

**MM**  
MAJOR & MAKER



*MAJOR CHANGE*

*A HEALTHY LIFE MAKER*

# **INTRODUCTION**

# About us



**Major&Maker** is the first Polish brand that focuses exclusively on selling products such as smart toilets and bidet toilet seats.

- Our main goal is to improve and raise the quality of life of European residents to ensure them a more comfortable and easier daily functioning.
- With the progress of science and technology, the smart home system is gradually entering the lives of all of us, contributing to a greener lifestyle and greater convenience for people.
- Major&Maker following the trend as one of the first brands in Poland introduced a series of smart toilets and bidet toilet seats.
- Based on the latest scientific and technological achievements, we have developed devices with comprehensive utility functions.
- Our products are created to serve each family and provide its members with a healthier, better and more comfortable lifestyle.

# The origin and development of smart toilets



- Smart toilets were initially used primarily for the treatment and health care of older people in the United States.
- The first devices had only the function of washing with warm water for the treatment and care of people with diseases of the gastrointestinal tract and with mobility problems.
- Over time, due to the progress and development of science and technology, these devices began to reach more and more homes to care for the health of all family members.
- Smart toilets have developed the fastest in Japan, South Korea and China, and only later became popular all over the world.
- The functions of intelligent toilets can effectively minimize the risk of developing intestinal diseases and the formation of bacterial infections in the intimate areas (especially in women).
- They also contribute to a significant reduction in the number of cases of gynecological diseases and diseases of the gastrointestinal tract, and at the same time have an effective treatment and remission effect in people who have had similar complications so far.
- Currently, more and more families are using smart toilets, which reflects not only the pursuit of a comfortable and healthy life, but also has an impact on ecology and energy saving.

# The popularity of devices in the East



- In Japan, most toilets (even public ones) have electronic toilet seats with a washing functions.
- Since 2002, the number of Japanese flats with bidet toilet seats exceeded the number of families with personal computers.
- The first washlet was created in 1997 in Japan and was entered in the Guinness Book of Records.
- Washlet is the most popular in the Far East, however, this solution is more and more often found in Europe and the United States.
- The first combination of the toilet bowl and bidet was developed in Switzerland in 1964, and only later this idea came to Japan.

# Our products

Major&Maker has in its offer two types of devices equipped with washing functions:

- **Smart toilets**

Ready and complete devices (toilet bowl and toilet seat) with integrated flushing system.



- **Bidet toilet seats**

Devices mounted directly on the toilet bowl in a similar way as standard toilet seats.



# Who is the smart toilet for?



- A good time to change when renovating or finishing a new apartment.
- The highest functionality and comfort of use.
- The best workmanship.
- Attractive appearance and prestige.

# Who is the bidet toilet seat for?



- A simple way to improve your toilet with cleaning functions, often without having to undergo renovation.
- It is possible to use your toilet bowl.
- No need to install a separate device in the bathroom - a bidet.
- A cheap and effective solution that allows you to care for hygiene of intimate areas.

# The advantage of an smart toilet over a bidet toilet seat

- It is possible to open and close the cover or lid after putting the foot to the sensor.
- It is possible to open and close the cover or lid using the remote control.
- Built-in flushing water tank (no rack required, saving space in the bathroom).
- Built-in separate tank for washing water, which changes automatically for fresh every 72 hours.
- Automatic water flushing function after using the toilet.
- The function of automatically cleaning the inside of the shell during the flushing process using two holes, from which a spiral stream of water comes out.
- More accurate siphon flushing, more water saving, no residue inside the shell.
- The function of automatically closing the cover and the board 2 minutes after getting up from a sitting position.
- Built-in deodorizer from carbon bamboo.
- Perfectly integrated toilet seat with a bowl that creates a uniform surface that is easy to keep clean.
- Built-in stainless steel dryer (not plastic).



# Major&Maker smart toilets

## • SUPREME



## • LUXURIOUS



## • CLASSIC



## • HONOR



- Opening and closing the cover and the lid:
  - Applying a foot to the sensor
  - Using the remote control
  - Manually with automatic mechanism support
- The function of automatically closing the cover and the lid 2 minutes after getting up from a sitting position.
- Automatic water flushing from an additional built-in tank.
- Vertical sewage drain.

- Opening and closing the cover and the lid:
  - Applying a foot to the sensor
  - Using the remote control
  - Manually with automatic mechanism support
- The function of automatically closing the cover and the lid 2 minutes after getting up from a sitting position.
- Automatic water flushing taken directly from the source.
- Horizontal or vertical sewage drain (depending on the version chosen).

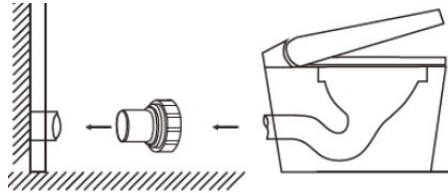
- The cover and the lid can be opened or closed manually with the support of an automatic mechanism.
- Automatic water flushing from an additional built-in tank.
- Vertical sewage drain.

- The cover and the lid can be opened or closed manually with the support of an automatic mechanism.
- Automatic water flushing taken directly from the source.
- Horizontal sewage drain.

# Connection methods for smart toilets

## Connecting methods to the sewage system:

- Horizontal drain, into the wall (Luxurious, Honor models)



- Vertical drain, to the floor (Supreme, Luxurious, Classic models)



## Connection to a water source:

- Connection of water supply to one water approach in the wall.

## Additional connection required:

- 230V socket.

# Connection methods for bidet toilet seats

## Installation method on the toilet bowl:

- Mounting plate for toilet bowl with horizontal and vertical adjustment (included).



## Connection methods to the water supply:

- I METHOD - Connection through a tee valve (included in the set) with the flushing water tank.








- II METHOD - Connecting the water supply to a separately prepared water approach in the wall.

## Additional connection required:

- 230V socket.

# Comparison of Major&Maker bidet toilet seat models

<b>MODEL AND PICTURE</b>					
	<b>Smaragd 200A</b>	<b>Diamond 200B</b>	<b>Sapphire 270B</b>	<b>Crystal 290A</b>	<b>Rubine 290B</b>
<b>OUTSIDE DIMENSIONS</b> The dimensions of the device designated at the most extreme places	<ul style="list-style-type: none"> <li>• Length: 480mm</li> <li>• Width: 455mm</li> <li>• Height: 145mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 480mm</li> <li>• Width: 410mm</li> <li>• Height: 145mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 510mm</li> <li>• Width: 385mm</li> <li>• Height: 145mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 510mm</li> <li>• Width: 455mm</li> <li>• Height: 145mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 510mm</li> <li>• Width: 410mm</li> <li>• Height: 145mm</li> </ul>
<b>INSIDE DIMENSIONS</b> Seat hole dimensions designated at the most extreme places	<ul style="list-style-type: none"> <li>• Length: 280mm</li> <li>• Width: 203mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 280mm</li> <li>• Width: 203mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 292mm</li> <li>• Width: 203mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 297mm</li> <li>• Width: 203mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 297mm</li> <li>• Width: 203mm</li> </ul>
<b>CONTROL TYPE</b> Using a remote control or side panel	<ul style="list-style-type: none"> <li>• <b>Extended side panel</b> Access to all functions (right-handed operation)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Remote control</b> Access to all functions</li> <li>• <b>Simplified side panel</b> Access to selected functions: Posterior massage, Bidet massage, Dry, Stop (right-handed operation)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Remote control</b> Access to all functions</li> <li>• <b>Simplified side panel</b> Access to selected functions: Posterior massage, Bidet massage, Dry, Stop (left-handed operation)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Extended side panel</b> Access to all functions (right-handed operation)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Remote control</b> Access to all functions</li> <li>• <b>Simplified side panel</b> Access to selected functions: Posterior massage, Bidet massage, Dry (right-handed operation)</li> </ul>
<b>SIGNALING DIODES</b> Located at the front on main body of the product, signals currently customizable parameters	<ul style="list-style-type: none"> <li>• NO</li> </ul>	<ul style="list-style-type: none"> <li>• YES</li> </ul>	<ul style="list-style-type: none"> <li>• YES</li> </ul>	<ul style="list-style-type: none"> <li>• NO</li> </ul>	<ul style="list-style-type: none"> <li>• NO</li> </ul>
<b>LOCATION OF THE WATER AND ELECTRICITY CONNECTION</b> Directions determined based on the above photos	<ul style="list-style-type: none"> <li>• <b>Outlet for connecting the water supply:</b> On the right side</li> <li>• <b>Electric wire output:</b> On the right side</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Outlet for connecting the water supply:</b> On the right side</li> <li>• <b>Electric wire output:</b> On the right side</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Outlet for connecting the water supply:</b> On the left side</li> <li>• <b>Electric wire output:</b> On the left side</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Outlet for connecting the water supply:</b> On the left side</li> <li>• <b>Electric wire output:</b> In the middle</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Outlet for connecting the water supply:</b> On the left side</li> <li>• <b>Electric wire output:</b> In the middle</li> </ul>

# Compatibility of our products

## COMPATIBILITY OF TOILET BOWLS WITH MAJOR&MAKER TOILET SEATS

### GENERAL RULES

- **Bowl shape:** round - oval

- **The upper surface of the bowl at the point of connection with the wall:** flat

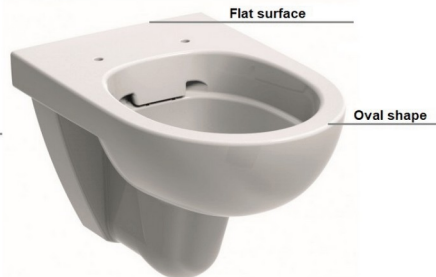
For bowls that exceed the minimum recommended size, the type of toilet bowl end used may not affect product compatibility.

Otherwise, the length dimension of the bowl should be taken into account only to the place where its upper surface ceases to be flat.

An example of an incorrectly selected bowl



An example of a perfectly matched bowl



Model	200A – Smaragd 200B – Diamond	270B – Sapphire 290A – Crystal 290B – Rubine
Required minimum dimensions of toilet bowls		

### The most important issues that you should first pay attention to when choosing a toilet bowl:

1. The most oval shape of the toilet bowl.
2. An appropriate minimum total length of the upper, flat surface of the toilet bowl on which the toilet seat will be mounted.
3. Spacing of holes on the toilet bowl to which the toilet seat will be attached (in the range between 12-18cm).

## COMPATIBILITY OF TOILET BOWLS WITH MAJOR&MAKER TOILET SEATS

### LIST OF SELECTED MODELS OF COMPATIBLE TOILET BOWLS WITH MAJOR&MAKER TOILET SEATS

- **Toilet bowl models compatible only with the smaller Major&Maker toilet seats models:** 200A (Smaragd), 200B (Diamond)

- **Altceram:** File
- **Cersanit:** Moduo, City Oval, President, Megan, Agis Plus, Inteo, Neso, Morena, Laro, Artec
- **Deante:** Peonia
- **GROHE:** Bau, Perth, Solido Bau
- **KERRA:** Vesta, Retro KR 13
- **KOLO:** Rekord
- **Roca:** Adele

- **Toilet bowl models compatible with all Major&Maker toilet seats models:** 270B (Sapphire), 290A (Crystal), 290B (Rubine), 200A (Smaragd), 200B (Diamond)

- **Artceram:** Pop, Gio Evolution
- **GROHE:** Bau
- **Cooke&Lewis:** Cavally
- **Duravit:** Architec
- **Excellent:** Doto
- **Hatria:** Fusion
- **Keramag:** iCon
- **KOLO:** Nova Pro Oval
- **Massi:** Decos, Loca Duro
- **Rea:** Sergio
- **Roca:** Debba Round; Meridian-N, Nexo
- **Villeroy&Boch:** Architectura, Avento, Subway 2.0, O.Novo, Targa

### FINAL REMARKS

- We offer two types of devices:
  - Smart toilets, complete appliances with pre-installed toilet seats and an integrated water flushing system.
  - Toilet seats, to which you should buy a flush-mounted kit and the toilet bowl on which it will be mounted. We do not sell sets like toilet bowls with toilet seats.

- Not all toilet bowl models from the above list were manually adjusted and mounted on our toilet seats, therefore, we are not able to guarantee full compatibility or accurately determine which of the above toilet bowl models will be best suited to our toilet seats. The models presented above are only our suggestions.

- **NOTE:** Some toilet bowl models come in several different dimensional versions (under the same product model name). When making a purchase, it is recommended that the dimensions given in the product description meet all the standards described in this document. In case of any doubts regarding the dimensions of individual toilet bowl models, it is recommended to contact the seller of these products directly before making a purchase.

# Advantage over a regular bidet

## **Space saving and easy installation.**

- A washing toilet is a combination of an intelligent toilet and a bidet.
- No need to install two separate devices, saving space.
- No separate water tank or built-in rack required.

## **More advanced functionality than a bidet.**

- The water temperature can be adjusted.
- The drying temperature can be adjusted.
- The temperature of the toilet seat can be adjusted.
- The nozzle position can be adjusted.
- Adjustable water pressure level.
- Rear wash function (in normal or massage mode).
- Front washing function for women (in normal or massage mode).
- Washing function in "turbo" mode with intense water pulsation, which supports the defecation process.
- Drying function.
- Baby wash function.

# No need to use toilet paper



- Paper is an additional cost.
- Paper is a collection of bacteria.
- The paper irritates the skin.
- The paper requires quite a lot of storage space.
- Flushing a large amount of paper often clogs standard toilets.
- Using toilet paper is a less ecological solution.

# For the sake of health, hygiene and cleanliness

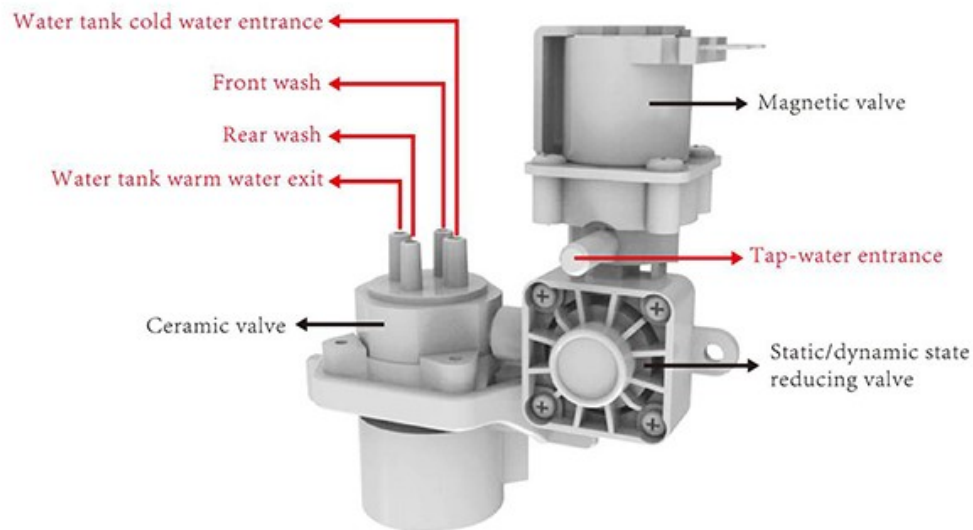
- Caring for hygiene of intimate areas removes bacteria and minimizes the risk of disease.
- Comfort in care and maintaining cleanliness, including for pregnant women, the elderly and persons with mobility limitations.
- Self-cleaning function of the washing nozzle before and after using the washing functions.
- Double flush holes keep the toilet clean even when the water pressure is not strong enough.
- For aesthetic reasons, the toilet is equipped with two tanks, one for rinsing water and one for washing water.
- After 72 hours, the water is automatically replaced with fresh water in the washing tank.
- The advanced heating system guarantees instant flow heating and stable water temperature during washing.
- An additional ceramic valve placed in the water system protects the internal elements against scaling, which can be particularly useful in the case of poor water quality.
- Inside the shells there is a carbon bamboo deodorant that absorbs unpleasant odors, and then gradually releases them into the environment. This filter cleans itself automatically and does not require any user intervention.
- Major & Maker appliances are constructed of high quality materials that create a uniform block and provide comfort in cleaning.
- For the production of toilets we use first class ceramics resistant to dirt and color change.
- The coating of the toilet seat and lid is made of high quality ABS materials resistant to bacterial deposition, UV radiation and fire.



# Comfort of use, convenience, modernity and functionality

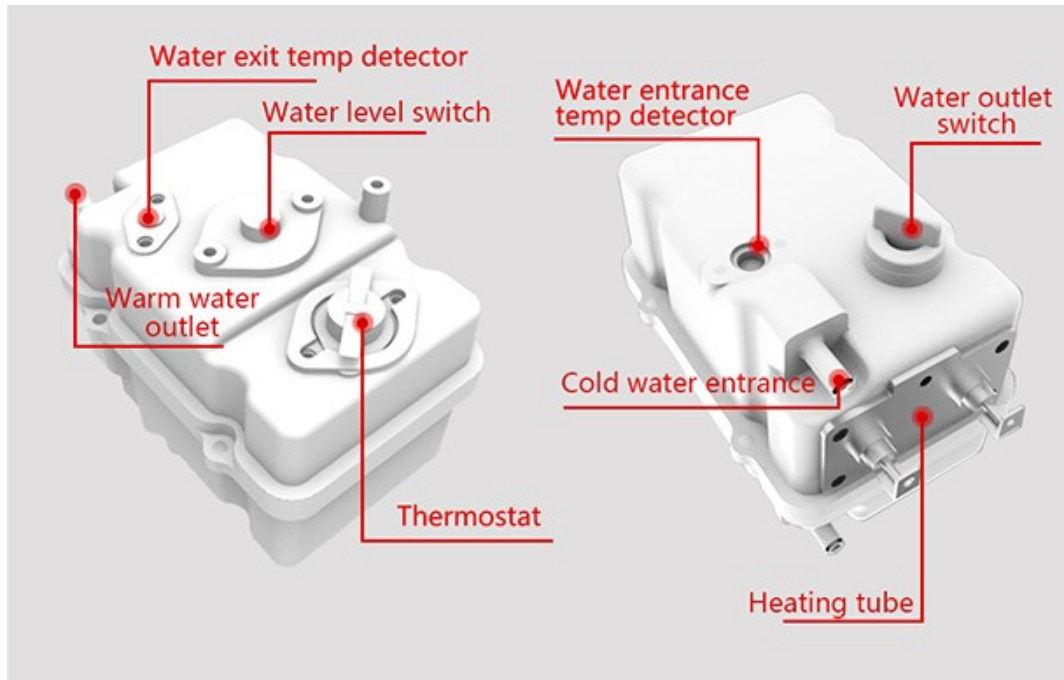
- High-quality washing nozzle with two types of water jets made of stainless steel resistant to dirt and corrosion.
- An advanced capacitive-flow heating system that guarantees instant heating and stable water temperature during washing. Water temperature can be adjusted within the range
- Heated seating with adjustable temperature.
- The toilet seat and lid have a drop buffer, thanks to which they can close slowly and quietly.
- Possibility of convenient control via remote control or push button on the side.
- Built-in electronic display that displays all customizable parameters.
- One-touch activation of the automatic mode with the last parameters saved.
- The toilet's backlight function can be particularly useful at night.
- Every time you use the toilet, there is an automatic and precise siphon flushing with minimal water consumption.
- There is a presence sensor under the seat, which, after detecting the user's body, activates all washing functions.
- After putting the foot on the sensor or pressing the appropriate button on the remote control, the lid and / or board are opened. After two minutes of inactivity, the board and lid close automatically.
- For the sake of long life, high-class electronic components have been used that are able to survive a faultless period of at least 8 to 15 years.

# Our technology - Ceramic valve



- In all our devices: smart toilets and bidet toilet seats we have used an additional ceramic valve in the water system.
- Standard solutions use only a single magnetic valve, thus in case of poor water quality, the phenomenon of limescale formation occurs, which may eventually lead to leakage or other failure.
- That is why we used both a magnetic valve and a ceramic valve to control the waterway system.
- Thanks to this, the whole system is adapted to trouble-free operation regardless of the water quality - even if one valve has a problem.
- Our proprietary, unique and patented technology of the dual-core waterway system is able to withstand up to 200,000 water flow cycles.

# Our technology - Heating system



- The heating system used in our devices is controlled by 2 temperature sensors.
- One sensor detects the inlet cold water temperature and the other detects the hot water outlet temperature, after which the processor takes a request to heat the water from both detectors.
- As a result, both the speed and temperature of the water flow are stable.
- The volume of the washing water tank in our devices is 0.3l, 0,67l or 1l (depending on model).
- If the washing function has not been used for 72 hours, the water in the tank is automatically replaced, making it always fresh.

# Our technology - Circuit system



- The high-quality motherboard.
- used in our devices was created by an independent department research and development.
- All installed components form separate modules, thus in the future if necessary, our service can easily replace them with new ones.
- Each component has been thoroughly tested for durability, which means that the products are designed for trouble-free operation for a minimum period of 8 to 15 years depending on the frequency of use.