

FACT SHEET



CS 9300 System
with Low Dose Imaging

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Product Summary

In order to give practitioners more control in limiting radiation exposure to patients, the CS 9300 family features Low Dose mode. The low dose capability of the system captures 3D images at a significantly lower dose than panoramic 2D imaging. This lower dose option reflects Carestream Dental's commitment to aligning its products with the As Low As Reasonably Achievable (ALARA) Principle. Practitioners can capture quality images while providing their patients with greater protection from radiation exposure.

Product Features and User Benefits

About Low Dose Imaging:

Less Radiation for Patients, Clear Images for Doctors: The newest technological advances in dose reduction, fast scanning, software algorithms and noise reduction processing combine to deliver excellent image quality at the lowest possible dose. With Low Dose mode, doctors can provide 3D exams at up to 85 percent lower dose than traditional 2D panoramic imaging¹. Low dose imaging is available for all 3D programs, and existing units can be retrofitted with Low Dose imaging. Low Dose imaging covers multiple applications such as implant planning; follow-up exams for orthognathic, maxillofacial surgery or implant; analyzing skeletal symmetry; assessing airways; evaluating impacted teeth and supernumeraries; and pediatric examinations.

Intelligent Dose Management: In order to adhere to the ALARA Principle, the CS 9300 family gives doctors several options to manage dose more effectively. For example, the ability to focus on a specific region of interest greatly limits radiation to only the relevant anatomical structure(s). Additionally, Low Dose mode can reduce radiation even further—between 73 and 95 percent as compared to standard acquisition mode²—while still maintaining diagnostic image quality.

About the CS 9300 Family:

Multi-Modality: Along with exceptional 3D imaging technology, the CS 9300 and the CS 9300 Select offer leading 2D digital panoramic imaging with variable focal trough technology. One-shot cephalometric imaging is available as an optional feature.

Multiple Fields of View: The CS 9300 offers seven selectable fields of view, ranging from 5 cm x 5 cm to 17 cm x 13.5 cm. These fields of view support a wide variety of clinical applications, including implantology, oral and maxillofacial surgery, orthognathics and orthodontics.



The CS 9300 Select offers medium-field 3D imaging with four fields of view, ranging from 5 cm x 5 cm to 10 cm x 10 cm. The CS 9300 Select configuration is ideal for practices focusing on implantology, guided surgery, periodontic treatment and oral surgery, while also allowing clinicians to visualize the third molars. Both CS 9300 configurations automatically collimate to the appropriate region of interest based on the imaging program selected.

Superb Image Quality: The CS 9300 and the CS 9300 Select both produce an image resolution of up to 90 μm with 1:1 accuracy, delivering superior diagnostic detail. Additionally, these units allow practitioners to examine images the way they need to for the case at hand: slice-by-slice in axial, coronal, sagittal, cross-sectional and oblique views, leading to more accurate diagnoses.

Better Case Acceptance: CS 3D Imaging software allows practitioners to manipulate images so patients can visualize the pathology, understand their diagnoses; and make more informed treatment decisions.

Easy Collaboration: Both CS 9300 configurations come with Carestream Dental's shareable imaging software that lets practitioners transmit images via USB, CD or email, allowing for easy collaboration. CS 9300 volumetric datasets can be transmitted with complimentary software that allows referring doctors to manipulate images with no extra cost.

Sleek Design for Patient Comfort: With standing and seated positioning options available, the CS 9300 configurations are built with an open design to accommodate patients of all shapes and sizes, including those in wheelchairs.

Optional One Shot Cephalometric Imaging: "One-shot" technology delivers the highest quality cephalometric images in approximately a second, preventing blurred images and risk of retakes. The cephalometric option offers an exclusive range of five image formats—such as a full cranial option—from 18 cm x 18 cm to 30 cm x 30 cm. Additionally, the cephalometric module recognizes landmark and anatomical structures and traces them automatically with the included imaging software.

Compatible with Third-Party Software: The CS 9300's software configurations are designed to integrate seamlessly with leading imaging programs such as NobelClinician™†, SimPlant®†, 360imaging's 360dps* and suresmile®††, enabling advanced treatment planning options.



More Information

For more information on Carestream Dental's innovative solutions or to request a product demonstration, call **800.944.6365** or visit **www.carestreamdental.com**.

About Carestream Dental

Carestream Dental provides industry-leading imaging, software and practice management solutions for dental and oral health professionals. With more than 100 years of industry experience, Carestream Dental products are used by seven out of 10 practitioners globally and deliver more precise diagnoses, improved workflows and superior patient care. For more information or to contact a Carestream Dental representative, call **800.944.6365** or visit **www.carestreamdental.com**.

About Carestream Health

Carestream Health is a worldwide provider of dental and medical imaging systems and healthcare IT solutions; X-ray film and digital X-ray systems for non-destructive testing; and advanced materials for the precision films and electronics markets. For more information about the company's broad portfolio of products, solutions and services, please contact your Carestream Health representative or visit **www.carestream.com**.

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¹Based on studies conducted by John B. Ludlow, University of North Carolina, School of Dentistry; Dosimetry of CS 8100 CBCT Unit and CS 9300 Low-Dose Protocol, August 2014; Dosimetry of the Carestream CS 9300 CBCT unit, June 2011. 85% reduction (3 μ Sv) found in 5x5 cm adult exams; exact dose reduction varies based on field of view and ranges from 0% to 85%.

²Based on study conducted by John Ludlow, University of North Carolina, School of Dentistry, Dosimetry of CS 8100 CBCT Unit and CS 9300 Low-Dose Protocol, September 2014

³Fully Compatible

⁴Certified

⁵SimPlant is a trademark of Materialise Dental. NobelClinician is a trademark of Nobel Biocare. SureSmile is a trademark of OraMetrix.