Antivandal, in-built siphon and drain

Swinging door

- stainless steel on request
- sliding door on request



HPL wall panels:

- extremely durable
- fireproof
- multiple colors available
- without spacing or outside fixing
- Ceramic tiles on request

ALUMINUM FLOOR

- non-slip/non-foot print
- antibacterial
- durable
- no maintenance

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SMART TECHNOLOGY[®] : WASHING AND DISINFECTION SYSTEM



Washing and Drying System of wc-bowl:

When the user is not in the unit, the bowl is washed, disinfected and dried. The dispensers of water and disinfectant are positioned in a device (door), that rotates horizontally on the bowl. Washing and disinfection are carried out during the forward run; drying during the backward run.

Wc-bowl washing occurs in three phases:

- ⇒ **A continuous water veil** inside the bowl during the use, prevent from “adhesions” and facilitating the washing.
- ⇒ **Rinse**: after every use, is sprayed at high pressure a mixture of water and disinfectant (about 8 lt.), with closed-circuit discharge into the sewer system.
- ⇒ **Washing and disinfection of sitting bowl and walls**: nozzles located on rotating device spray a pressurized jets of water and disinfectant. The rotating movement of the washing device, the inclination of jets and the high pressure, produce a “chisel effect”, that improve the washing system of the wc-bowl.

Drying of sitting surface:

is obtained by blowing air under pressure, generated by a tangential electric fan (560 mc/h a 500 Pa), through a diffuser, that conveys and addresses the air flow in such a way, useful to eliminate any residual of water resulting from the cleaning of the sitting surface. The electric fan is "low noise".

Walls washing:

Washing and disinfection of the walls around the wc bowl, until an high of 80 cm



Washing and disinfection system SMART TECNOLOGY®:

Our system **washes, disinfects and dries the surface of the wc-bowl, the walls up to 80 cm**: the surface is washed with high pressure jets of water and disinfectant, sprayed from the stainless steel nozzles in the floor. To increase performance and optimize wash water consumption, the nozzles are activated alternately: the power of the water spray is used to move small waste on the floor surface with recovery in technical room, leaving the floor clean and disinfected, with a total consumption of water for each washing cycle of 20 lt.

Floor is made of extruded aluminum slats, anti-slip, anti-fingerprint and anti-bacterial: this material has the advantage of not having joints and do not need regular maintenance. Floor cleaning can be easily programmed according to customer needs.

Cleaning the floor can be easily programmed according to customer requirements and the number of daily hits the toilet.



Automatic handbasin washing:

This system consists in right placed wipers that allow to clean the wash basin internal surfaces. This system allow to clean and cleanse the wash basin after every use.

Wipers are placed at wash basin sides and they cleanse both walls and the sloping plane. This system allows moreover to remove possible objects on the wash basin. (**security system anti-syringe - exclusive PTMatic**).



The seating surface and the inner walls of the toilet wc-bowl are washed with water and disinfectant sprayed from nozzles located on the device retractable rotary. Drying takes place during the closing of the door, thanks to a jet of high pressure air

A continuous water veil on the internal walls during the use, prevent the bowl from "adhesions"

The handbasin is washed after each use, thanks to the presence of nozzles that spray water, cleaning the surfaces and sides

A large grid over the entire wall to the drain of the washing water, ensures an easy discharge of liquids

The floor is washed and disinfected after each use, thanks to the presence of stainless steel nozzles that spray high pressure water and disinfectant

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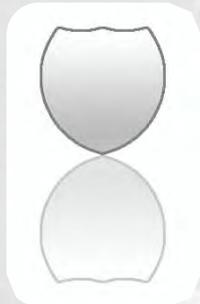
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KIT WINTER PRO

Solution for increase toilette winter environment heating with:

- Winter environment security heating COMFORT PLUS
- Automatic depletion device of the water system
- Thermal and acoustical increase insulation
- Hot water boiler



KIT INOX

solution with stainless steel accessories vandal-proof with:

- Stainless steel wall-hung bowl with overflow control device
- Stainless steel baby-changing table
- Stainless steel handrail for disable users



KIT VISTA PT®

- PT-help-sound system emission with voice instructions and messages to users visually impaired
- Internal control buttons with instructions in Braille and backlit with LEDs



EXTERIOR - finishing



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EXTERIOR - optional



PAINTED SWINGING DOOR



STAINLESS STEEL SWINGING DOOR



STAINLESS STEEL SLIDING DOOR

AMSTERDAM FLASHING



MILAN FLASHING



VENEZIA FLASHING



INFO PANEL

- lighting display
- entrance with coin or badge (on request)



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