Carestream DENTAL

Date: January, 27th 2017

Product: CS 8100SC 3D

Document Reference #: PN 00423

Validity: NA

Distribution: External

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CS 8100SC 3D

Welcome the latest member of the successful CS 8100 family

Carestream Dental is proud to present the CS 8100SC 3D, the latest member of the successful CS 8100 family, an ideal solution for orthodontists, general practices that perform orthodontic procedures, and multi-specialty practices.

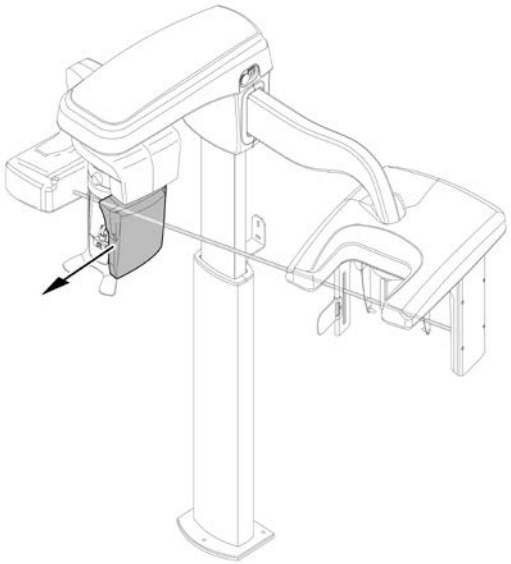
The CS 8100SC 3D combines our award-winning panoramic imaging, the fastest scanning ceph of the market, and the powerful 3D modality with its flexible field of view (FOV), all delivered within one of the smallest footprints on the market.

The CS 8100SC 3D is built on the success of the CS 8100 family, which began in 2012 with the launch of the CS 8100. Four years later, the family reached an impressive milestone of 10,000 units sold.

Key selling points

- Flexible FOV from 4 x 4 cm to 8 x 9 cm
- High-resolution 3D imaging: 75µm
- Award-winning panoramic imaging
- World's fastest scanning ceph unit
- One of the smallest units in its category
- Exclusive automatic tracing
- Exclusive CS Adapt module
- Intuitive and sharable 3D software
- CS Solutions ready
- New low dose mode

CS 8100 3D upgrade to CS 8100SC 3D



To allow the CS 8100 3D to acquire cephalometric images, we have introduced a sliding mechanism that prevents the X-ray beam from hitting the panoramic / 3D sensor during a cephalometric exam.
The covers, as well as the X-ray source assembly and counterweights for the CS 8100SC 3D have been modified, and the unit will also feature the same column as the CS 8100SC (5 cm taller than the CS 8100 3D).

Since all of these components must be changed, installed CS 8100 3D units will not be upgradable to the CS 8100SC 3D. However, beginning September 2017, all manufactured CS 8100 3D units will be upgradeable, as they will feature the modifications that allow an upgrade to the new sliding mechanism by default.

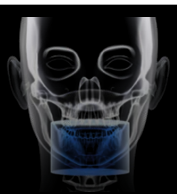
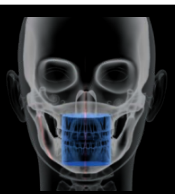
Although units manufactured prior to September 2017 will not be eligible for an upgrade, a unit swap is still possible.

For more information and serial numbers, a Product News will be issued when the ceph upgrade kit for CS 8100 3D units will be available.

New low dose mode

The CS 8100SC 3D introduces a new 3D acquisition mode which drastically reduces both the acquisition time and the dose to between 87% and 92% as compared to standard mode*. This low dose option is ideal for multiple applications, from pediatric examinations to single implant placements and evaluation of impactions. The low dose mode is available in addition to the existing Fast scan mode.

* Internal dose evaluation. Scientific study pending

	 8 cm x 9 cm	 8 cm x 5 cm	 5 cm x 5 cm	 4 cm x 4 cm
Endo HD mode (75µm)			✓	✓
Standard resolution (150µm)	✓	✓	✓	✓
Fast scan (300µm)	✓	✓	✓	✓
Low dose mode (400µm)	✓	✓	✓	✓

Note: The installed base will be able to benefit from this low dose option with a simple driver update starting in September 2017.

Product Availability

The CS 8100SC 3D will be available for purchase starting at the end of January 2017. The product will be available later in some countries once the product is registered and approved by local regulatory entities. Please contact your Carestream Dental representative for product availability in your country.

CAT Numbers

Full System

CAT #	Description
5500111	CS 8100SC 3D Complete system
5500236	CS 8100SC 3D Access Without 8 x 5 cm, 8 x 8 cm, 8 x 9 cm FOV. Without ceph 26 x 24 cm FOV and without automatic tracing
5500244	Trophypan Smart SC 3D Complete system
5500251	Trophypan Smart SC 3D Access Without 8 x 5 cm, 8 x 8 cm, 8 x 9 cm FOV. Without ceph 26 x 24 cm FOV and without automatic tracing

Options

CAT #	Description
5319355	Carpus panel
5188511	Base plate for exhibition and show room

Calibration tools

CAT #	Description
5313838	Technician Toolkit for CS 8100 3D
5314554	Technician Toolkit for Scan Ceph

Note: The tools for installing CS 8100SC 3D units are similar to those available for installing the CS 8100 3D and CS 8100SC units.

Optional licenses

CAT #	Description
5313770	CS 8100 3D 8x9 license
5314216	TP Smart 3D 8x9 license
5319405	Automatic tracing license

Optional CS Solutions software licenses

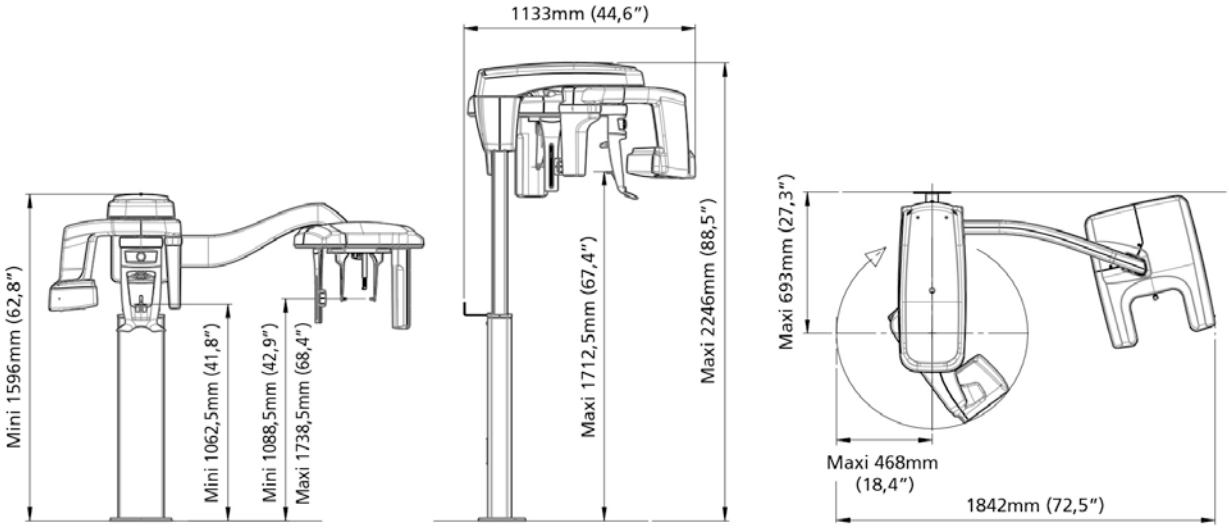
CAT #	Description
5313663	CS Model license
5313671	Trophy Model license
5310362	CS Restore license
5310636	Trophy Restore license
5321930	Prosthetic-Driven Implant Planning module Carestream license 5 workstations
5321948	Prosthetic-Driven Implant Planning module Carestream license 2 workstations
5321914	Prosthetic-Driven Implant Planning module Trophy license 5 workstations
5321922	Prosthetic-Driven Implant Planning module Trophy license 2 workstations

Technical specifications

X-Ray Generator	
Tube voltage	60 - 90 kV
Tube current	2 - 15 mA
Frequency	140 kHz
Tube focal spot (IEC 60336)	0.7 mm with X-ray tube OPX110 0.6 mm with X-ray tube D-067
Input voltage (AC)	100-240 V - 50/60 Hz
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: 92 kg (202 lb.) With ceph arm: 127 kg (280 lb.)
Panoramic Modality	
Sensor technology	CMOS
Image field	6.4 x 140 mm (Adult) - 6.4 x 120 mm (Pediatric)
Gray scale	16384 - 14 bits
Magnification	1.2
Radiological exam options	Full panoramic, segmented panoramic (including bitewing segmented panoramic), maxillary sinus, LA TMJ x 2, LA TMJ x 4
Exposure mode	4 patient sizes (child, small adult, medium adult, large adult) 3 dental arch morphology (normal, square, sharp)
Exposure time	2 to 14 seconds
3D Modality	
Technology	Dental Volumetric Reconstruction (DVR)
Sensor technology	CMOS
Volume Field Of View diameter x height (cm)	4 x 4 / 5 x 5 / 8 x 5 / 8 x 8 / 8 x 9*
Radiological exams	Full, upper or lower jaw - Full, upper or lower molar – Occlusion - Teeth
Gray scale	16384 - 14 bits
Voxel size (µm)	75 µm minimum
Exposure time	3 to 15 sec
Cephalometric Modality	
Sensor technology	CMOS
Image field	6.4 x 263.3 mm
Gray scale	16384 - 14 bits
Magnification	1.13
Radiological exams	Lateral, frontal AP or PA, oblique, submento-vertex, carpus (optional)
Exposure time	2.9 to 11 seconds

* 8 x 5, 8 x 8 and 8 x9 not available on CS 8100 3D Access and CS 8100SC 3D Access.
8 x 9 not available in Canada

Dimensions



For more information, please take a look at the FAQ and/or the Safety & Regulatory guide.