simple&smart
RADIO
LOGY

s&s

Innovative tools for diagnostic imaging
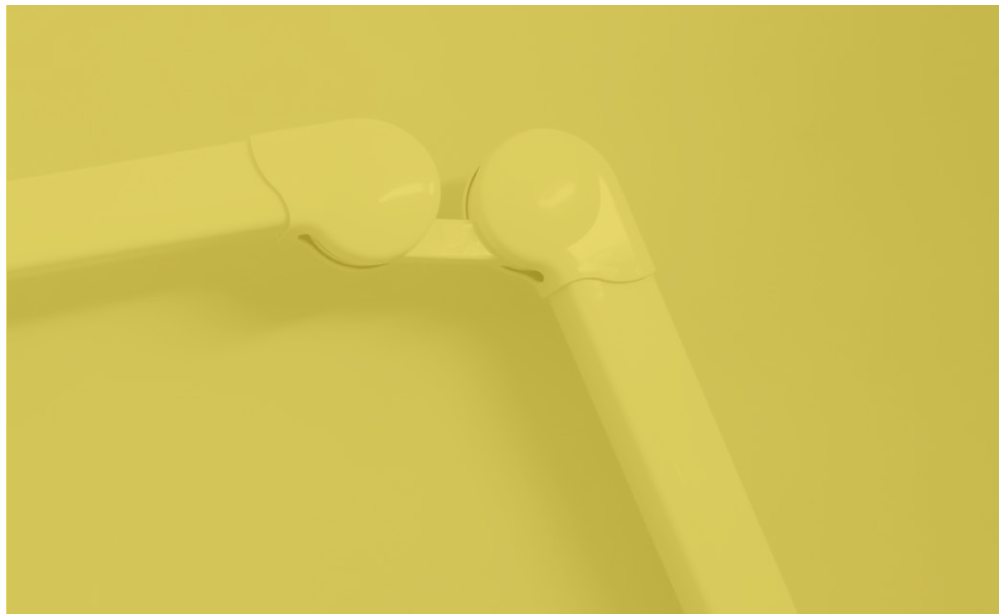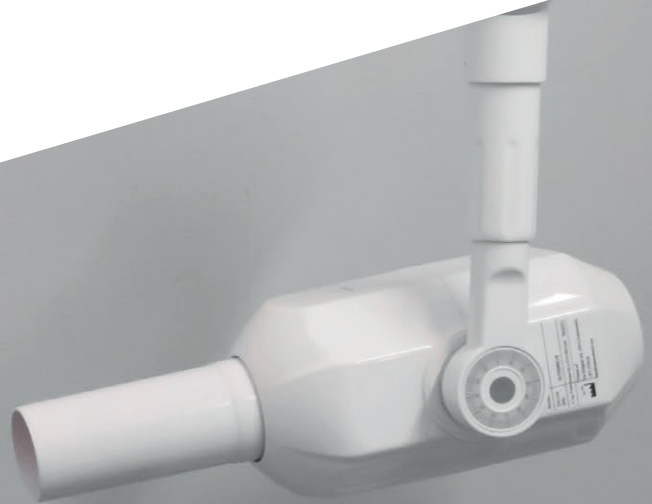
🇬🇧 We market our products ALL OVER THE WORLD guaranteeing professionalism, competence and technical assistance in a very short time. In the past few years we have developed, through the partnership with an important company specialized in this field, **a line of products dedicated to radiology**, guaranteeing our customers an ever wider range of simple and reliable products.

🇮🇹 Commercializziamo IN TUTTO IL MONDO i nostri prodotti garantendo professionalità, competenza ed assistenza tecnica in tempi brevissimi. Negli ultimi anni abbiamo sviluppato, attraverso la partnership con una importante ditta specializzata nel settore, **una linea di prodotti dedicati alla radiologia**, garantendo ai nostri clienti una gamma, sempre più ampia, di prodotti semplici ed affidabili.

🇪🇸 Nous commercialisons nos produits PARTOUT DANS LE MONDE en garantissant professionnalisme, compétence et assistance technique dans un délai très court Ces dernières années, nous avons développé, en partenariat avec une société spécialisée dans le secteur, **une gamme de produits dédiés à la radiologie**, garantissant à nos clients une gamme toujours plus étendue de produits simples et fiables.

🇫🇷 Comercializamos nuestros productos EN TODO EL MUNDO, garantizando profesionalidad, competencia y asistencia técnica muy rápida. En los últimos años, hemos desarrollado, a través de la asociación con una empresa especializada en el sector, **una línea de productos dedicada a la radiología**, que garantiza a nuestros clientes una gama cada vez más amplia de productos simples y confiables.

2

INTRA
ORAL
CAMERA

ITRA ORAL CAMERA

DRCAM 5
Full HD CAM

Get the best images with our **FULL HD** camera. Capture videos and store them. Turn the camera head angle to get the most comfortable working position. The next-generation camera for your practice.

SOFTWARE
The software is integrated. It allows the patient registration. You can record images and videos, store them in patient folder and modify them in case of need. You can print your images and videos in few seconds or share them on-line or with your management system.

MINIMUM SYSTEM REQUIREMENT
PC SYSTEM 3.3GHz CPU, 4GB RAM
OS windows 7
USB PORT USB 2.0

FEATURES

AUTO FOCUS
Can get clear images with auto focus function into the oral cavity

FHD IMAGE
Can get high definition images without distortion

BUILD-IN MOUSE
Useable as a mouse

ADJUSTABLE LED BRIGHTNESS
To avoid image quality loss by light reflection, can adjust LED brightness

COLOR IMPRESSION
Adjusts the color impression on camera to fit different monitors or screen

280° TWIST HEAD
Easy to get approach anywhere into the oral cavity

BLACK AND WHITE FUNCTION
Can take and send analog X-ray film image to PC

PLUG & PLAY
No need additional driver to be installed on the device

EASY TO CAPTURE
Easy to capture the image by using the camera only, without extra devices like foot pedal, etc..

SOFTWARE COMPATIBILITY
The camera can be used with most of the dental imaging software. It will need twain driver for some of dental imaging software.
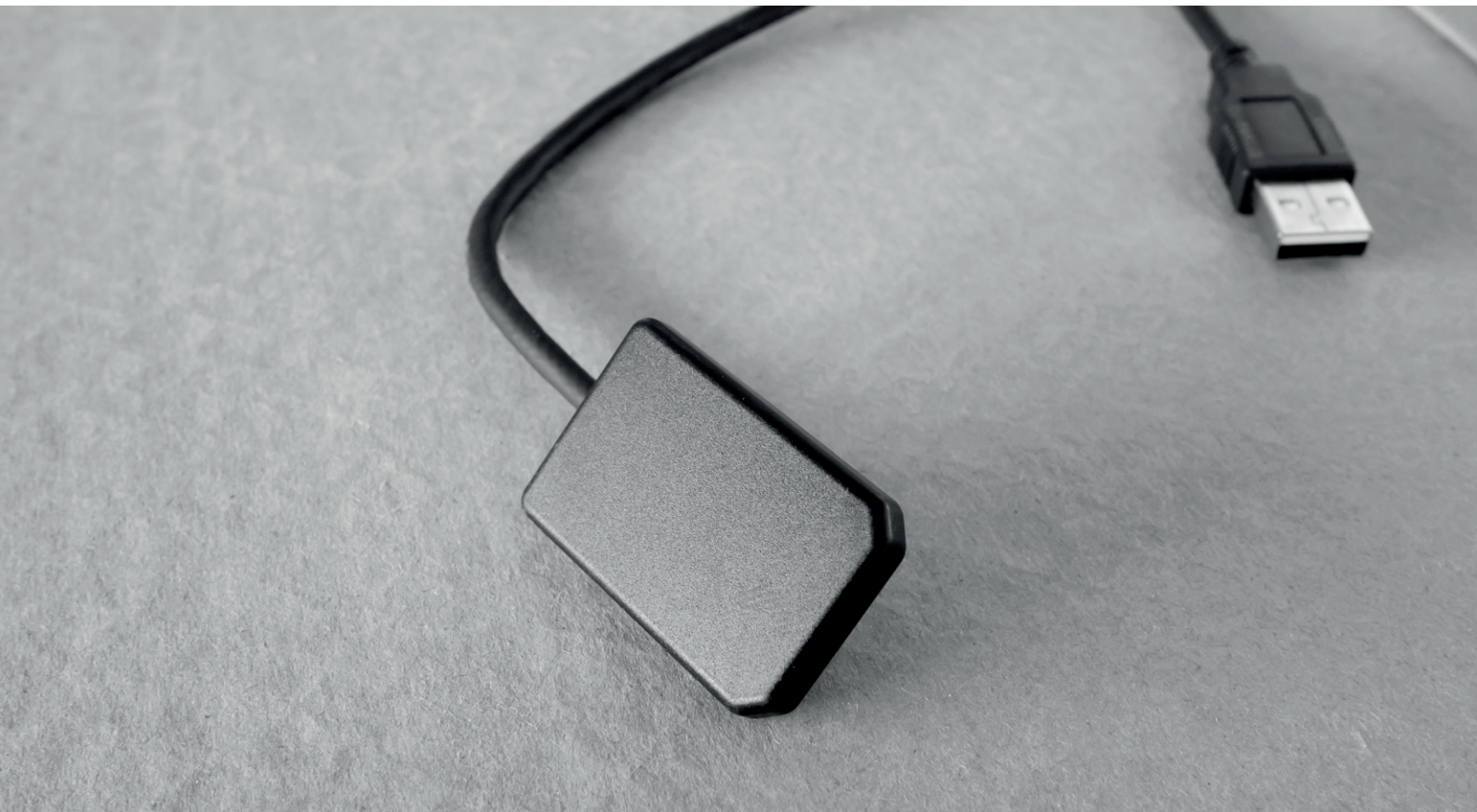
3

RVG SYSTEM

RVG SYSTEM

RVG SENSORS
High quality images

Practical and productive IMAGEN SENSOR becomes operative immediately.
The sensor captures HIGH-QUALITY IMAGES in real time, making X-ray film a thing of the past. You can get instant images, without the use of film or chemicals. It saves time, thanks to the high-speed data transmission and its extremely easy connection. The RVG sensor makes dental records easier to manage and prolongs their useful life. The sensor transmits the acquired image to the computer, instantly displaying it on the screen without additional processing. Subsequently, the specific software facilitates the identification of the images and allows to improve their analysis.

High-definition digital images. Easy to install, handle and transport.
The efficacy of a diagnostic tool able to identify a patient's condition or diseases he/she may have depends both on the experience of medical professionals and on the working tools used to support their knowledge. Our intraoral sensors produce perfect, top-quality images with excellent resolution (20 lp/mm).
This exclusive intraoral sensors with TECHNOLOGY CMOS are designed to help you simplify your work. High resolution images with the least exposure to radiation. Save both space and time using IMAGEN RVG SENSOR for image acquisition.
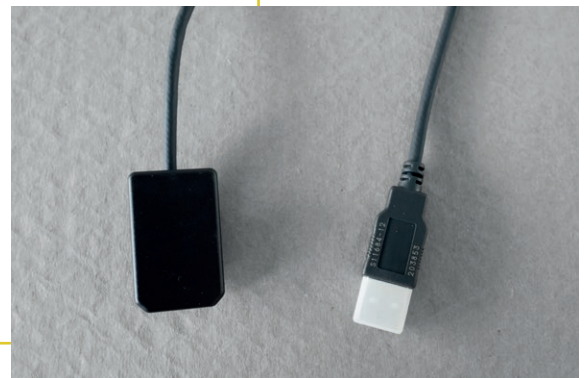
RVG SYSTEM

RVG SENSORS

High quality images

Size 1

Ideal for standard examinations, with a sensitive (active) area of **30 x 20** mm.

Size 2

With a sensitive area of **36 x 26** mm, this size is ideal for tasks that require a larger active surface.

TECHNICAL DATA

- ACTIVE AREA	30 x 20 mm (size 1)
	33 x 25 mm (size 2)
- PIXEL SIZE	20 x 20 µm
- NUMBER OF PIXEL	1500 x 1000 (size 1)
	1650 x 1250 (size 2)
- DISTANCE BETWEEN PIXELS	20 µm
- SPATIAL RESOLUTION	20 lp/mm typ
- DYNAMIC RANGE	58 dB
- SCINTILLATOR TYPE	Csl
- CONNECTION TO PC	USB 2 (A type) cable 2 mt
- SUPPLY VOLTAGE	5 A DC from USB
- MAX ABSORBED CURRENT	275 mA
- FRAME RAT	0.7 fps
- DARK CURRENT TYPICAL 23˚C	350LSB/s
- SATURATION DOSE (@70 Kv)	340 µm
- SENSITIVITY	15 LSM/µGy
- XRAY RESPONSE	30%
- NON UNIFORMITY XRNU	
- DEGREE OF PROTECTION	Equivalent to IP67
- OPERATING TEMPERATURE	0 to 35˚Cw

SOFTWARE Archimed®

Achimed® is a dynamic, intuitive software that guides the user through its practical content by rapidly highlighting its essential functions. Archimed® can be used by several medical professionals at the same time, because the networking system has a capacity of to 10 USERS AT ANY GIVEN TIME. Minimum requirements:

HARDWARE

CPU Intel i5-2520 2.5 GHz or superior 4GB RAM, Windows® 7 (32/64 bit) SP1, Windows® 8 (64 bit), Windows® 10, HDD 500 GB, USB 2.0 A type, Graphics 1024x768 ris. 65000 color min.

RADI OGRA PHY

4

RADIOGRAPHY

X-RAY RX70 AC
Low Frequency

RX70 AC means QUALITY, RELIABILITY and SAFETY, To guarantee the maximum security level to your patients, the device is equipped with: An aluminum filter which improves the beam quality and **reduces the radiation** received by the patient; an anatomic selector and digital display of exposure time. An alarm triggered by any incorrect operation. Available in **wall mounted** version or **mobile on cart**.

FEATURES

- Hand-switch provided with 3 m coiled cord
- Automatic correction for mains fluctuations selectable on request
- Back-up timer
- Timer and hand-switch can be remotely mounted
- Compact head design
- Automatic setting of exposure time
- Flexible and stable arm avalable in 60 and 80 cm lenght
- Friendly control panel, LED buttons with easy graphics
- Manual setting of exposure time from 60 to 2.0 sec.
- Child or adult patient selection
- "Low dose" setting for digital receptors
- Dimension: 22 cm width, 33 cm height, 13 cm depth

TECHNICAL DATA

- Voltage	115/230 V AC ±10%
- Frequency	50/60 Hz
- Electric current	4/8 A
- Max Power Consump.	920 VA Fuse. T 6.3/T 10A
- Focal Spot	0.8 mm
- Anodic Electric Current	7 mA ±15%v
- Selectable volt. to tube	70KV ± 10%
- Duty Cycle	1/60
- Total Filtration	> 2.1 mm Al
- Focus Skin Distance	22 cm (8 5/8 inch)
- Round collimator	Output Radiation Field 6 cm (2 3/8 inch)
- Weight	7.5 Kg

RADI OGRA PHY

X-RAY RX70 DC

High Frequency

RX70 DC means amazing results with all the advantages of the more advanced electronic technology: rather than using alternating current, **RX 70 DC applies a nearly constant potential to the tube.** This constant potential supplies the tube with DC current, resulting in a constant stream of consistent radiation that maintains the preset kV values even with mains fluctuations.

Select the exposure parameters according to the patient morphology, tooth type and image receptor. ADAPT THE RADIATION DOSE to lower or higher values. Modify the exposure time for digital or film.

Compatible with any image receptor, intraoral sensor, traditional film or phosphor plates. Its lexible and stable arm is avalable in 60 and 80 cm lenght.

A brand new system designed to make even easier the installation of your DC intraoral X-Ray unit. The new mounting system reduces time and effort, a single technician can easily install the X-Ray unit, The special connection feature allows to easily plug the four main parts which compose the X-ray unit: Timer, extension arm, scissor arm and generator.

FEATURES

- Automatic Voltage Transformer RiX-70 DC appropriately works in a range from 100 to 240 V.
- DC Generator allows radiation stability eliminating rays that does not produce images but can be harmful for the patient.
- 0.4 mm Focal Spot
- Tube Voltage Selector
- RiX-70 DC operates either 60, 65 or 70 kV.
- Automatic setting of exposure time from 001 to 2.0 s.
- Optional remote timer

TECHNICAL DATA

- Voltage	100/240 V AC ±10%
- Frequency	50/60 Hz
- Electric current	4/8 A
- Max power consumption	920 VA Fuse - T 6.3 / T 10 A
- Focal spot	0.4 mm
- Anodic electric current	7 mA ±15%v
- Selectable 60, voltage to tube	65 or 70KV ± 10%
- Duty Cycle	1/60
- Total Filtration	> 2.1 mm Al
- Focus skin distance	22 cm (8 5/8 inch)
- Round collimator	Output radiation field 6 cm (2 3/8 inch)
- Weight	7.5 Kg

5 PHOS PHOR SCANNER

PHOS PHOR SCANNER

PLATE SCANNER

For Intraoral Phosphor Plates

The easier way to clear and lasting images. Make the **move to digital imaging** with the most advanced and flexible solution that combines all the advantages of the latest generation technologies for an outstanding diagnostic quality.

The scanner was designed for maximum simplicity: NO BUTTONS, just connect the device directly to your computer via USB connection and start to scan. Once the plate is inserted into the slot, It automatically recognizes the plate's size and star-

ts to work. Viewer delivers highly precise digital images to any PC in less than 10 seconds.

The software allows DICOM network compatibility. Archimed is easy to integrate and the process of making-analyze images is quick and simple. With user-friendly interface and functional image processing tools, and s real resolution of 14.3 lp/mm. **Archimed makes the whole procedure even more dynamic and faster than ever.**

PHOS PHOR SCANNER

PLATE SCANNER

For Intraoral Phosphor Plates

With a **100% ACTIVE SURFACE**, rounded corners and cable-free, S&S phosphor plates are created to grant the comfort of your staff and patient. Plates come with the exclusive **double guard system**: the sleeves offer an effective barrier against cross infection and the protective cover, an extra protection that helps to extend the plates life. S&S phosphor plates can be reused hundreds of times and are as easy to use as film.

Available in FOUR SIZES, ideal for all clinical uses:

Size 0 31 x 22 mm, 726 x 1024 pixel
Size 1 40 x 24 mm, 792 x 1321 pixel
Size 2 41 x 31 mm, 1024 x 1354 pixel
Size 3 54 x 27 mm, 891 x 1783 pixel

TECHNICAL DATA

- Plate sizes	0,1,2,3
- Plate size identification	Automatic
- Reading time	Less than 10 Sec.
- Resolution	14,3 lpm
- PC connection	USB2
- Weight	7 Kg
- Power supply	100/240 V, 50/60 Hz, 24 W
- Measures	170 x 190 x h300 mm
- Sensitivity settings	Automatic, on the required dose level
- Software	ARCHIMED

MINIMUM SYSTEM REQUIREMENT

- Processor	Intel 32/64 bits dual core
- Memory	At least 2 GB
- Screen size	17"/19" HD
- Matrix Display	1280 x 1024
- Video memory card	128 MB

6

COMPANY

COMPANY

AT YOUR SERVICE

PRODUCTION

The production process is the heart of our company, and for this reason we follow every stage with particular care, starting from the choice of materials, paints and components, to assembly and final control. Each unit, in fact, is subjected to a careful double check, carried out by our specialized technicians, during assembly phase and before shipment.
Our **ISO 9001 and ISO 13485 standards** testify that these processes are actually carried out and respected.

STOCK

We want to be extremely **fast in deliveries,** so we always have in stock several units, in large part already assembled and ready to be configured according to our Customers needs. All the necessary parts and all the options are **available in stock** and we can complete the assembly of the unit and arrange the delivery in a few days.

SHIPMENT

The shipment can be arranged according to each customer's needs. We usually ship the unit in a **single wooden case**, but, if required, we can ship the unit in two separated boxes, in order to make the delivery to the clinics easier. The **two separated wooden cases** are smaller in size and less heavy, so the dowload from the truck is easy even without a lifter and the reduced dimensions allow an easy storage while waiting for the installation.

ASSISTANCE

Always at your side

WARRANTY EXTENSION

The standard warranty on our dental units covers a period of **1 year** but, if you want, you can extend the warranty **up to 5 years.**

WATCH OUR VIDEOS

On our **website** and on our **YouTube** page you can find many videos of the unit, on its configuration, on the options available, tutorial videos for the installation, maintenance, sanitization, etc., in order to set up and take care of your chair in the best way possible.

www.simplesmart.it

We created this website to support our dealers and customers in the best way possible. You can have a complete overview on our company and our products, you can even configure your customized unit. Using our **configurator** you can receive a personalized quotation without any purchase obligation.

With Simple&Smart you can always find the best and simplest solution for your needs.

Follow our social media pages to discover more and to be updated on our news, products and events.

LIVE ASSISTANCE

Skye: **simple.smart.ita**
or **simple.smart.assistance**

We are **always at your disposal**. You just have to contact our live assistance department on Skype or Whatsapp. Our technical staff will assist your technicians to solve your problem in few minutes.

REPORTS ON FILES

Complete **PDF reports** are available to be sent by email. Detailed information for **problem solving** are explained in a specific manner on the bases of the problem you have indicated.
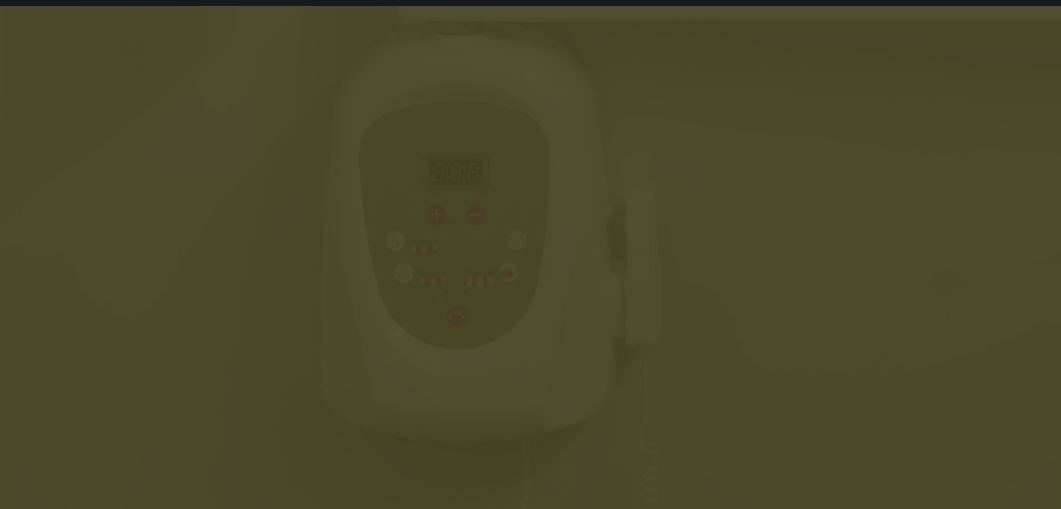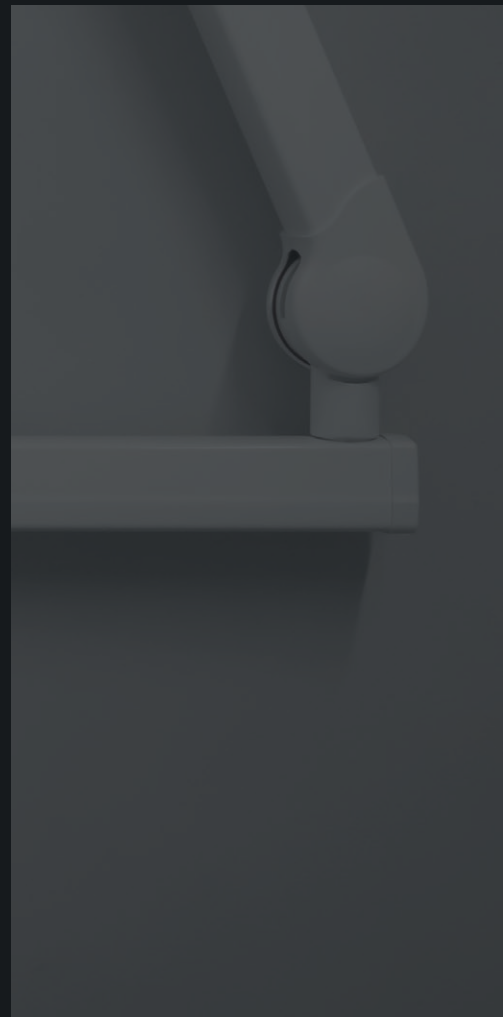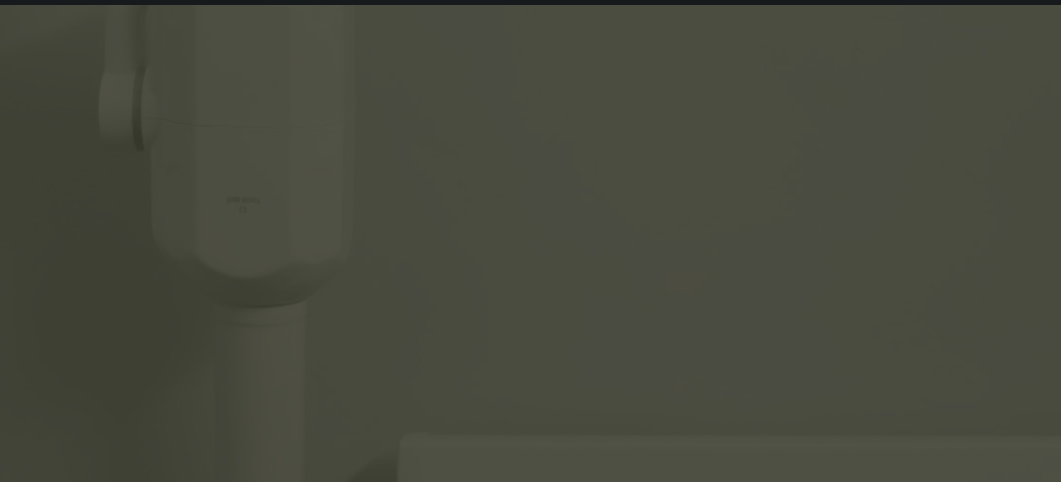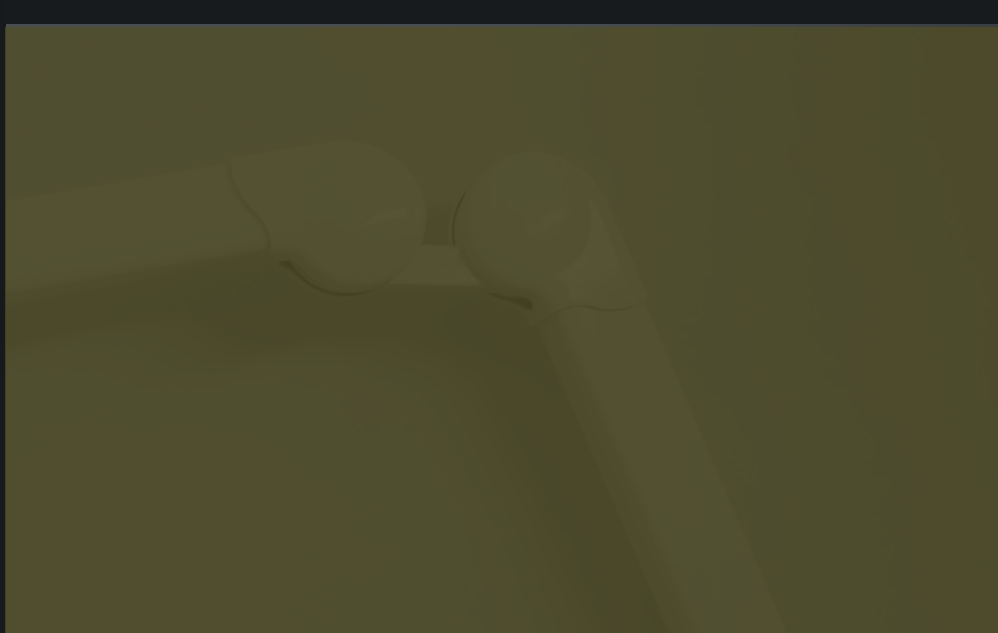
ISO & CE CERTIFICATES

Our dental units are Class IIa medical devices. The **EC Certificate** and **ISO 13485 Certificate** ensure that our products and procedures are compliant to the regulations in force and to the severe ISO standards. **These certifications guarantee the quality of our products and services.**

CERTIFIED TECHNICIANS

To ensure a perfect installation and a proper after sales assistance service, Simple&Smart certifies all the distributors' technicians, after attending a **specific training**, An Enabling Certificate is issued to the technician. All this, in order **to provide a safe and reliable product to the customers and a professional and precise technical support.**