



# eLeviT

electronic vitrum



Future interaction of glass

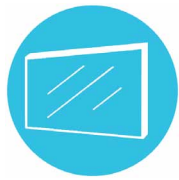


*“We can realize for your product the most extreme and beautiful design you have ever desired.”*



In **èlevit** we combine together many years of experience in **decoration of glass** with a very sophisticated **touch technology** to create fully customizable buttons and keyboards.

Through the use of **glass** we aim to elevate the **design factor** of your products with **reliability** and **innovation**.



# GLASS

Glass is a **noble** e **durable** material, with a very high **design** factor.

It is extremely **resistant** to the exposition to the elements, a characteristic which makes it suited for **external use**.

These benefit in combination with **modern touch technology** enable devices to be sophisticated and beautiful as well as **practical, resistant** and **easy to clean**.

Our advanced **sensors** are **touch sensitive** and **contact free** even with a very **thick glass**.

This technology is extremely **elegant** and **versatile** for a wide range of applications such as realization of coating surfaces for **furnishings** and **furniture design**.



# CUSTOM DESIGN

Most of our work is focused on the development of **innovative**, leading-edge techniques in **glass decoration**.

Through the use of **digital printing, painting, thermofusion** and **mechanical processing** we can realize the most **special** and **personalized design**.

In this way we offer to our clients an unique technology, very different with respect to other handmade realities which are difficult to be industrialized.





# TOUCH TECHNOLOGY

## BUTTON, SLIDER, PROXIMITY

Our technology consists of **push buttons**, **drag** and **proximity sensors**. Push buttons and drag sensors are activated when the surface is touched, while in the case of proximity sensors the contact is not necessary.



## RESISTANCE TO WATER AND DIRT

With our technology the touch experience is possible even in the presence of **dirt** and **water** making our products suitable not only for interior design, but also for outdoor applications.



## CUSTOMIZABLE INTERACTION

We have studied the most advanced solutions for the **interplay** with the keyboard in order to combine the **button's feedback** with **glass decoration** using **back-lighting effects**, **sound** and **tactile sense**.



## CONNECTIVITY AND HARDWARE COMPATIBILITY

We can develop a keyboard with an hardware that can manage all the industrial standards communication. Our technology works with different types of physical layers and protocols like **Wi Fi**, **Bluetooth**, **Ethernet**, **CAN**, **I2C**, **SPI**, **MODBUS**, **TCP/IP**. You can connect the keyboard with your smartphone or your tablet through **dedicated applications** making it even easier to monitor and manage.



## SENSORS AND ACTUATORS

The keyboard is not only a **human-machine interface** but it can also work as a **control unit** for your product. In this case it can also manage **sensors** and **actuators** of your system.

**Sensors:** Acquisition data temperature, pressure

**Actuator:** light, solenoid valves, motors



## MAINTENANCE

Our keyboards do not need any kind of maintenance.





# DESIGN GUIDE

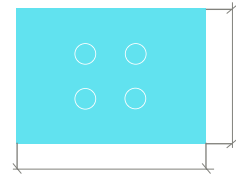
## STEP 1: STYLE

Minimal *Retrò*  
**ARCADE** Technical  
*FUTURISTIC*



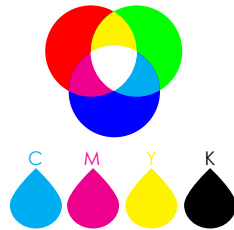
## STEP 2: SHAPE

- Dimension
- Thickness
- Mechanical specifications



## STEP 3: DECORATION

- Print
- Colors
- Paints



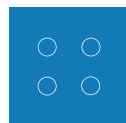
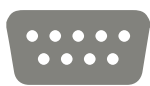
## STEP 4: INTERPLAY

- Lights
- Colors
- Sounds
- Vibrations



## STEP 5: CONNECTIONS

- Type of electronic interface between product and keyboards



# 1. GRAPHIC STYLE

Each project is **customized** according to the customer specifications.

Our production exibility in the decoration allows us to realize both minimal and more sophisticated keyboards.

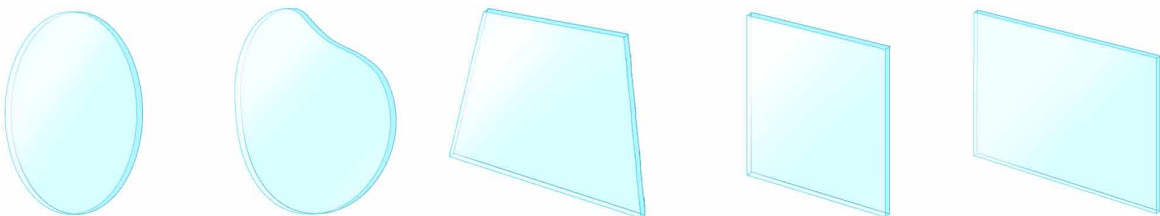
## EXAMPLE OF KEY TYPES



# 2. THE SHAPE OF GLASS

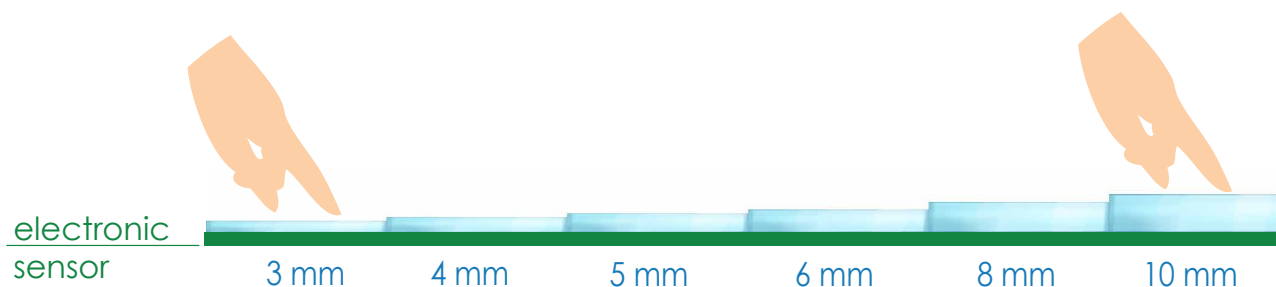
We are able to create glasses with **boundaries** of any **shape** and **leaving empty areas inside**.

If you need to distinguish a button without looking at it, it is possible to realize mat or glossy **glass engravings**.



Glass has a very **high resistance** to **compression**.

For example in order to break a cube of 1cm of glass it is necessary a weight of 10 tonnes.



Our sensors are reliable with all kind of thickness.

### 3. THE DECORATION OF GLASS

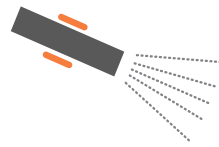
Our decoration techniques make use of digital technology.  
In order to compose the design of the keyboards we have many possibilities.



DIGITAL PRINTING



PAINTING



SANDBLASTING



ARTISTIC WORKINGS

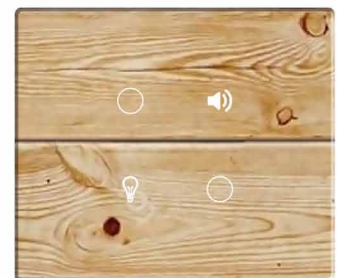
#### BACKGROUND LACQUERED

paints of any color, RAL, textural effects...



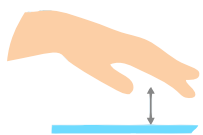
#### SLOGANS AND DIGITAL IMAGES

It is possible to include slogans, logotypes or photos even differentiated within the same product.



### 4. TOUCH INTERPLAY

With our technology we can decide the type of interplay with the product according to the requirement.



PROXIMITY:  
cases of  
hygiene or  
obscurity



TOUCH:  
dispensers



DOUBLE TOUCH:  
smart utilities



PROLONGED  
TOUCH:  
volume



TOGGLE BUTTON:  
light switch



## FEEDBACK

The responsiveness of the product is one of the most fundamental aspects of the design. We have studied the most different solutions for all the needs.

### BACK-LIGHTING

COLOR VARIATION: Our keyboards can have a back-light of any color which can also change while working.

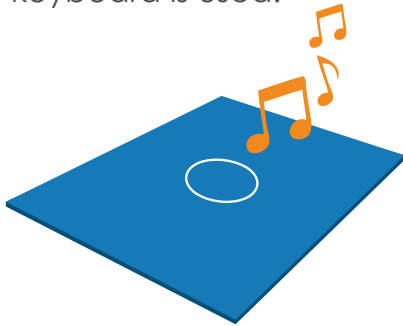


INTENSITY VARIATION: Also the intensity of the color can change creating beautiful optical effects.



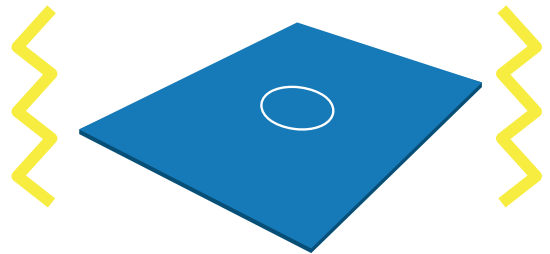
### SOUND

It is possible to have sound response any time the keyboard is used.



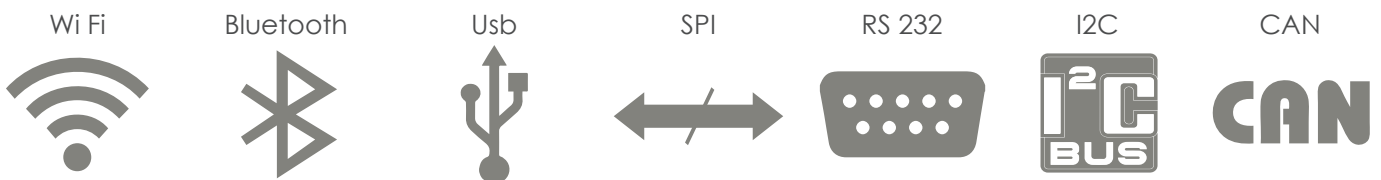
### VIBRATION

Another feedback which we can have when we press the keyboard is a subtle haptic vibration.



## 5. CONNECTIONS

We can interface with all kinds of products with industrial standards.

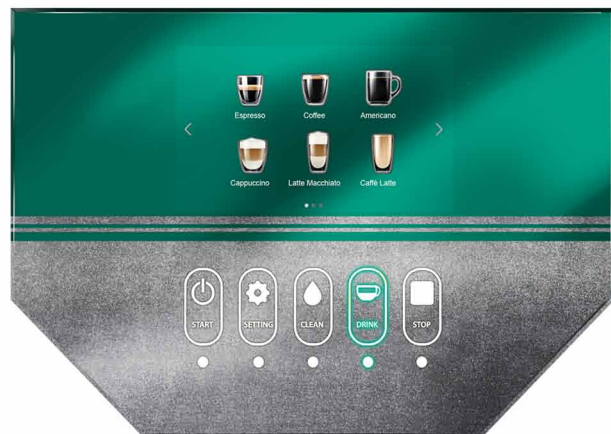
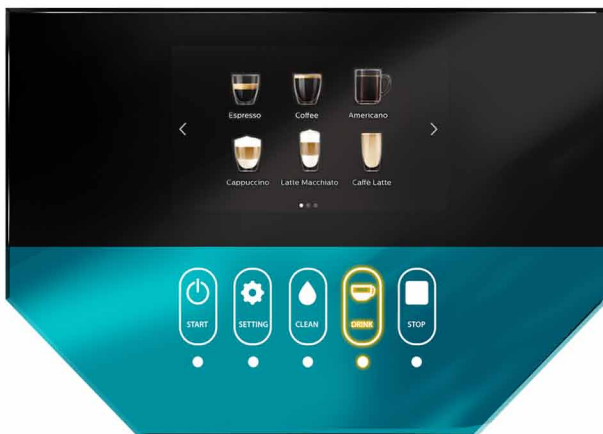
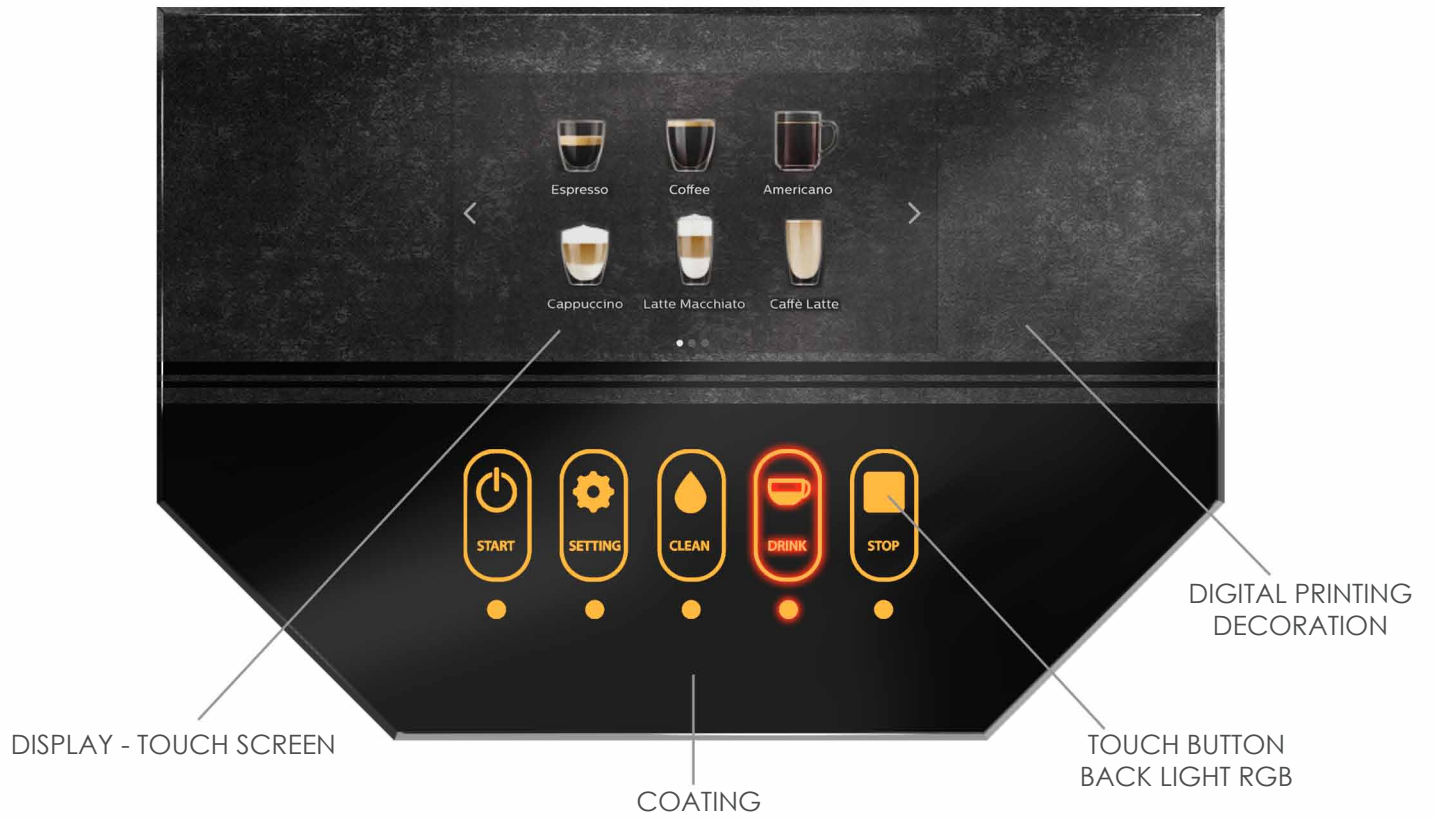


We can develop a dedicated App to manage the keyboard.



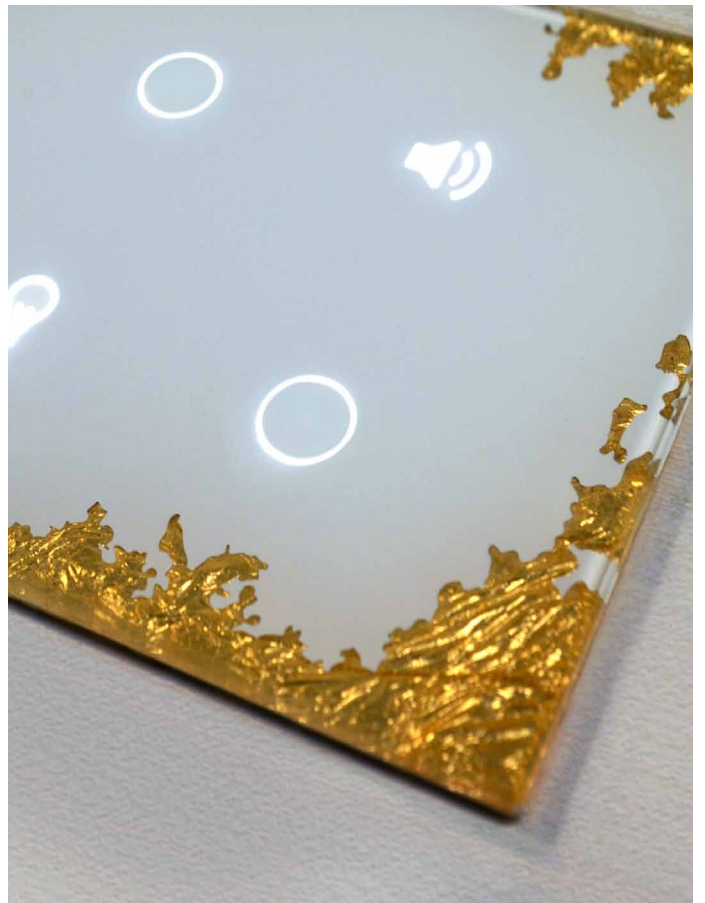
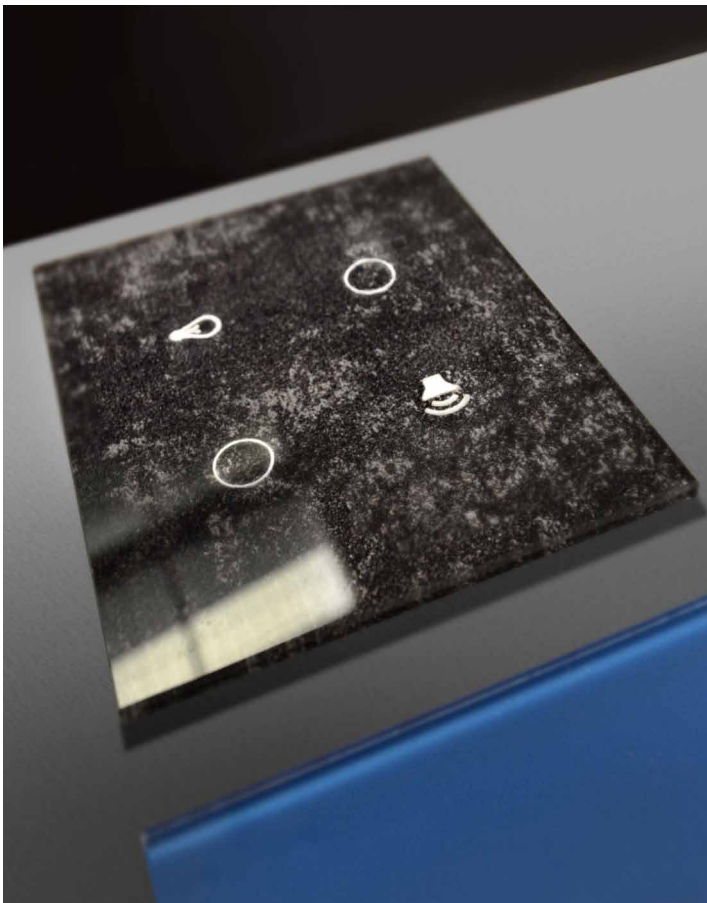


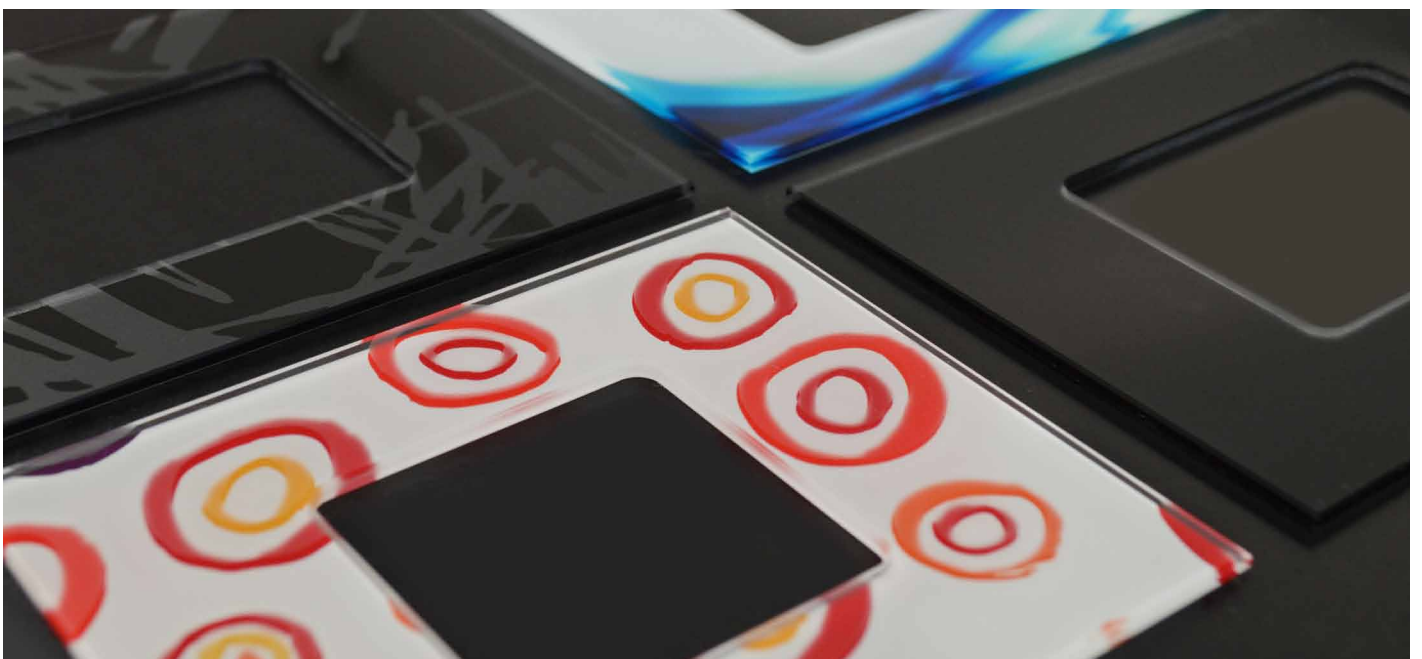
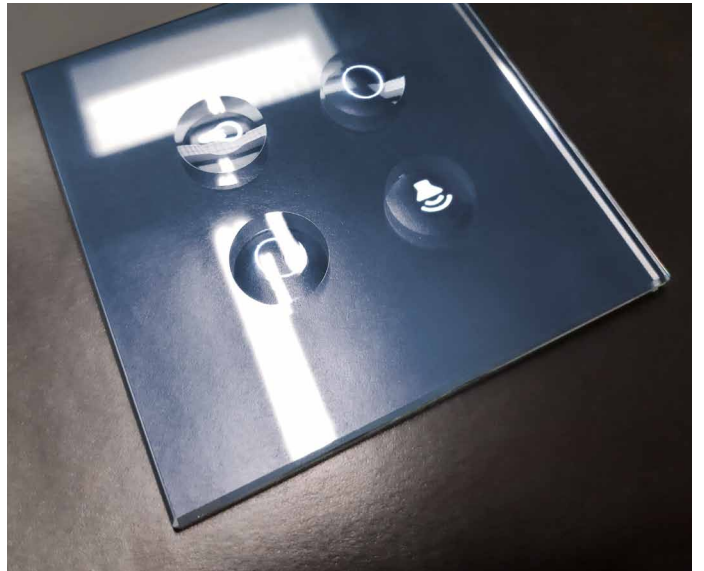
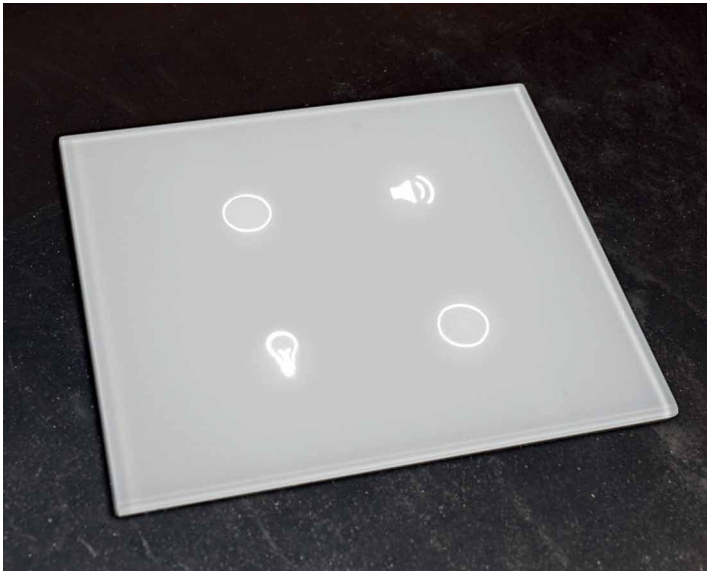
# DISPLAY





# EXAMPLES



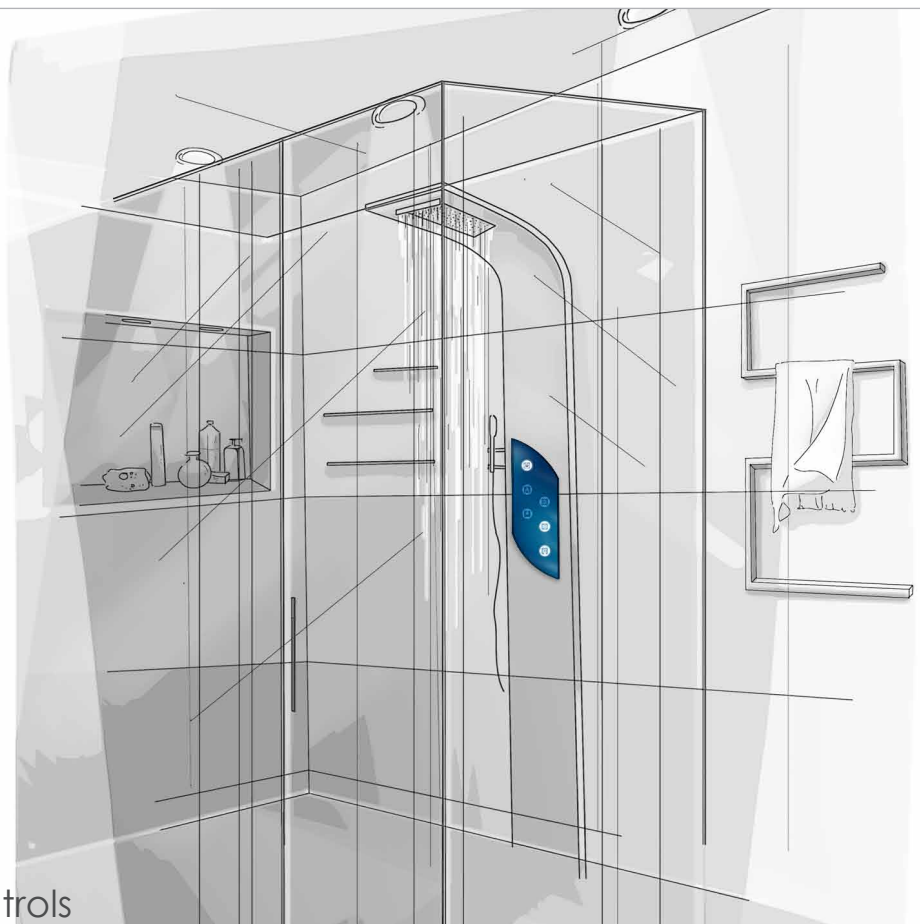




# APPLICATION EXAMPLES



**DOMOTIC** light switch



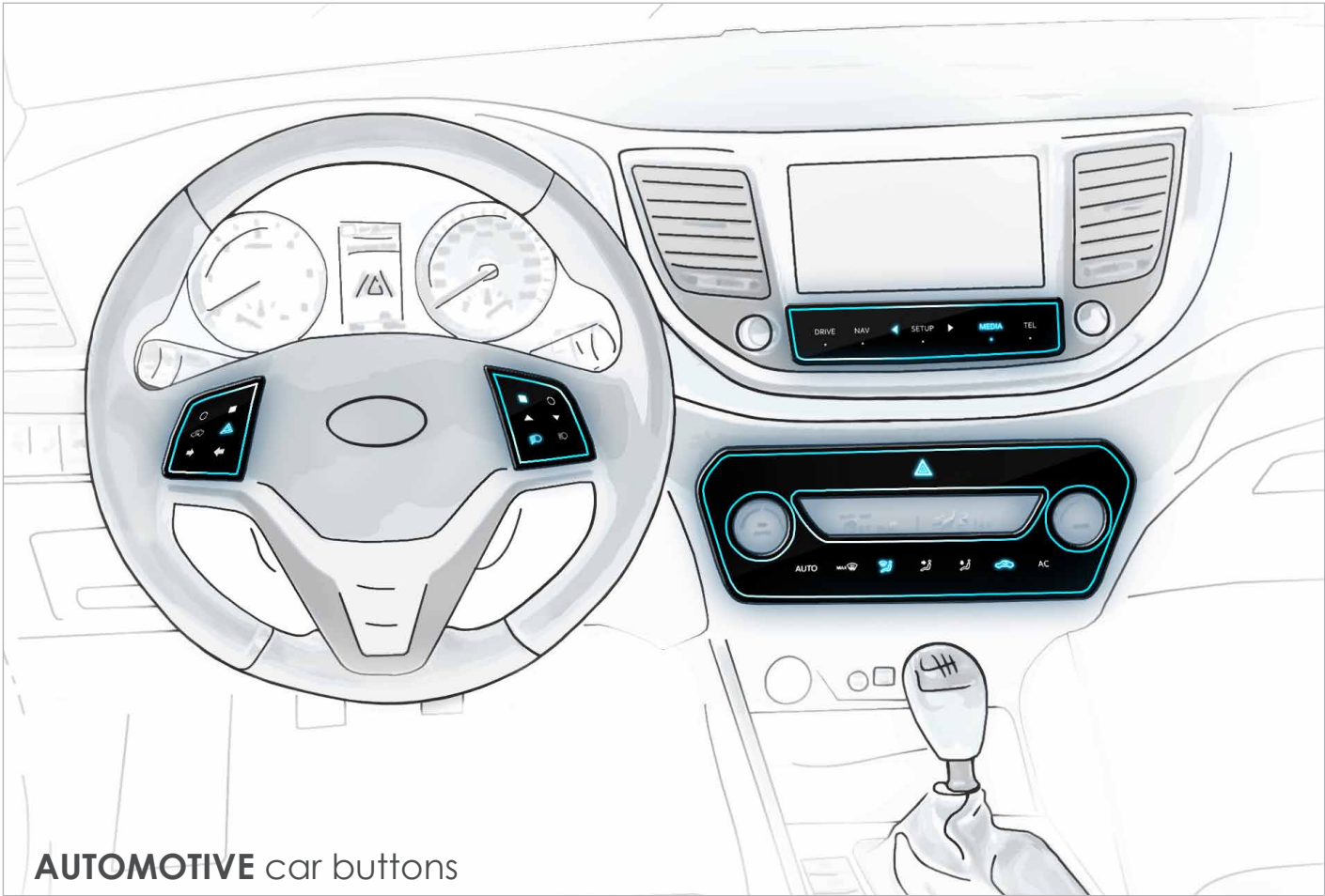
**DOMOTIC** shower controls



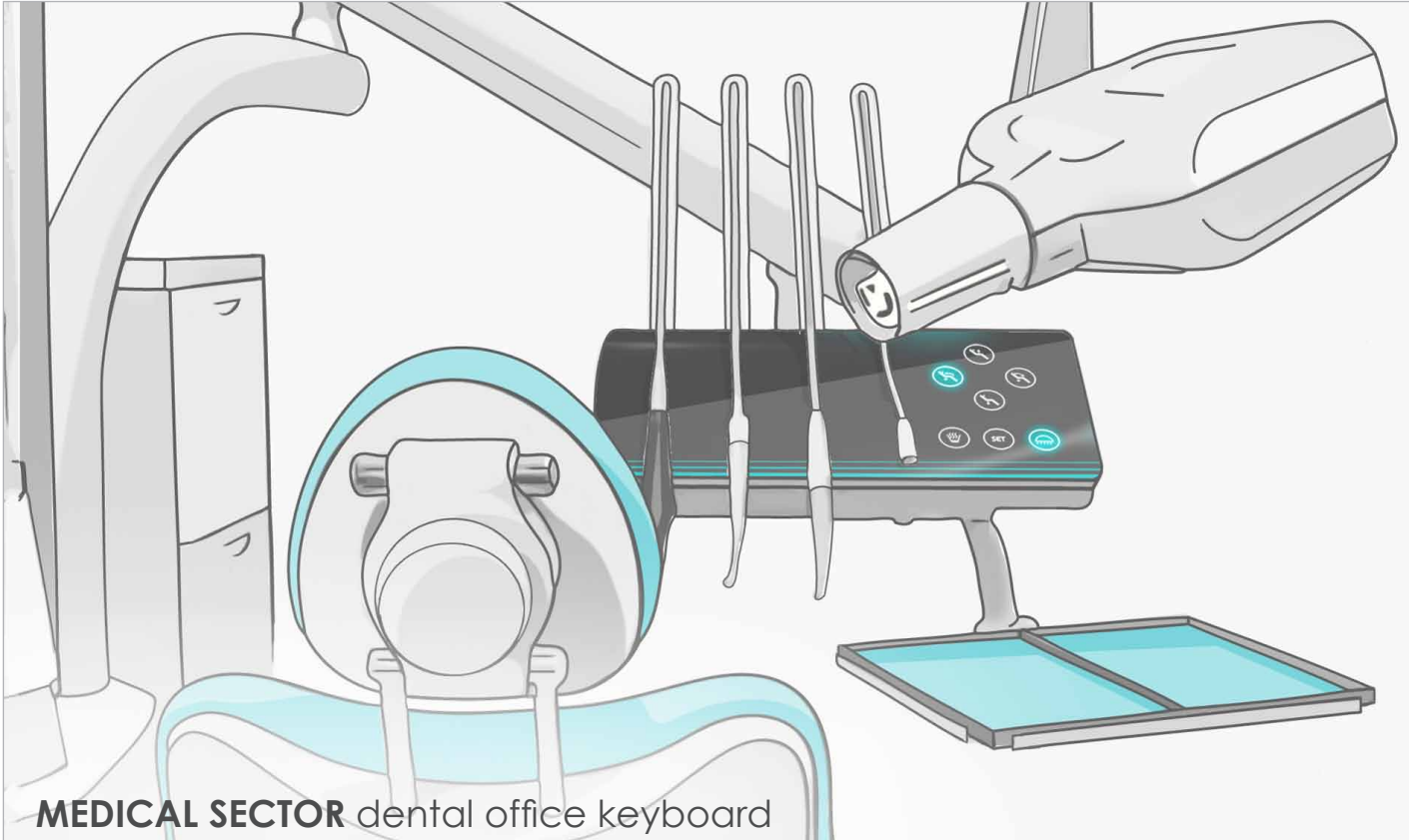
**DOMOTIC** faucet buttons



**VENDING** coffee machine keyboard



**AUTOMOTIVE** car buttons



**MEDICAL SECTOR** dental office keyboard





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