

# PRODUCT CATALOGUE

trident



20  
18

# I-View CMOS Intraoral Sensor

Enjoy the best of CMOS technology using I-View, the intraoral sensor tried and tested for a safe continuous use.

## Key Features

Easy image management

Rounded edges

Smooth, even surface

Water-resistant



Available in two sizes

**Size 1 : 30 x 20 mm active area**

**Size 2 : 33 x 25 mm active area**

CsI scintillator

Deep View® software included

Twain options

Networking Capability

Replaceable cable

USB 2 connection (A type) 2-mt cable

**Active area** 30 x 20 mm (size 1)

33 x 25 mm (size2)

**Pixel size** 20 x 20 µm

**Number of** 1500 x 1000 (size1)

**Pixels** 1650 x 1250 (size2)

# READER

## Phosphor Plate Scanner

Reader was designed for maximum simplicity: it does not have any buttons. Just connect it directly to your computer via USB cable and start to work.

### Key Features

Lightweight and compact

DICOM network compatibility

Deep View® software included

Automatic plate size recognition

Inner power supply adaptor to operate from 100 to 240 V

### Reader in numbers

**14, 3 lpm** real resolution images

**20 seconds** needed for sending the image to the computer and cleaning the plate for a new use

**170 x 190 x h 300 mm** Reader measures

**7 Kg** weight

**0, 1, 2 and 3** plates size available



# RiX 70 AC Intraoral X-Ray Unit

RiX-70, the traditional AC X-Ray generator with compact design and optimal image quality to assure many years of reliable operation.

## Key Features

0.7 focal spot

Low dose setting for digital receptors

Back up timer

High heat capacity generated by 70 kVp and 7 mA

Wide range of exposure times from 60 ms to 2,0 s

Two lengths extendable arm  
60 and 80 cm

Available in wall mounted and mobile version.

Safe and easy installation.

Automatic/Manual exposure values adjustment.

Hand switch with 3 m coiled cord.

Solid arm to reduce any risk of tube head vibration during the image acquisition.

Friendly control panel with LED buttons and intuitive graphics for a faster operation.



## Perfect results with any image receptor

RiX 70 AC perfectly matches with I-View intraoral CMOS sensor and Reader, Trident's phosphor-plate scanner.

# RiX 70 DC Intraoral X-Ray Unit

Trident presents the most advanced high frequency dental X-Ray unit for perfect images.

## **DC technology for less radiation dosage, compatible with any image receptor**

RiX 70 DC perfectly matches with I-View intraoral CMOS sensor and Reader phosphor-plate scanner.

## **Compact design**

Handswitch provided with 3 meter coiled cord.

Clear and intuitive remote control.

Optional 35 x 43 mm rectangular collimator. 60 and 80 cm arm's length for wall mounted version.

## Key Features

0,4 mm focal spot

DC generator

Operates either 60, 65 or 70 kV

Automatic setting exposure time from 0.01 to 2.0 s

Additional button pad for a fast selection of exposure parameters.  
Solid arm to reduce any risk of tube head vibration during the image acquisition.  
More compact and lightweight tube head.

Easy-to-read main control panel with quickly identifiable icons.  
Available in wall mounted and mobile version.

# X-VIEW

## 3D PAN CEPH



### Key Features

DC generator with 0.5 mm focal spot

Pulsed generator for radiation dose reduction

7-inch touchscreen

Easy Patient Positioning

Multiuser Deep-View® Software for reconstruction and management images

X-View is the most advanced CBCT unit for the acquisition and management of 3D/2D/CEPH digital images, designed and produced in Italy by trident.

Four options available: 2D PAN / 2D PAN CEPH / 3D PAN / 3D PAN CEPH

### 2D PAN

Sharp high-quality 2D images, with exposure time of 14.3s for children and 15s for adult.  
0.5 mm focal spot.

### 3D PAN

High frequency pulsed generator to acquire images in just 15 seconds. Dedicated software to reconstruct high-quality volumetric images in less than 10 seconds.  
13 x 30 cm 2D PAN images, using the same sensor as for 3D images.  
8.5 x 8.5 cm volume images in just 10 seconds

### CEPH

This model is equipped with an arm for cephalometric and the CR 2430 sensor, a flat panel phosphor plate with image reader incorporated that allows to obtain 24 x 30 cm high-definition images in less than 2 seconds, using the exclusive single-shot technology.



<p><b>2D PAN</b></p> <p>Sensor TDI CCD 151 x 6, 9 mm active area 15 x 30 cm HD images</p>	<p><b>3D PAN</b></p> <p>CMOS Flat panel sensor 13 x 13 cm active area Real FOV 8, 5 x 8, 5 cm (not stitching) New geometrical calibration New post-process for 2D PAN Images obtained with the 3D sensor</p>	<p><b>CEPH</b></p> <p>Flat panel phosphor plate Single shot 24 x 30 cm HD images</p>

# XELIX

## New Dedicated Navigation Software

Exclusive dental implant planning software, available in two versions.



### Xelix Dental Advanced Implant

DBM Xelix Dental Database  
Basic 3D Toolbar- including  
Measurement Tools, MPR, Cross  
Section  
Advanced Toolbar - Canal Draw /  
Implant Simulation / Utilities  
STL export – Save surface  
CD/DVD/USB export - Image export  
to external storage  
Batch Print - One click Image Batch  
Print (Axial, Panoramic, Cross Section)  
DLB - Dynamic Lightbox  
Image stitching  
Report - Captured Image  
Management and Report  
Generation  
DICOM Print and CD burning  
Multi User - Up to 10 users



### Xelix Dental Basic Implant

DBM Xelix Dental Database  
Basic 3D Toolbar - including  
Measurement Tools, MPR, Cross Section  
Advanced Toolbar - Canal Draw /  
Implant Simulation / Utilities  
Multi User - Up to 10 users



# SOLE

## Class B 17 & 22 L autoclave

Because sterilization is not an option, Trident presents Sole, the class B autoclave with special features to guarantee a deeper sterilization.



### Key Features

Automatic opening door system

12 sterilization cycles

Stainless steel chamber

Instant steam generator for faster cycles

Perfect dry saturated steam by 98% of air extraction

Messages available in multiple languages

Automatic water quality testing.

Automatic recognition of ambient pressure.

The fast cycle appropriately sterilizes solid instruments and materials in just 28 minutes.

USB connection to extract and store the sterilization cycles in a .txt file

Frontal ON/OFF switch.

Vacuum test, Helix test and B&D test available.

The tray holder can be rotated, and holds up to 5 trays or boxes for instruments.

Safety locking system: the door is automatically locked once the cycle starts.

Front loading/unloading water system.

Optional:  
Automatic water loading system  
Osmotic water purifier

# SOLE & DROP

Direct Reverse Osmosis Purifier, DROP is the most innovative, eco-friendly and economical system to produce demineralized water.

DROP operates with the inlet pressure of water.

DROP guarantees purified water with a conductivity level to produce a dry saturated steam of high purity suitable to protect the steam generator and hoses.

DROP produces around 500 liters of demineralized water every sterilization cycle uses 0,5 L of water, so each filter guarantees pure water for running around 1000 cycles during their using life.



# ACCESSORIES

Trident offers all the necessary complements to enhance the performance and get the best of your radiographic and sterilization devices.



## Phosphor plates, hygienic bags and covers

With a 100% active surface, rounded corners and cable-free usability, the Trident phosphor plates are created for the comfort of your staff and patients. The Trident phosphor plates are 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

The hygienic sleeves offer an effective barrier against cross infection; the protective cover helps to extend the plate's useful life.

## Sensor holder

Designed for an optimal sensor placement. The holder helps you to produce better & safer results in less time.

Ergonomically designed for greatest patient comfort.

Securely holds sensor in place.

Available in two sizes, size 1 and size 2, in bright and vivid colors for easy identification.

Just one ring, no changing between different rings for specific images.

Just by turning on the sensor holder, it is possible to use it in the upper and lower jaw.



## Bag sealer

Use pouches to sterilize your instruments and keep them safe and protected.

Trident bag sealer makes it possible to package instruments in pouches of any size with no plastic waste.

Packaging, sterilize and mark your pouches, three simple steps to keep clean and safe instruments for more time.

# trident

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# 20 18