



# CS 8100 Family

## Evo Edition

THE SIMPLICITY YOU NEED.  
THE IMAGING QUALITY YOU DEMAND.



**An ultra-compact panoramic unit designed to give you the image quality you need without any added complexity.**

# Compact Plug-and-Pan Imaging Strikes Again

## WHAT'S NEW

- Tomosharp technology
- Enhanced image processing
- CS Imaging version 8 software



# The Simplicity of Compact Panoramic Imaging

## SHARP IMAGES EVERY TIME

Our new Tomosharp technology delivers optimal image sharpness

## ULTRA-COMPACT DESIGN

Sleek, ultra-compact design that fits tight spaces

## OUTSTANDING VALUE AND SIMPLICITY

Provides you with exactly what you need and nothing you don't

## PLUG-AND-PAN SOLUTION

Easy to install, easy to use

## POWERED WITH CS IMAGING VERSION 8

Provides you with one-stop access to all your images and CAD/CAM data



# The Award-winning Panoramic Unit

OUR MOST AWARDED SYSTEM



Clinical Innovations India 2014



# CS 8100

## KEY FEATURES



**Crystal-clear panoramic images**



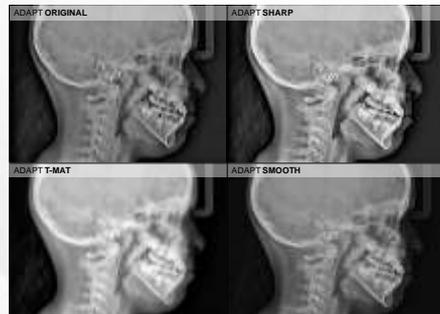
**Face-to-face positioning**



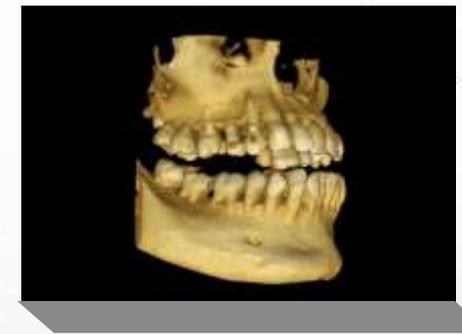
**Unrivalled ease of use**



**Ultra compact size**



**CS Adapt image processing**

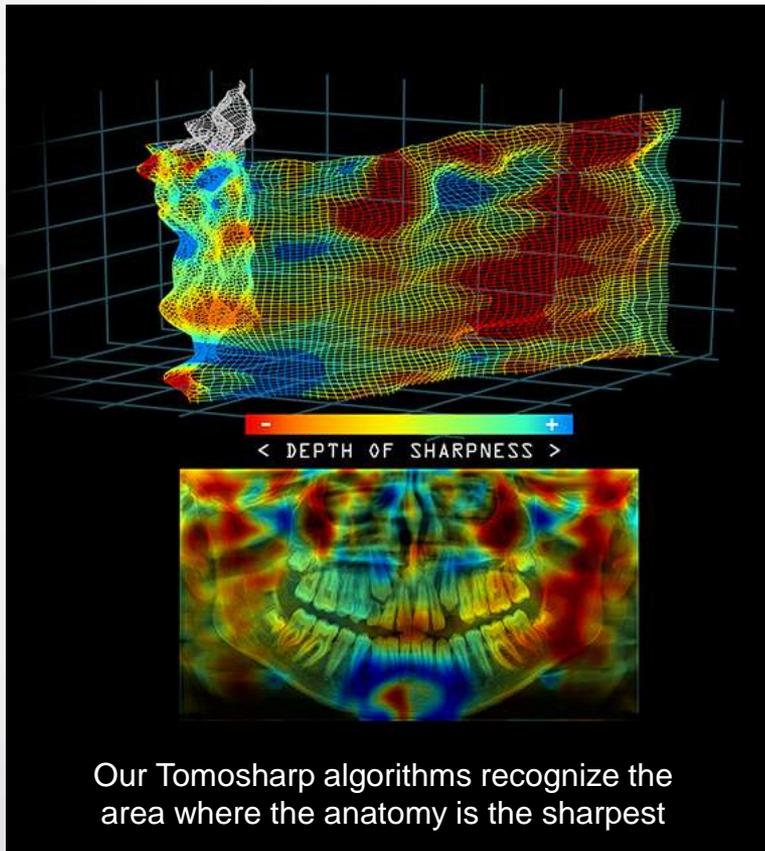


**Upgradeable to 3D**

# A New Level of Sharpness

# Perfect Image. Every Single Time.

## TOMOSHARP TECHNOLOGY



- Minor positioning errors can cause loss of image sharpness
- Our revolutionary technology captures sharp panoramic images, bypassing limits of traditional methods
- Generates sharp panoramic automatically **even when patient is not perfectly aligned**



The best possible image is reconstructed on a 2D plane

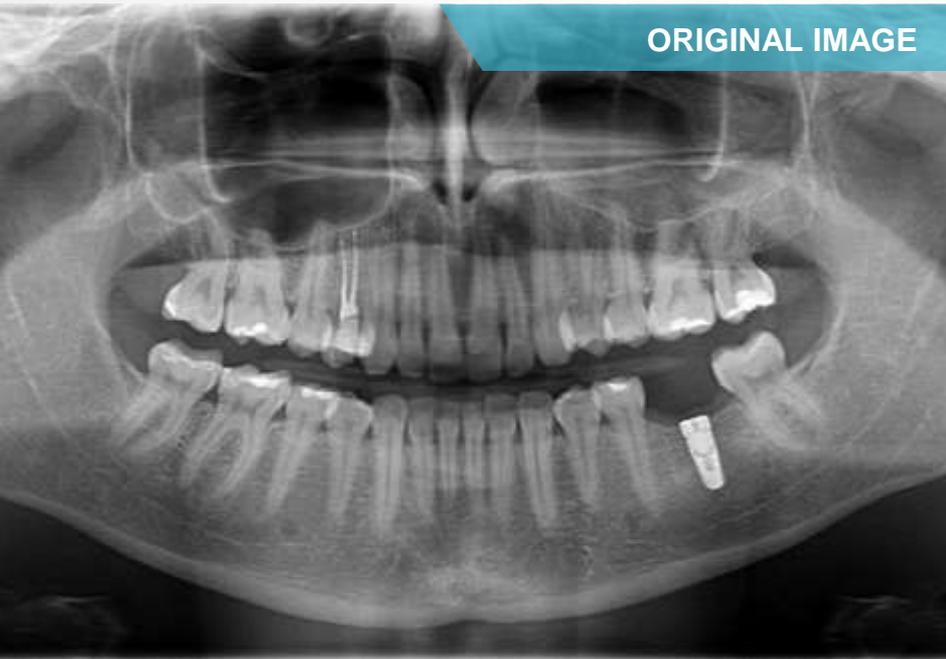
# Perfect Image. Every Single Time.

NEW TOMOSHARP TECHNOLOGY + NEW PROCESSING



# Perfect Image. Every Single Time.

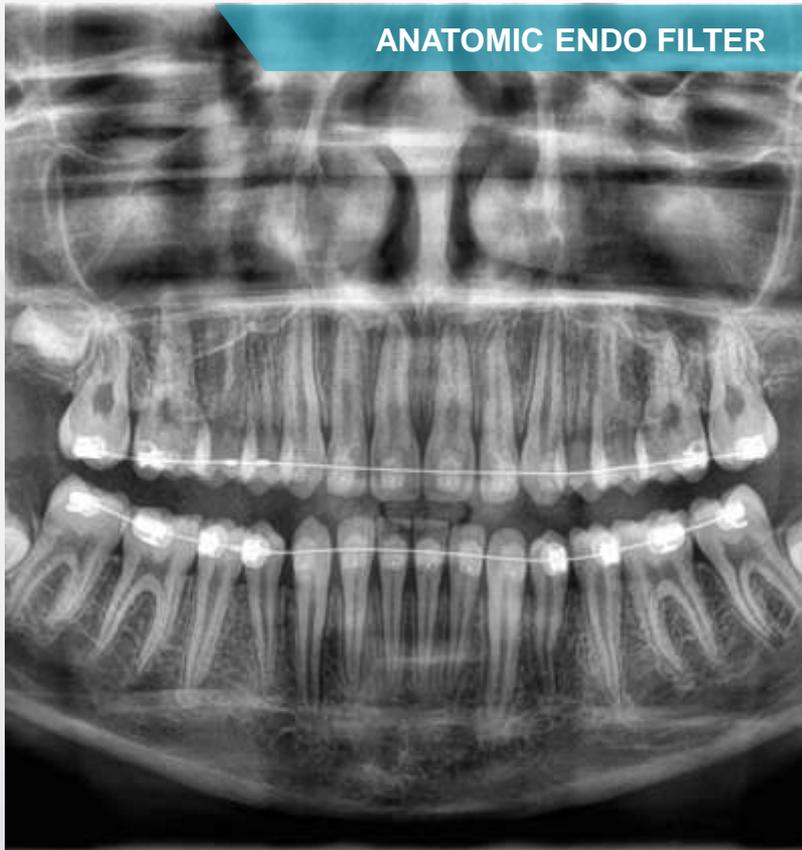
NEW TOMOSHARP TECHNOLOGY + NEW PROCESSING



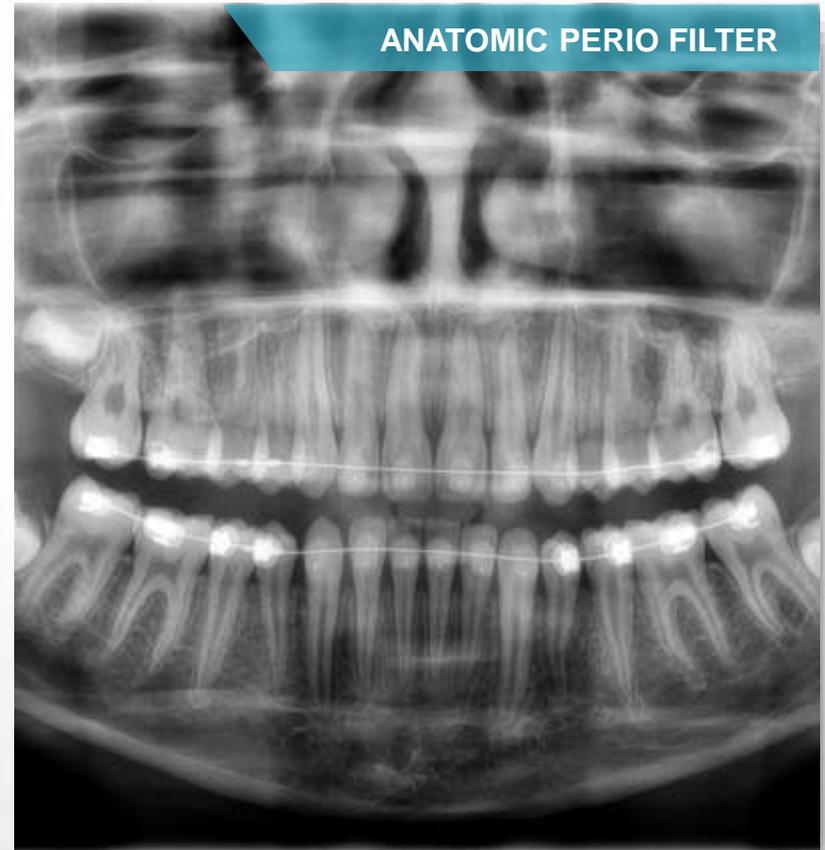
# Perfect Image. Every Single Time.

NEW CS ADAPT IMAGE PROCESSING

ANATOMIC ENDO FILTER



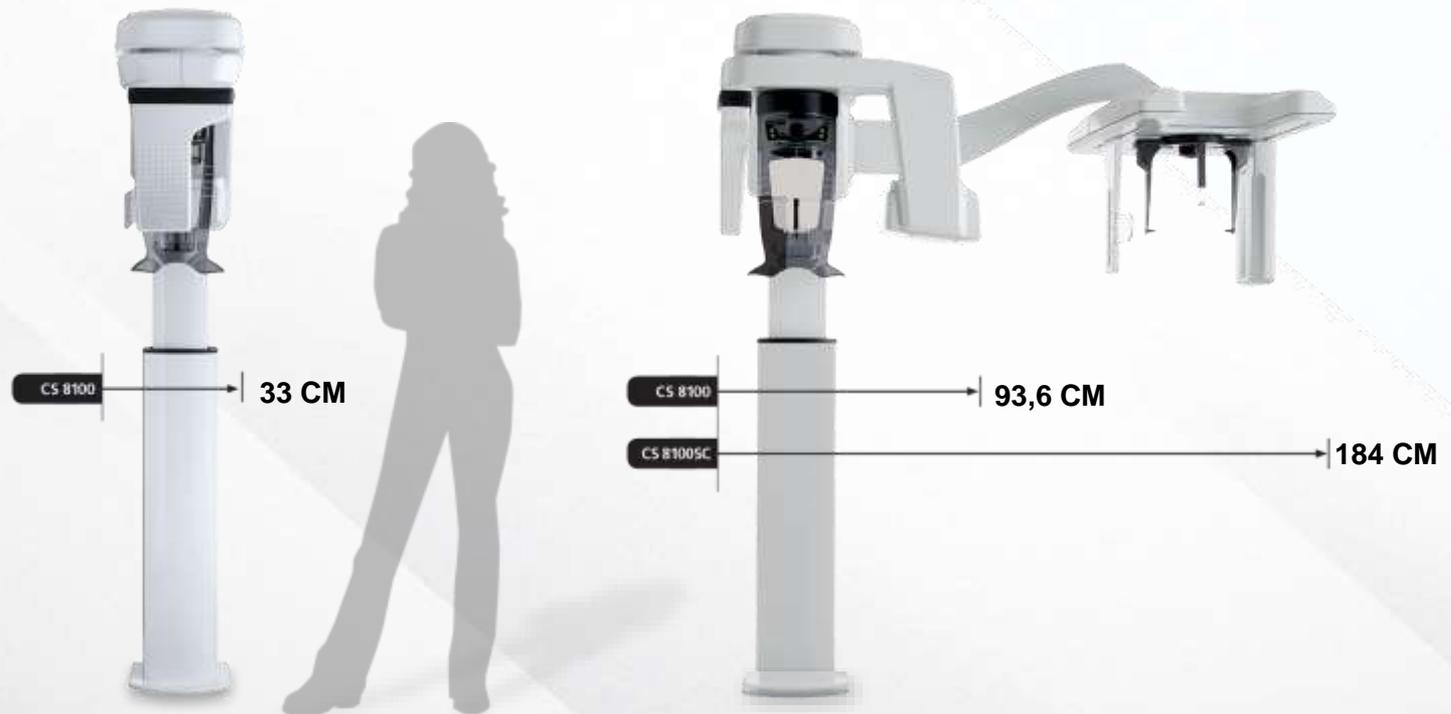
ANATOMIC PERIO FILTER



# Designed With Simplicity in Mind

# Fits into Any Practice

- One of the most compact panoramic and cephalometric unit
- Sleek, elegant and ultra-compact
- 33 cm width in resting position
- Offers versatile installation options



# Optimized Positioning

- Unique transparent patient support helps properly align patient head
- Open design reduces feeling of confinement
- Face-to-face positioning improves communication with patient
- 10-second scanning time minimizes risk of patient movement



Head tilt adjustment



Frankfort plane landmark



Integrated handgrips



# Adjustable for Patients of all Sizes

- Easily adjustable for all patients
- Standing or sitting patients
- Wheelchair accessible
- Motorized movements for effortless height adjustment



# Small, Yet Powerful

- High frequency X-ray generator for constant radiation and optimal contrast
- 0.5 focal spot for exceptional detail
- State-of-the-art CMOS sensor for sharp digital images
- Fast acquisition time minimizes risk of patient motion
- Algorithm minimizes spinal column shadow
- State-of-the-art image processing delivers impressive image clarity



# Quick and Easy Operations

FOUR SIMPLE STEPS FOR A REAL-TIME DIAGNOSIS



**1** Select preset program



**2** Position the patient—  
no need for laser beams



**3** Take the X-ray

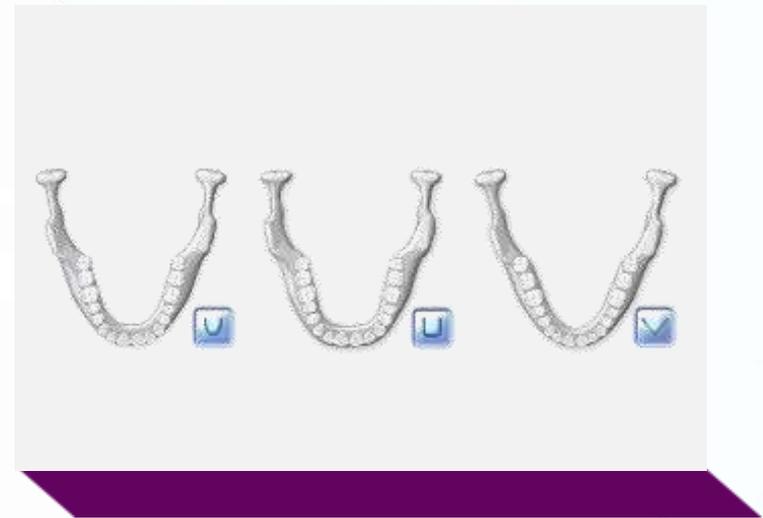


**4** Review the image

# Adapt to Every Morphology



A thicker focal trough eliminates the need for laser beam and makes it easier to place teeth in the sharpness area.

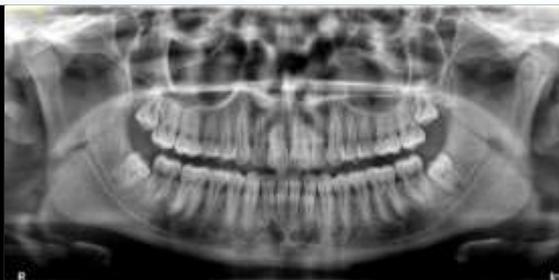


Anatomical settings including three jaw shapes that adapt to patient's morphology.

# Perfect for Everyday Needs

# Full Range of Programs

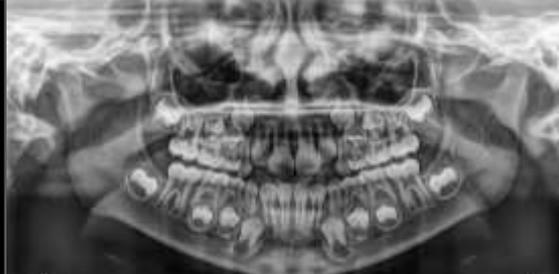
Standard panoramic



TMJ x4



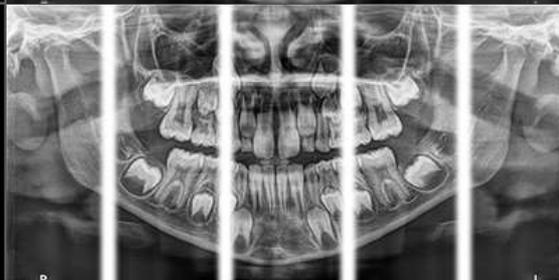
Pediatric program



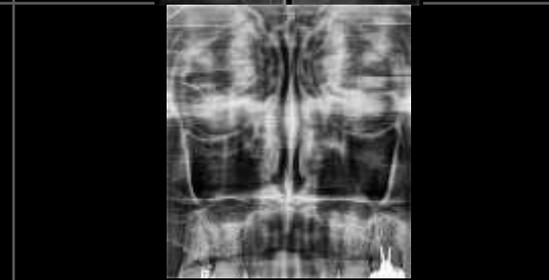
TMJ x2



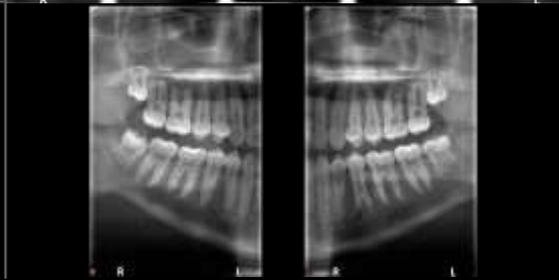
Segmented program  
Panoramic without TMJ



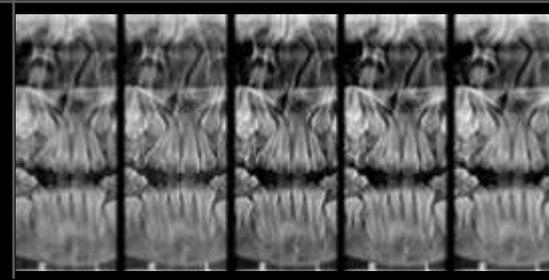
Maxillary sinus



Segmented bitewing

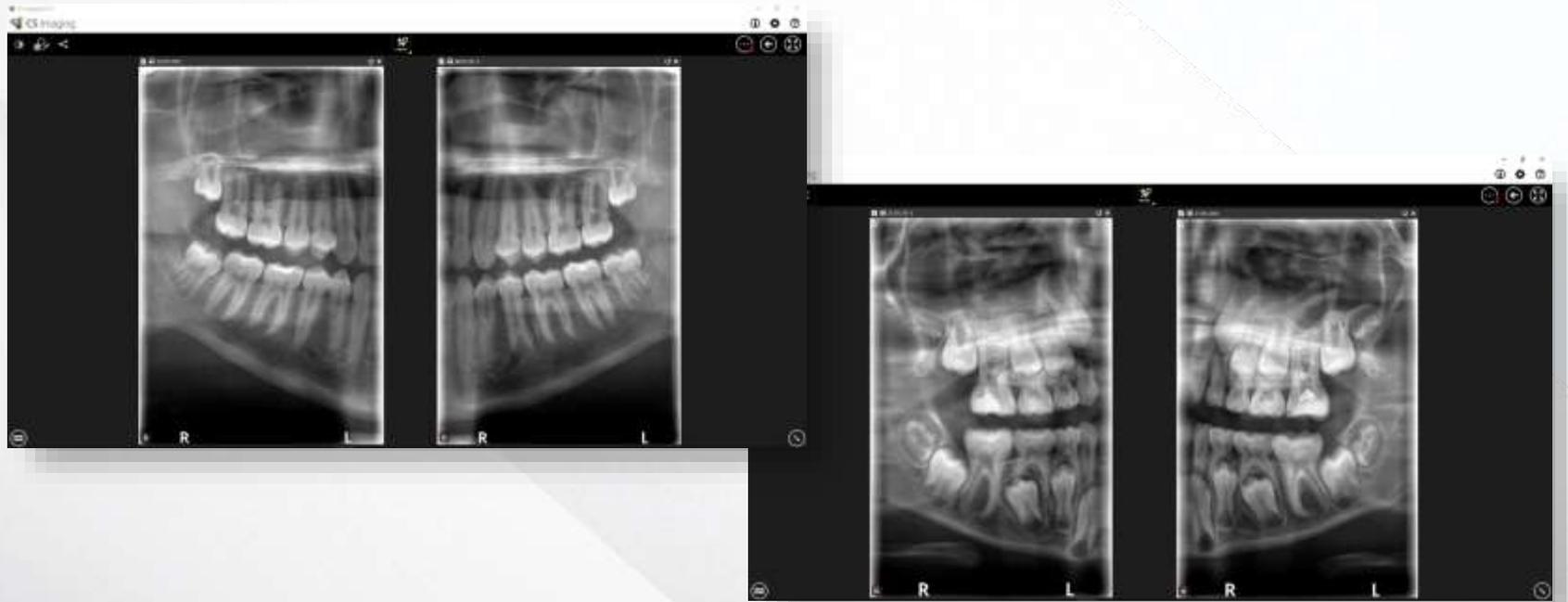


2D+ - Thin slicing



# Segmented Bitewing

- Captures bitewing images in the same way as for caries detection
- Acquires two segments of the arch in one exposure
- Uses a specific trajectory to reduce teeth overlap



# One Stop-access to All Your Images

## CS IMAGING VERSION 8 SOFTWARE



# Cephalometric Imaging

CS 8100SC

- Enhanced image processing
- Auto-tracing in 10 seconds



# CS 8100SC

## KEY FEATURES



Scanning in only 3 seconds



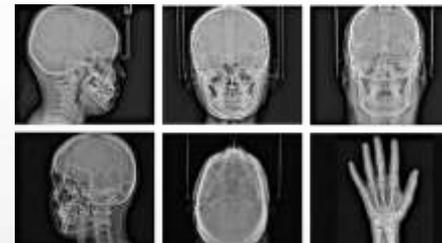
Automatic tracing\* in 10 seconds



Orthodontic pre-set filters



Wide range of fields of view



Full range of projections

\* Option

# Automatic Tracing

- True automatic tracing in just 10 seconds\*
- Automatically recognizes anatomical landmarks and traces structures
- Covers most common analysis needs (Ricketts, MacNamara, Steiner, Tweed...)
- Personalize tracing and create templates
- Print and export to other software



\* With 18 x 24 cm image

# Ultra-fast Scanning Time

- Scan an image in as little as 3 seconds\*
- Reduced risk of motion blur and patient dose
- Quick mode available on all fields of view

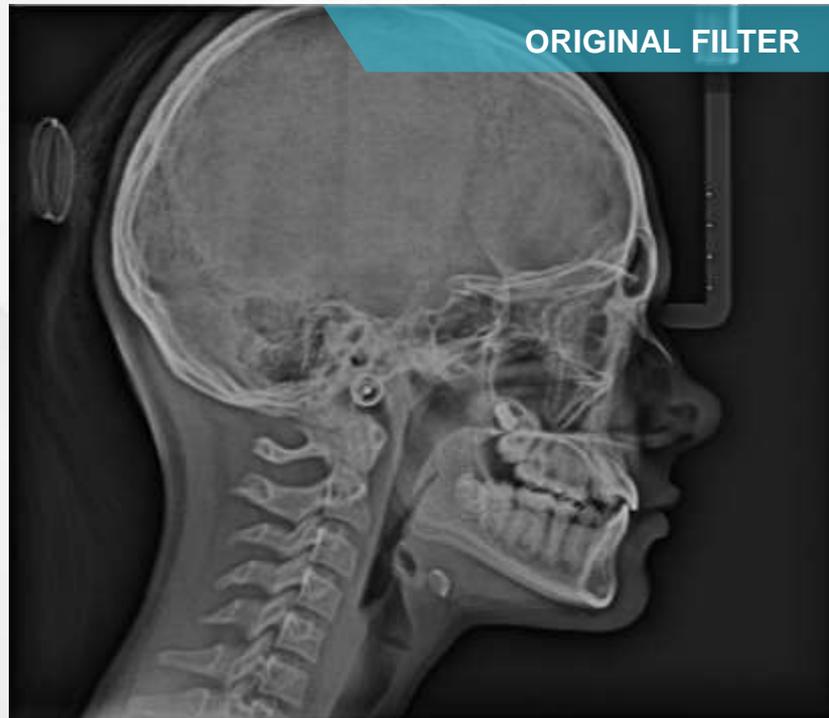


\*18 cm x 24 cm lateral image in fast scan mode

# Best-in-class Cephalometric Images



# New Image Processing



# Orthodontic Pre-set Filters

- Orthodontic filters meet your specific diagnostic needs
- Enhance visualization of bone, soft tissue and optimize contrast with just one click



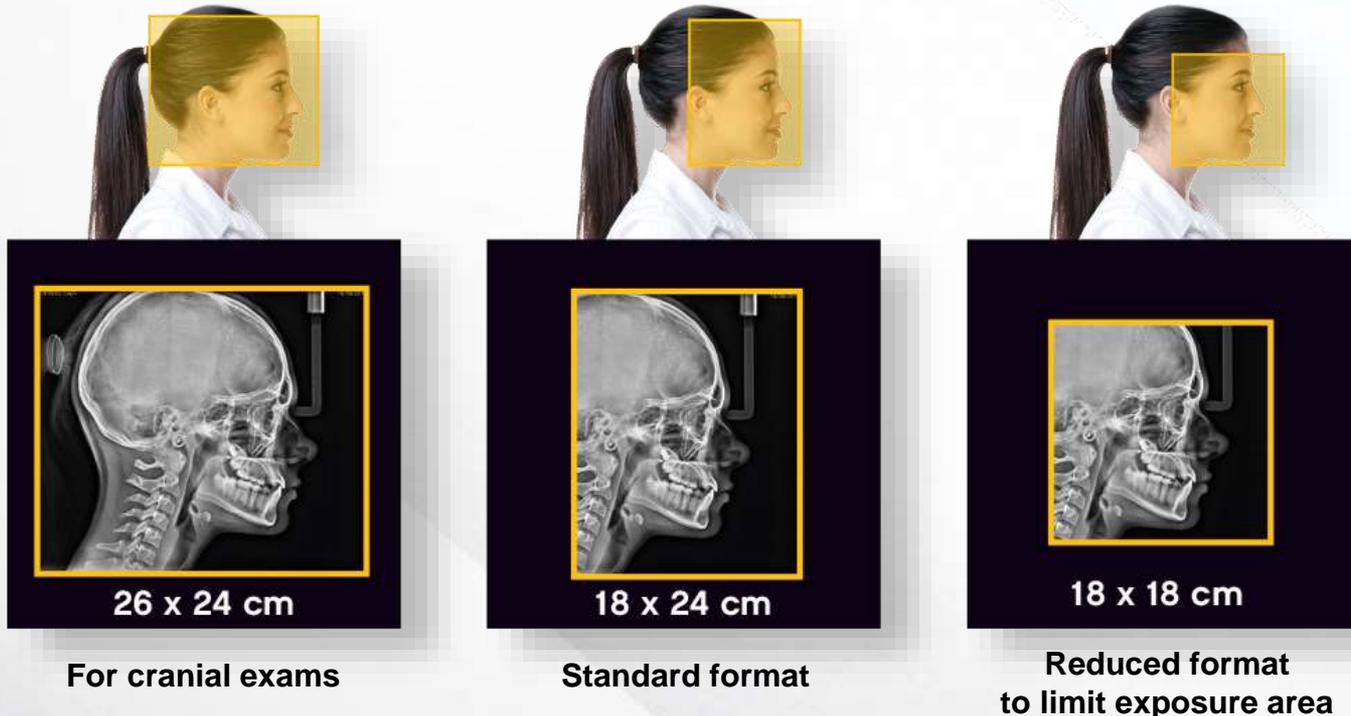
■ Enhances the skin line

■ Enhances bone and air structures with higher contrast

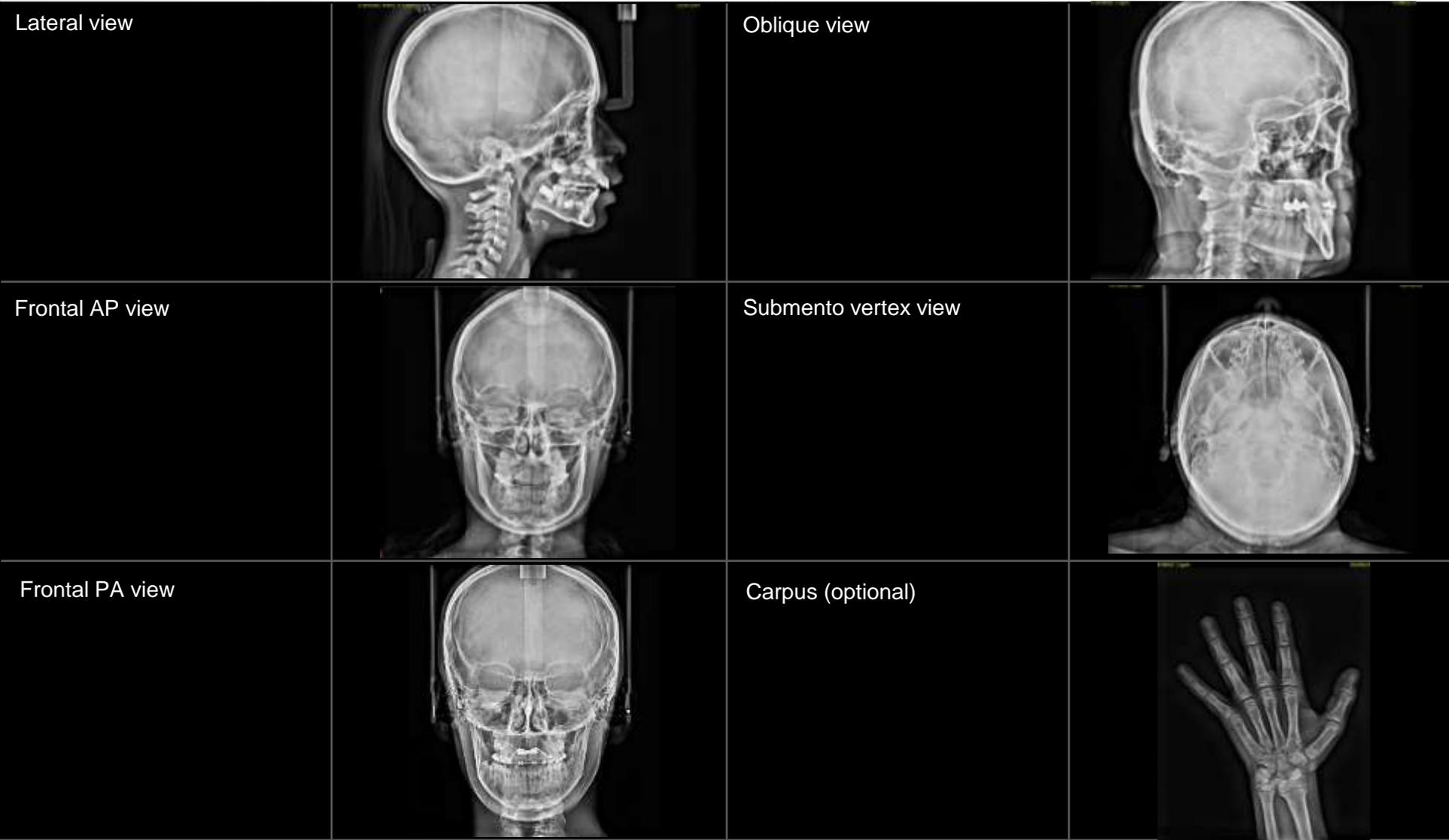
■ Enhances skin line, bone and air structure simultaneously

# Wide Range of Fields of View

- Selectable fields of view to meet all your diagnostic and analysis needs
- Exposure area can be reduced for better patient protection
- Ideal for practices who treat a lot of children



# Full Range of Projections



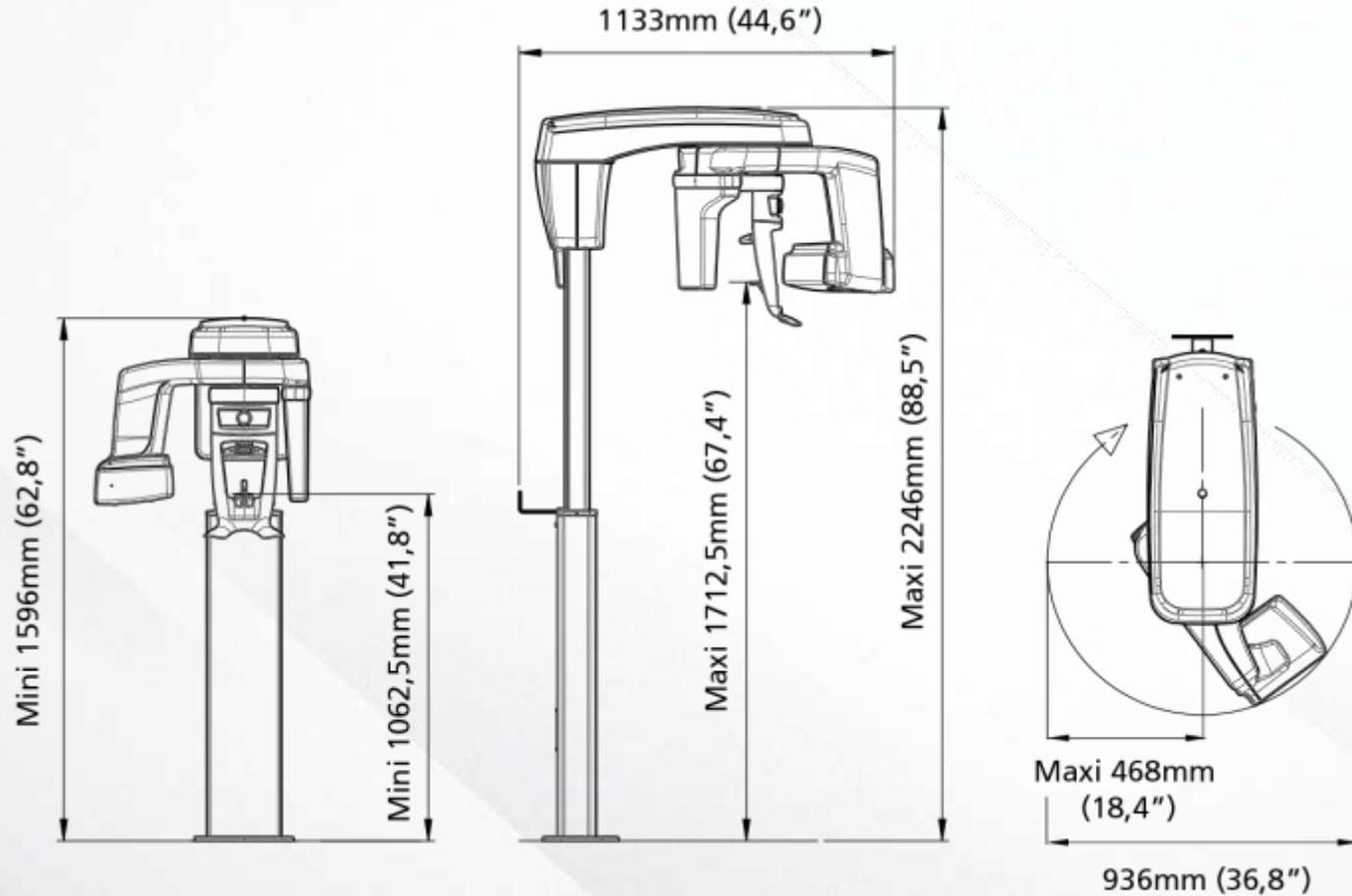
# Our Extraoral Portfolio



	CS 8100 CS 8100SC	CS 8100 3D CS 8100SC 3D	CS 9600 12x10 Edition	CS 9600 16x10 Edition	CS 9600 16x17 Edition
<b>FOVs (CBCT)</b>	-	4 FOVs available: 4 x 4 cm to 8 x 9 cm	10 FOVs available: 4 x 4 cm to 12 x 10 cm	12 FOVs available: 4 x 4 cm to 16 x 10 cm	14 FOVs available: 4 x 4 cm to 16 x 17 cm
<b>Tomosharp panoramic imaging</b>	✓ <b>NEW</b>	✓ <b>NEW</b>	✓ <b>NEW</b>	✓ <b>NEW</b>	✓ <b>NEW</b>
<b>Ceph imaging</b>	✓	✓	✓ * <b>NEW</b>	✓ * <b>NEW</b>	✓ * <b>NEW</b>
<b>CBCT imaging</b>	Upgradable to 3D	✓	✓	✓	✓
<b>3D model scan</b>	-	✓	✓	✓	✓
<b>3D facial scanner</b>	-	-	✓ *	✓ *	✓ *
<b>CS MAR</b>	-	✓ * <b>NEW</b>	✓ *	✓ *	✓ *
<b>120 kV tube voltage</b>	-	-	✓ *	✓ *	✓ *
<b>Practices / Specialties</b>	General practice Orthodontics	General practice Endodontics Periodontics Orthodontics	General practice Endodontics Implant Oral surgery Periodontics	Implant Oral surgery Periodontics	Oral and maxillofacial surgery Orthodontics Radiology centers Hospitals ENT

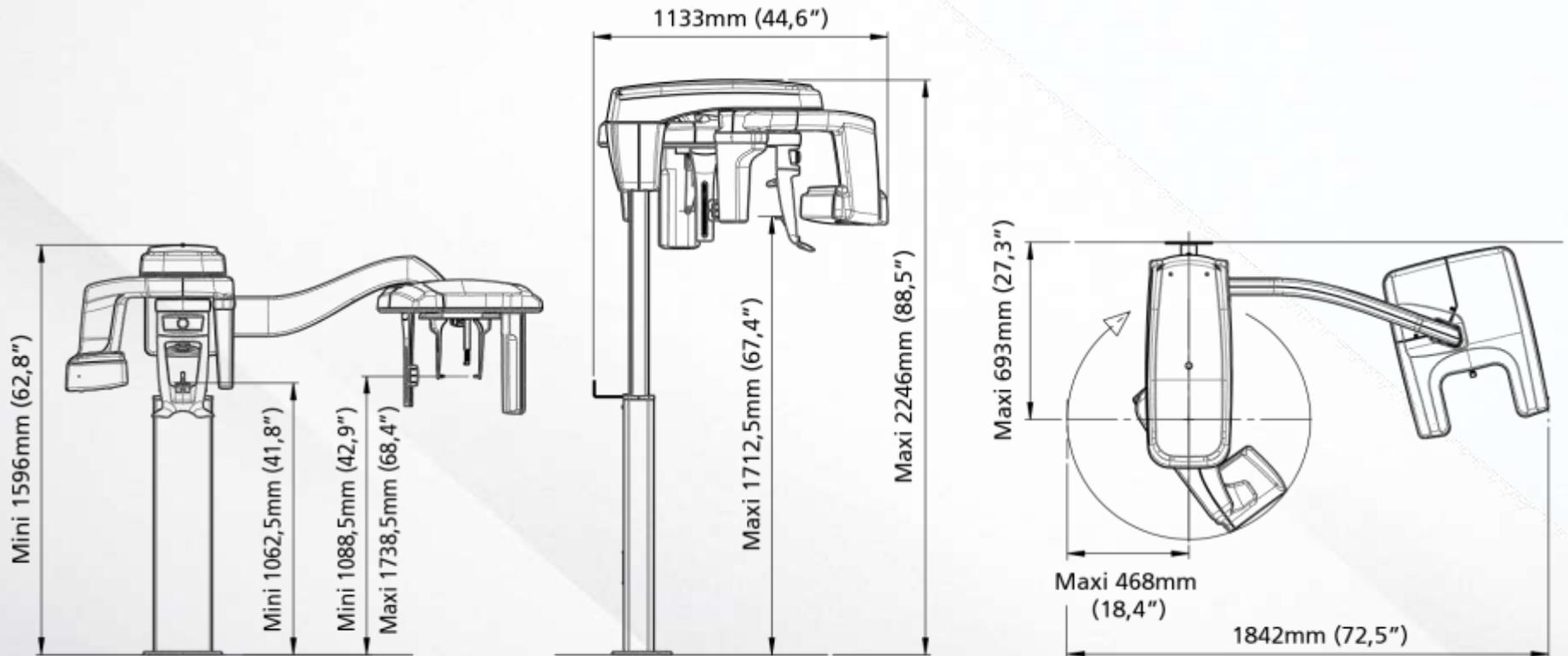
# Unit Dimensions

CS 8100



# Unit Dimensions

CS 8100SC



# Technical Specifications

Tube voltage	60 - 90 kV	
Tube current	2 - 15 mA	
Frequency	140 kHz	
Tube focal spot	0.5 mm (IEC 60336)	
Total filtration	> 2.5 mm eq. Al	
Input voltage (AC)	100 - 240 V 50/60 Hz	
Unit dimensions	Without ceph arm: 330 (L) x 936 (D) x 1596 (H) mm With ceph arm: 1842 (L) x 936 (D) x 1596 (H) mm	
Minimum required space	Without ceph arm: 1200 (L) x 1400 (D) x 2400 (H) mm With ceph arm: 2000 (L) x 1400 (D) x 2400 (H) mm	
Weight	Without ceph arm: 72 kg (158 lb.) With ceph arm: 107 kg (236 lb.)	
	<b>Panoramic Modality</b>	<b>Cephalometric Modality</b>
Sensor technology	CMOS	CMOS
Image field	64 x 1312 pixels / 6.4 x 120 mm (pediatric)*	6.4 x 263.3 mm
Gray scale	4096 - 12 bits	16384 - 14 bits
Magnification	1.2 (± 10%)	1.13 (± 10%)
Radiological exam options	Full panoramic, segmented panoramic, maxillary sinus, LA TMJ x 2, LA TMJ x 4, 2D+**	Lateral, frontal AP or PA, oblique, submento-vertex, carpus (optional)
Exposure mode	4 patient sizes (Child. Adult: small, medium, large) 3 dental arch morphology (normal, square, sharp)	4 patient sizes (Child. Adult: small, medium, large)
Exposure time	2 to 12.5 seconds	3 to 10 seconds



# Thank You

