

Imparo R2

Dental Simulator



Reduce Learning Times

Imparo is a dental simulator designed to **replicate** the **spatial dynamics** of a real dental practice.

Ergonomics is a fundamental factor during the training process in order to teach the **right skills** to the students and let them practice with the **correct positions** and movements to achieve success.

Imparo encloses all the **experience** and the attention that we have for ergonomics in dental practices, in order assure the well-being of both dentists and patients.

Providing the chance to learn from the start the correct position, **Imparo** helps maintaining an **healthy posture**, preventing lumbar diseases.



Improve Confidence

Imparo is an **essential tool** that helps students during their way from Univerities to Clinics. Practicing with **Imparo** **reduces training period** and **fosters confidence** in movements and in the operating procedures.

Imparo gives you the chance to use the **most sophisticated and realistic tools** such as ultrasonic instruments, curing lights, micromotors, air-turbines. Moreover you will experience a real operation on a phantom head.

You can also enrich the training **showing videos** and other didactical materials through the monitor mounted on each **Imparo** unit to help your students .

Imparo Simulator



Net Connection

In order to make the simulation more and more realistic, **different optional accessories are available**: monitor supports, dental lights with integrated camera, a videorecorder to save lessons or training sessions.

Features

Imparo has a solid structure that guarantees an **optimal stability**.

Imparo has been designed with a strong focus on the **high quality** of all the components to ensure a **long life-time**.

Imparo can be **easily customized** based on a wide range of needs, thanks to its **versatile design**.

On **Imparo** you can install **all kind of phantoms** and the configuration is very easy.

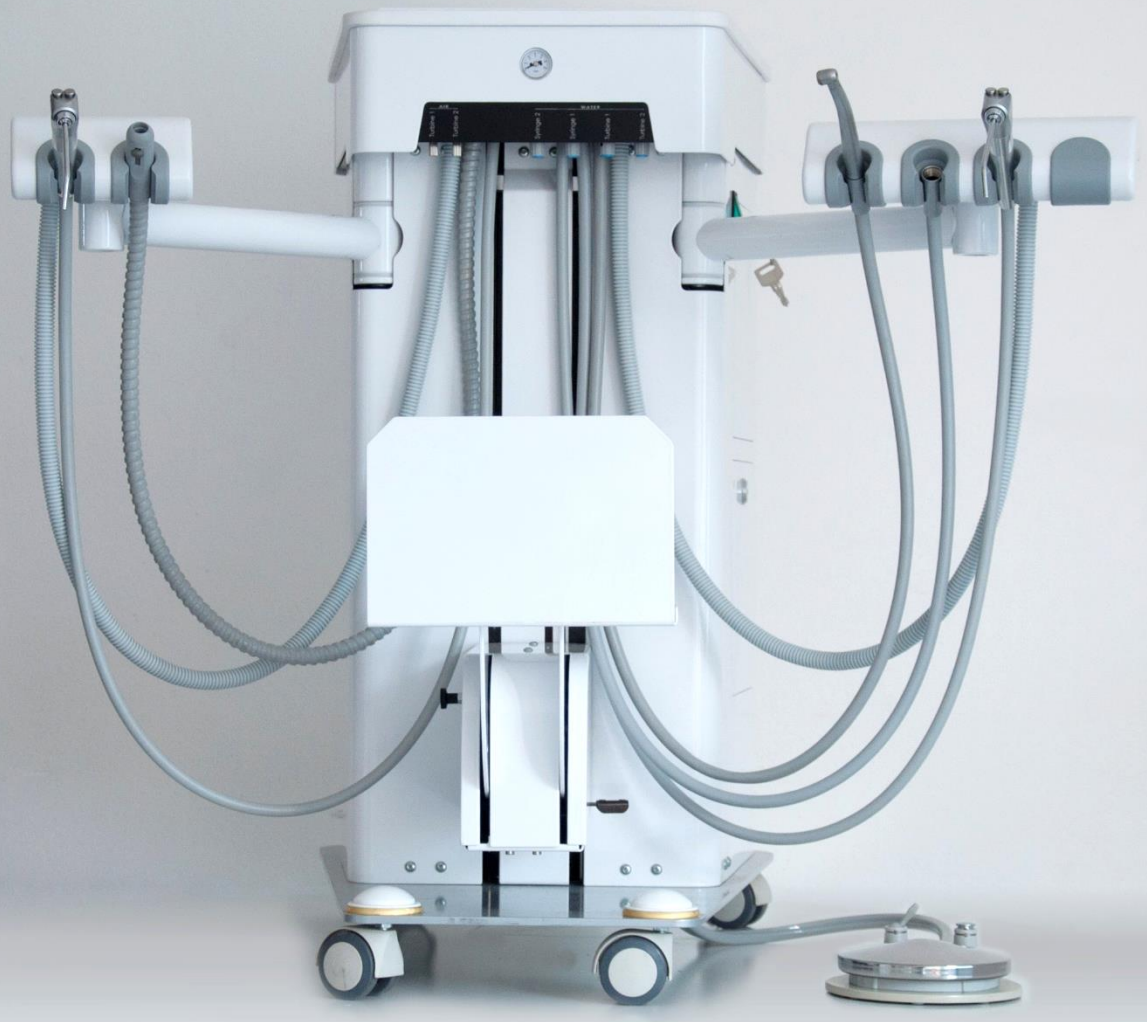
Imparo is equipped with a **control keyboard**, that allows you to control precisely and quickly the position and movements of the phantom.

Imparo enables students to work in an **ergonomic position** during the different procedures.

Imparo's compact dimensions make it **flexible and suitable also in small spaces.**

Imparo is **easy** and **cheap** to maintain.

Imparo is an **essential investment** in dental training equipment



Base Unit

- **Wide base** for granting **stability** during procedures.

- **Solid surface countertop**.

- **Instrument holder** is pivotable for right position and can be pulled in left/right position.

- The **two tablets (option)** of **Imparo** enable to perform a 4-hands simulated surgery.

- Supplied with **standard size instrument** tray and holder.

- The torso plate can be **adjusted** in order to create enough space to place the dental stool under the phantom

Imparo Simulator







- The instruments that are possible to mount on the Imparo are:
1. Turbine
2. Syringe
3. Saliva Ejector
4. Electric Micromotor

- Equipped with **self-contained water system** for instruments.

- Equipped **with air suction system** to evacuate the water during the training.

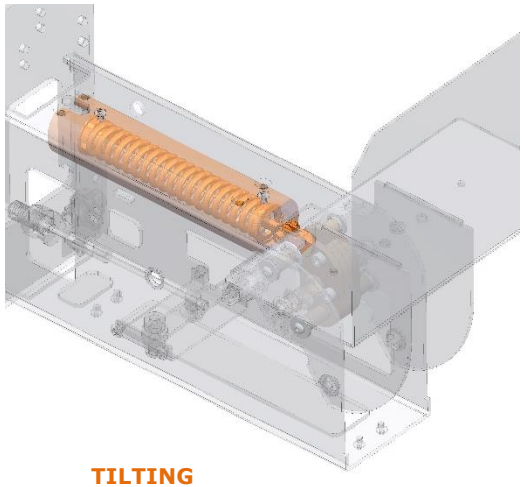
- **Imparo** is equipped with **2 wide drawers**, each with its own key, to store all the students' working instruments.

Manual Unit

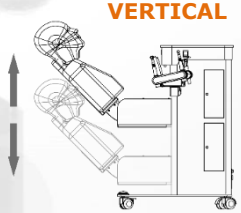
The Base unit is equipped with the **manual handling system:** with this system it is **really easy to move** the torso to the desired position.

WEIGHTLESS

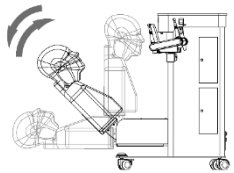
Thanks to an integrated system of springs and pulleys, **the torso appears to be weightless.**

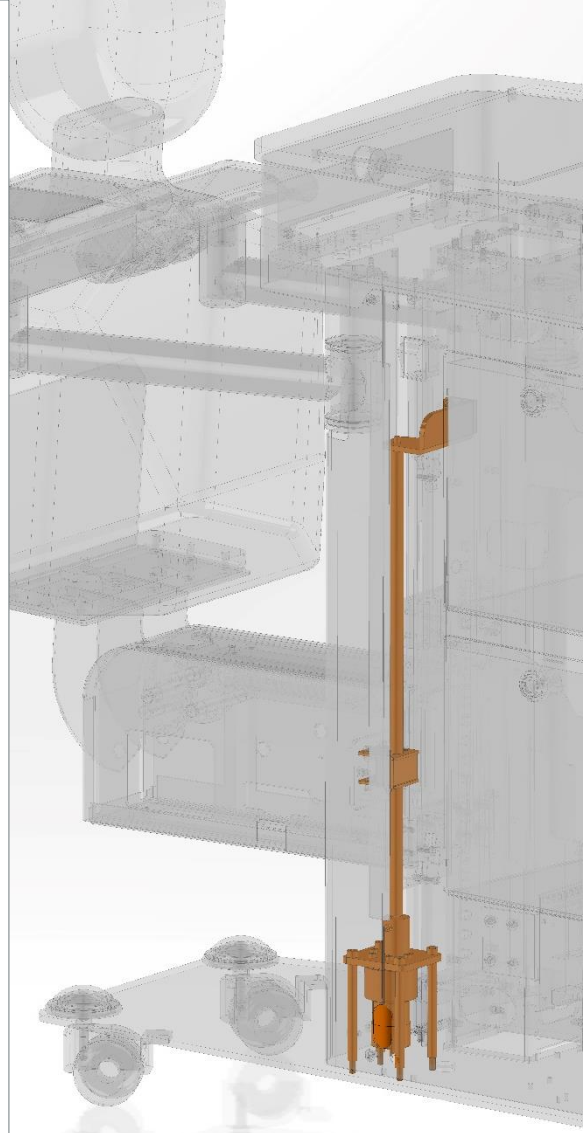


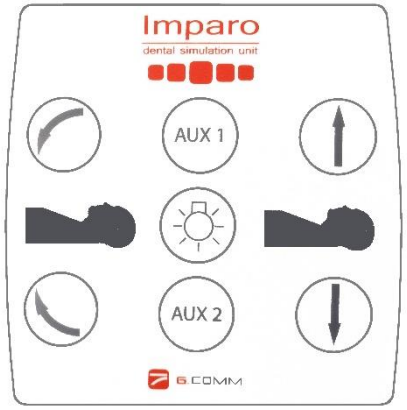
VERTICAL



TILTING







Electric Unit

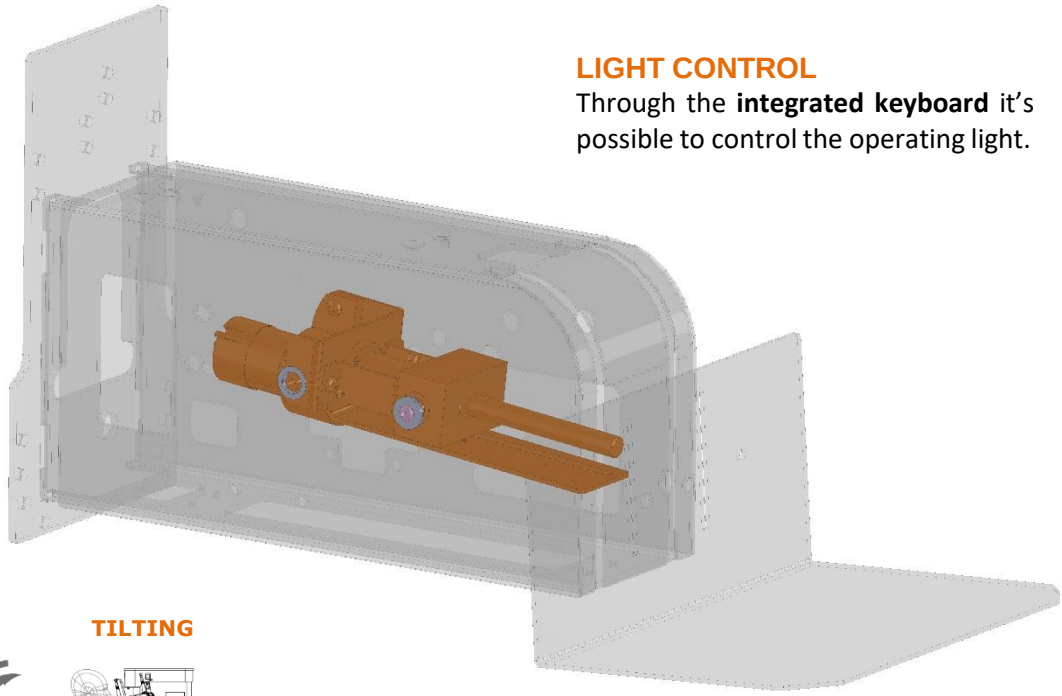
The unit can be equipped (optional) with an **electrical handling system.**

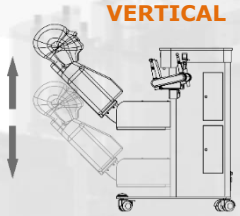
PRECISE POSITIONING

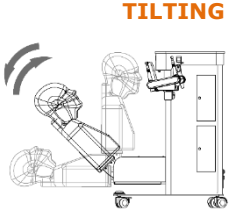
With this **accurate system** is very easy to move the phantom head in the most comfortable and useful position, promoting an **healthy posture**.

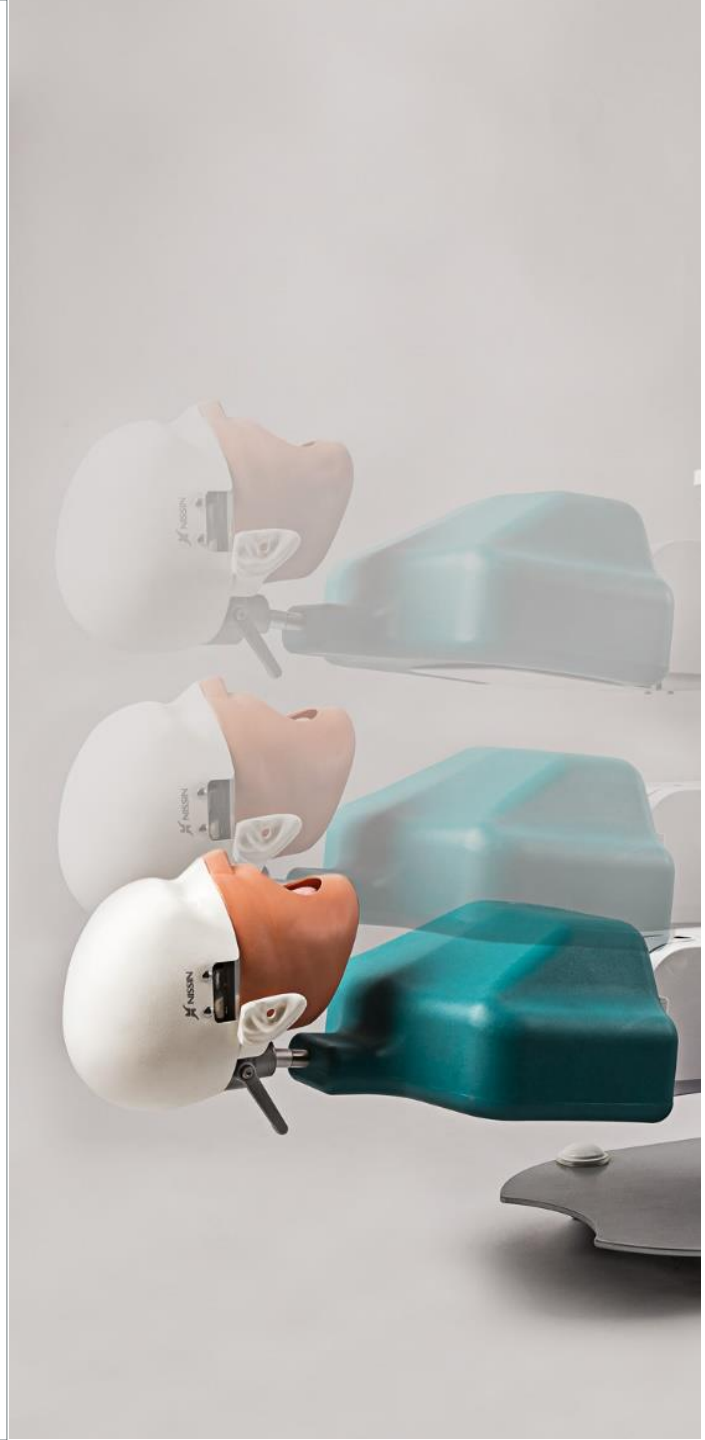
LIGHT CONTROL

Through the **integrated keyboard** it's possible to control the operating light.









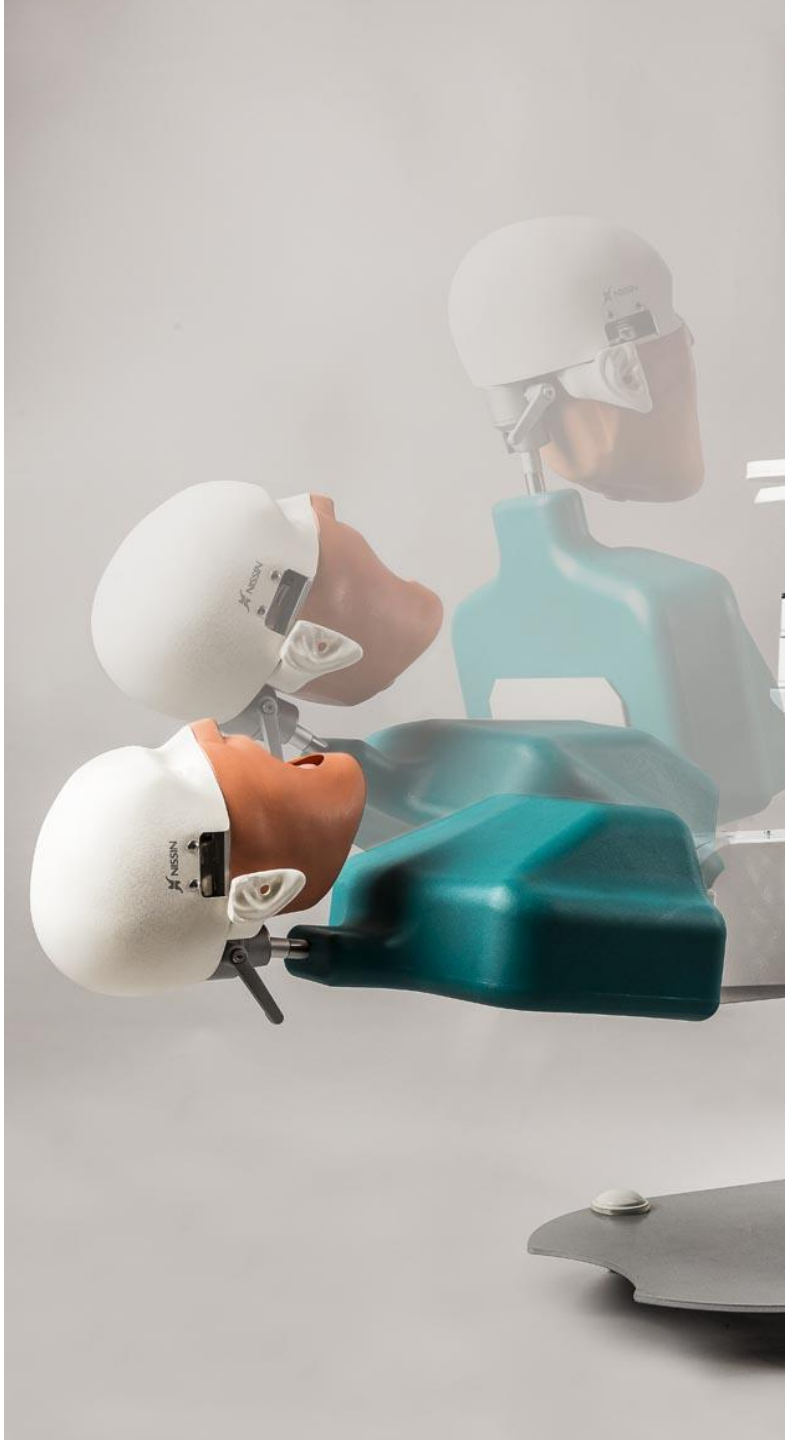
Body / Torso

- The **Imparo**'s torso is **compatible** with head from any other manufacturer.

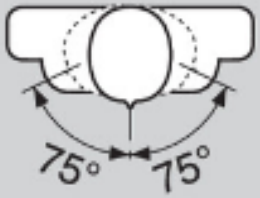
- Can be **tilted at 180°** and adjusted **up and down** by pushing the keyboard button on the main tablet.

- Realistic abdomen dimensions.

- Smooth surface for **easy cleaning.**









Head

- The **movement of the neck** of the phantom head is always mechanical.

- The head can be equipped with **different accessories** such as dental models, special teeth, face masks, based on your needs.

- Can be installed on all dental simulators.

- The head is removable and allows a **precise head positioning**.

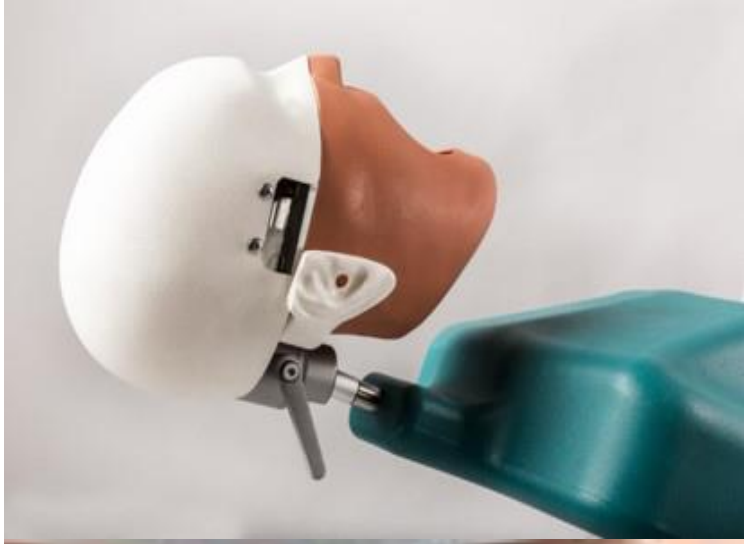
- **Returning spring** to close the mandibles.

- The unit supports **wet/dry procedures**.

- **Drainage tubing** to collect the water.

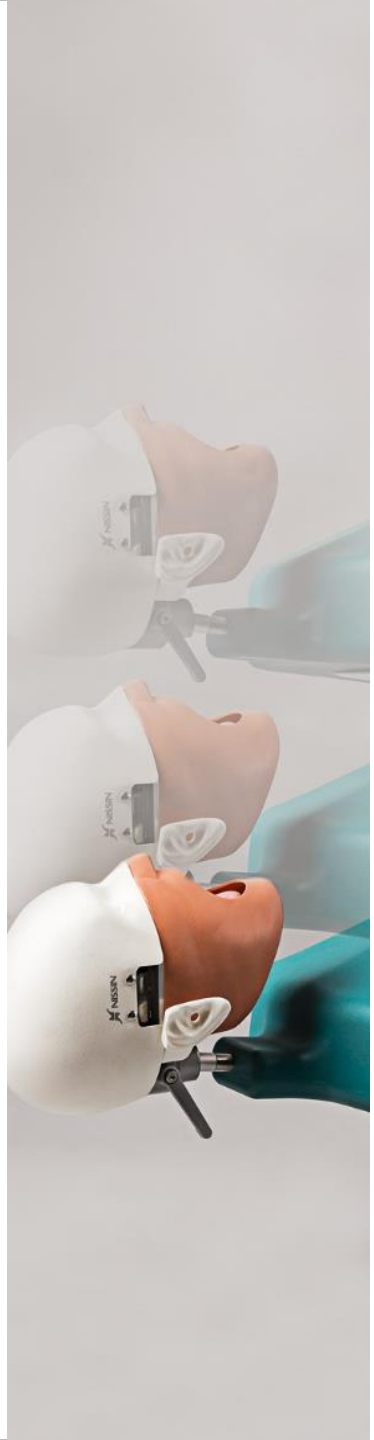
- The head can be **rotated** horizontally at 45° both sides, 45° downward with 10° vertically and 75° rotating both sides.

- The oral cavity mask can be **fitted easily** and it's made of **durable materials**.









Easy to store

Small is more!
Imparo, thanks to it **compact dimensions**, can be **easily moved** and stored under working tables. These fetures allows you to install simulator units also in **small classrooms**.

Easy maintenance

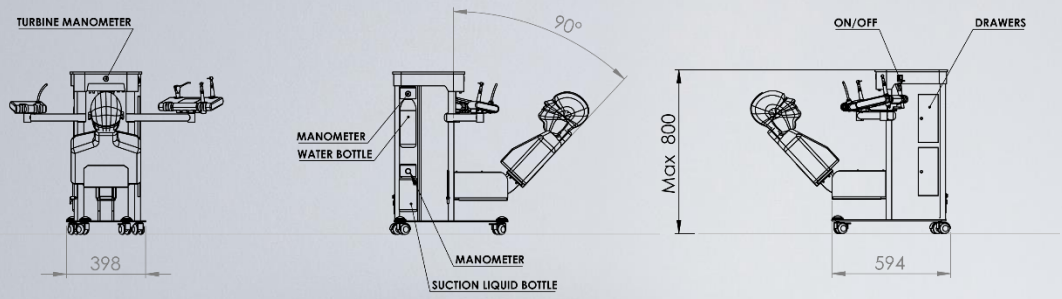
Imparo is a **worthy investment**, thanks to its stable and durable structure, its accurate assembilng and its **top-quality materials**.
Imparo needs **very little maintenance**.
Imparo ordinary maintenance is easy and quick because the technician has an **immediate access to the inside main components**.



Standard and Safety

The Imparo simulator unit is conform to :

- 2006/42/EC "Machinery Directive"
- 2006/108/EC "EC Low Voltage Directive"
- EN 61010-1 Safety requirements for electrical equipment for measurement, control and laboratory use. General requirements.
- EN 61326-1 Electrical equipment for measurements, control and laboratory use - EMC requirements - Part 1: General requirements



Power Requirement

Power supply: 240 Vac 50/60 Hz

Maximum power consumption: 50 VA



Connected loads

Minimun air pressure:	5/7bar
Minimum water pressure:	2/3 bar
Max. water consumption:	0.1 l/min
Max. air consumption with internal suction:	150l/min
Max. air consumption with external suction:	60l/min



G.COMM