

1/2 WASH & MORE

Futuristic design offering mobility, remote control and Robo Adviser.

▪ Retractable wheels (to give mobility inside your home)

The whasing machine features 4 wheels, allowing the user to move it easilly inside his home. Once the place is fixed the whells will retract inside the case placing the washing machine on its rigid case.

To actuate the wheels, 4 SMA (shape memory alloy) spring actuators can be used.

A shape memory alloy is an alloy that "remembers" its original shape and that when deformed, returns to its pre-deformed shape when heated. This material is a lightweight, solid-state alternative to conventional actuators such as hydraulic, pneumatic, and motor-based systems. Shape-memory alloys have applications in robotics and automotive, aerospace and biomedical industries.

▪ Robo-Adviser

A Robo-Adviser will guide the user step-by-step while installing the washing machine, setting the programs, give service and maintenance advices and debug a problem.

▪ Colour recognition

The smart washing machine features a camera that's able to detect and compare the colour of each cloth inside the tub with the washing program selected. In case one red shirt is introduced by mistake inside the tub along with some white clothes, the Robo-Adviser will display a Warning message on the LCD display.

▪ LCD display

For displaying different options:

- ✓ Washing/Drying programs and settings
- ✓ Running the system status and diagnosis
- ✓ Servicing and maintenance Robo-Adviser
- ✓ Remote connection and data transfer (set up you washing program from work or while traveling)

Solution

Simple geometries, smooth surfaces with rounded corners. Well organized proportions and ergonomic dimenions. Active noise cancelation. Flexible Morphing Structural Shapes (attenuate vibrations). Remote control via Bluetooth/ Wifi. Colour recognition. Robo-Advisor

Washful Thinking



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Creative's profile



Creative's top 5 skills

Product Design