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CS 7400

User Guide



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Notice

The User Guide for the CS 7400 includes information on the safety instructions, regulatory information and the technical specifications of the device. Please read and observe all warnings and instructions in this Guide and those marked on the unit.

The information contained in this Guide may be subject to modification without notice, justification or notification to the persons concerned. Make sure you have the most current version.

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U.S. Federal law restricts this device to sale by or on the order of a dentist or physician.

This document is originally written in English.

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Table of Contents

1 Safety and Regulatory Information

Conventions used in this manual 1-1
General Safety Guidelines 1-1
Electrical Hazards 1-2
Explosion and Implosion Hazards 1-2
Overheating 1-3
Recycling the Unit 1-3
Labeling Summary 1-3
IEC Symbols Used 1-4
Device-Specific Safety Information 1-4
Laser Safety Instructions 1-4
Regulatory Information 1-5
CE Conformity 1-5
U.S. Regulations 1-5

2 System Overview

Unit Components 2-1

3 Using the CS 7400

Prerequisites 3-1
Operating the system with a Panoramic or Cephalometric Holder 3-2
Taking the X-ray 3-2
Loading the Extraoral Holder onto the Drum 3-3
Operating the System with an Intraoral Holder 3-4
Taking the X-ray 3-4
Loading the Intraoral Holder onto the Drum 3-5
Inserting a Plate into a Holder while on the Drum 3-6

4 Plate Holders and Available Scans

Extraoral Holders 4-1
Intraoral Holders 4-3

5 Scanning

Performing a Scan 5-1
Removing the Holder 5-3

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6 Care and Maintenance

System 6-1
CS Imaging Plate Care and Handling 6-1
Handling and Storage 6-1
Disposal 6-2
Warranty 6-2
Cleaning 6-2
Envelopes and Pouches 6-3

7 Troubleshooting

System 7-1
System Information 7-1
Error Messages 7-2

8 Technical Information and Specifications

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1 Safety and Regulatory Information

The information contained herein is based on the experience and knowledge relating to the subject matter gained by Carestream Health, Inc. prior to publication. No patent license is granted by this information.

Carestream Health, Inc. reserves the right to change this information without notice, and makes no warranty, express or implied, with respect to this information. Carestream Health shall not be liable for any loss or damage, including consequential or special damages, resulting from any use of this information, even if loss or damage is caused by Carestream Health's negligence or other fault.

Conventions used in this manual

⚠ CAUTION:
Caution points out procedures that you must follow precisely to avoid damage to the system or any of its components, yourself or others, loss of data, or corruption of files in software applications.

Note

Notes provide additional information, such as expanded explanations, hints, or reminders.

Important

Important highlights critical policy information that affects how you use this manual and this product

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General Safety Guidelines

- This product is designed and manufactured to ensure maximum safety of operation. Operate and maintain it in strict compliance with the safety precautions and operating instructions contained in this manual.
- This product meets all the safety requirements applicable to medical equipment. However, anyone attempting to operate the system must be fully aware of potential safety hazards.
- There are no user serviceable parts in this system. The product must be installed, maintained, and serviced by qualified service personnel according to procedures and preventive maintenance schedules in the product service manual. If your product does not operate as expected, contact your Service Representative.
- Do not modify this product in whole or in part without prior written approval from Carestream Health, Inc.
- Personnel operating and maintaining this system should receive training and be familiar with all aspects of operation and maintenance.
- To ensure safety, read all user manuals carefully before using the system and observe all Caution, Important and Note callouts located throughout.
- Keep this manual with the equipment.
- Reading this manual does *not* qualify you to operate, test, or calibrate this system.
- Unauthorized personnel are not allowed access to the system.
- If the product does not operate properly or fails to respond to the controls as described in this manual:
  - Follow the safety precautions as specified in this manual.
  - Stop using the system and do not make or authorize any changes to it.
  - Immediately contact your Service Representative, report the problem, and await further instructions.
- Use only legally marketed cassettes. Periodically check the cassette quality and replace if any defects are apparent.
- The images produced by this system are intended as tools for the trained user. They are explicitly not to be regarded as the sole and incontrovertible basis for clinical diagnosis.
- Be aware of the product specifications and of system accuracy and stability limitations. Consider these limitations before making any decision based on quantitative values. If you have any doubts, consult your Sales Representative.
- This system is Class 1 continuously operated stationary equipment without applied parts and has one signal input/output part.

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Electrical Hazards

CAUTION:

Do not remove or open system covers or plugs. Internal circuits use high voltage capable of causing serious injury. Fuses blown within 36 hours of being replaced by a qualified technician may indicate malfunctioning electrical circuits within the system. Have the system checked by qualified service personnel. Do not attempt to replace any fuse. Fluids that seep into the active circuit components of the system may cause short circuits that can result in electrical fires. Therefore, do not place any liquid or food on any part of the system.

To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

Make sure that the scanner is positioned far from any X-ray source.

Make sure that the scanner is always positioned so that there is easy access to the main power supply socket.

Explosion and Implosion Hazards

CAUTION:

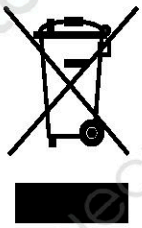
Do not operate the equipment in the presence of explosive liquids, vapors, or gases. Do not plug in or turn on the system if hazardous substances are detected in the environment. If these substances are detected after the system has been turned on, do not attempt to turn off the unit or unplug it. Evacuate and ventilate the area before turning off the system.

Overheating

CAUTION:

Do not block air circulation around the unit. Always maintain at least 6 inches (15 cm) clearance around the unit to prevent overheating and damage to the system.

Recycling the Unit



In the European Union, this symbol indicates that when the last user wishes to discard this product, it must be sent to an appropriate facility for recovery and recycling.

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Labeling Summary



Data Plate

Safety Labels

LASER

Laser-emitting product



CLASS 3B LASER PRODUCT INSIDE UNIT



HIGH VOLTAGE

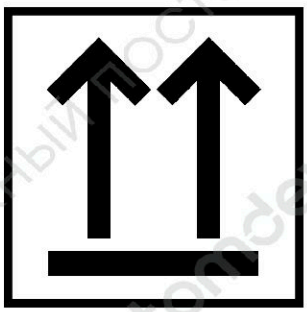


CHASSIS GROUND STUD



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Transportation Labels



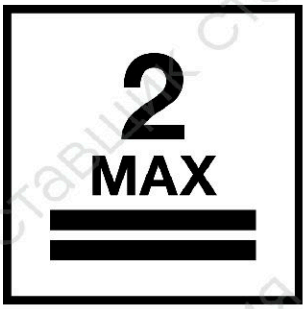
THIS WAY UP



FRAGILE



KEEP DRY

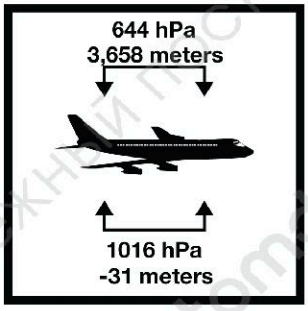


NUMBER OF BOXES PILE UP LIMIT

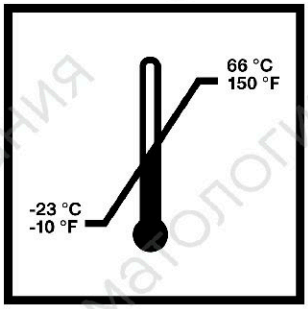
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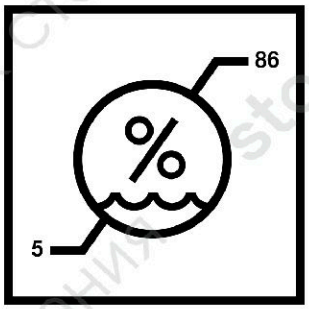
ALTITIUDE TRANSPORT LIMITATION



STORAGE TEMPERATURE LIMITATION



STORAGE HUMIDITY LIMITATION



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IEC Symbols Used

The system may have labels with one or more of the following symbols.



Caution — consult accompanying documents



Power ON



Power OFF



Caution — Electrical shock hazard



Information

Device-Specific Safety Information



LIFTING HAZARD

The CS 7400 digital radiography unit weighs 18 kg (39.6 lb). Do not try to lift the unit by yourself. Always seek assistance from another person. Lifting equipment that is too heavy may result in serious injury and/or damage to equipment.

Laser Safety Instructions

CAUTION:

The CS 7400 digital radiography system is a CLASS 1 Laser product.

- During normal operation, always keep the unit enclosed in its protective cover to prevent the outside area from being exposed to laser radiation.
- During normal operation, do not remove the cover. Only authorized service personnel may remove the cover.
- Do not operate the system while the access door is open.

CAUTION:

Laser radiation when cover is removed. Avoid direct exposure to beam. Class 3B laser inside.

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Regulatory Information

The product conforms to the following safety standards: IEC 60601-1:2005 - Medical Electrical Equipment - Part 1: General requirements for safety and essential performance, EN/IEC 60825-1:94 + a1(97) + a2(01) + Cor1(02), EN 60601-1:06/IEC 60601-1:05, UL 60601-1:03, rev. 06, IEC, IEC 60825-1:2007 (for laser module CAN\CSA-C22.2 No. 601.1-M90, JIS T 0601-1:1999.

This device complies with 21CFR 1040.10.

CE Conformity

This product conforms to the requirements of EU Council Directive 93/42/EEC and meets UL standards and requirements.

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The CS 7400 digital radiography system is a Class IIa medical device. The CS 7400 system bears the following mark of conformity:

CE
0086

U.S. Regulations

CAUTION:
US federal law restricts this device to sale by or on the order of a physician.

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2 System Overview

The CS 7400 digital radiography system is designed for reading photostimulable phosphor (PSP) plates in dental, orthodontic, and oral surgery applications. The system is composed of two main parts:

- The CS 7400 unit
- The CS 7400 scanning program (user interface), which should be installed in the host computer that runs the unit. The user interface can be launched from other vendor software packages.

Unit Components

<table>
<tr><th>Component</th><th colspan="2">Function</th></tr>
<tr><td>Unit access door</td><td colspan="2">• Allows access to the drum
• An automatic locking mechanism prevents the door from opening during operation</td></tr>
<tr><td rowspan="6">Status LED</td><td colspan="2">Three-color Light Emitting Diode (LED) indicates the status of the unit</td></tr>
<tr><td>LED status</td><td>Meaning</td></tr>
<tr><td>Green</td><td>Unit is idle and ready for use</td></tr>
<tr><td>Green blinking</td><td>Scanning or erasing</td></tr>
<tr><td>Orange</td><td>Error is detected</td></tr>
<tr><td>Orange blinking</td><td>Unit is powering up</td></tr>
<tr><td></td><td>Red</td><td>Unit access door was opened while drum rotation motor was operating</td></tr>
<tr><td>Drum</td><td colspan="2">Holds the plate holders during scanning and erasing</td></tr>
<tr><td>Latches</td><td colspan="2">Attach the plate holder to the drum</td></tr>
</table>

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CS 7400 — front view



CS 7400 — back view



CS 7400 — drum view

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3 Using the CS 7400

This section provides instructions for reading a plate with the CS 7400 digital radiography system.

Scanning consists of:

- Verifying the prerequisites for scanning
- Attaching the plate holder to the drum
- Setting up the user interface
- Scanning the plate
- Ending the scanning process

Prerequisites

Before scanning, make sure that:

- The unit is positioned on a flat and stable surface.
- The USB cable connecting the computer to the unit is firmly attached.
- The unit is connected to an AC power source and powered on.
- The system driver was configured during installation.
- The drivers and the CS 7400 system user interface are installed.
- The status LED is green.
- The holder is properly positioned and latched.
- The unit access door is closed.
- An uninterrupted power supply (UPS) is installed to insure that images are not damaged or lost in the event of power failure.

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Operating the system with a Panoramic or Cephalometric Holder

Taking the X-ray

Use the CS imaging plate in place of regular x-ray film.

⚠ CAUTION:
The plate is reusable. Handle with care. See Section 6 for care and maintenance.

⚠ CAUTION:
To prevent damage to the image, remove any intensifying screens from the cassette before inserting the plate. To prevent any damage to the plates, remove any glue.

1. Load the plate into the cassette as shown below. Note that the white side of the plate faces down.



Loading the plate into the cassette

2. Fold the black end tabs of the plate so that the printed side is facing you, and close the cassette cover. In this position, the phosphor side faces the x-ray machine aperture.



Folding the end tabs before closing the cassette

3. Load the cassette into the x-ray machine slot and take the x-ray exposure in the usual manner.

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Loading the Extraoral Holder onto the Drum

Note

Do not expose the plate to any more light than necessary since excessive exposure to light will degrade the image.

Note

The unit access door cannot be opened while the unit is operating. Do not force the door open.

⚠ CAUTION:

Do not operate the unit without a plate holder.

1. After you expose the plate, open the unit access door.
2. Remove the plate holder from the cassette.
3. Push up the black latch on the drum with your thumb.
4. Place the hole in one end of the plate holder over the securing pin as shown below with the printed side of the black tabs facing up.



Extraoral plate secured by first latch

5. Release the latch.
6. Slowly rotate the drum upward.
7. Push the spring-loaded tab of the red latch upward and align the pin with the hole in the other end of the plate holder.



Extraoral plate secured by second latch

8. Manually rotate the drum slowly to make sure it rotates freely. Be careful not to scratch the plate.
9. Close the unit access door and perform the scan. (See Section 5.)

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Operating the system with an Intraoral Holder

CAUTION:
The plate is reusable. Handle with care. See Section 6 for care and maintenance.

Taking the X-ray

The intraoral plates are used like regular film and are supplied in the same sizes.

To avoid contamination, be sure to change your gloves after you remove the barrier envelope.

Important

Use pouches and barrier envelopes only once, then dispose of them. Use a new pouch and envelope for each x-ray.

1. Write the corresponding tooth number(s) on the white printed side of the light protection pouch with a permanent marker.
   - If using a CS intraoral #1 (10)-#2 (12) holder, number the #2 pouches from 1-12, and number the #1 pouches from 13-22.
   - If using a CS intraoral #2 (18)-#3 (4) holder, number the #2 pouches from 1-18, and number the #3 pouches from 19-22.
2. Insert the plate into the protective pouch.

   Make sure that the orientation mark and plate number imprinted on the plate are inserted to match the marks on the pouch.

   Make sure that the blue side of the plate faces away from the printed side of the pouch. The blue side must face the x-ray aperture.
3. Remove the protective tape from the sticky edge of the envelope and seal the envelope shut.
4. Position the plate in the patient's mouth with the orientation mark in the same manner as you position film.
5. Take the x-ray.
   - If taking a Full Mouth Series (FMS), the image in pouch #1 is displayed in box 1 in the FMS mount, the image in pouch #2 is displayed in box 2, and so on.

Important

Do not touch the pouches or plates with your gloved hands.

6. Tear open the clear envelope and drop the pouch on the tray. Remove any residue from the pouch. Do not remove the plate from the pouch.
   If you have multiple envelopes, repeat this step.
7. Remove your gloves.
8. Load the intraoral holder onto the drum as shown in the following section.

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Loading the Intraoral Holder onto the Drum

Important

Use a holder that accommodates the size and number of plates being scanned.

CAUTION:

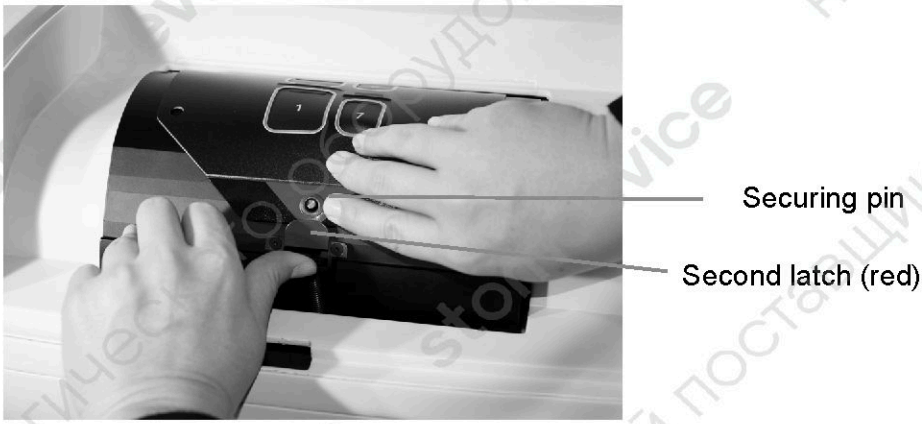
Do not operate the unit without a plate holder.

1. Open the unit access door and push up the latch with your thumb.
2. Place the end tab of the unmarked black end of the holder over the securing pin. Make sure the tab is under the latch plate and the number side of the holder faces out.



Intraoral Holder secured by first latch

3. Release the latch and slowly rotate the drum upward.
4. Push the spring-loaded tab of the red latch upward and align the pin with the hole in the other end of the holder.
5. Release the latch.
6. Manually rotate the drum slowly to make sure it rotates freely. Be careful not to scratch the plates.



Intraoral Holder secured by second latch

7. Insert the plate into a holder while on the drum as shown in the following section.

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Inserting a Plate into a Holder while on the Drum

CAUTION:

To ensure image quality, do not expose the plate to excess light.

1. After loading the holder onto the drum, remove the plate from the pouch and insert it into a pocket of the same size on a suitable holder.
2. Hold an intraoral plate by its edge, insert it into the appropriate cutout in the holder, making sure that it is seated securely. *Make sure that the blue side faces outward and the orientation mark is on the top.*
   If taking a FMS, line up the numbered pouches so they correspond with the numbered pockets on the holder and load the plates onto the holder pocket with the corresponding number.Load the holder onto the drum.

Important

To maintain the balance of the rotating drum, insert at least 12 plates into holders #1-#2 and #2-#3, filling up at least two rows. If you do not take this many exposures, use unexposed plates to fill the holder. For other holders, fill as few as one plate.

3. Load all the plates that you want to scan.
   Make sure the printed side is facing down.



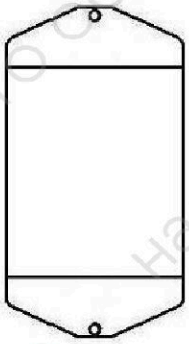
Inserting a plate into a holder

4. Close the unit access door.
5. Perform the scan as described in "Performing a Scan".

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4 Plate Holders and Available Scans

Extraoral Holders



Cephalometric 8" x 10"



Cephalometric 18 x 24 cm

Description: Holds one plate



Panoramic 5" x 12"

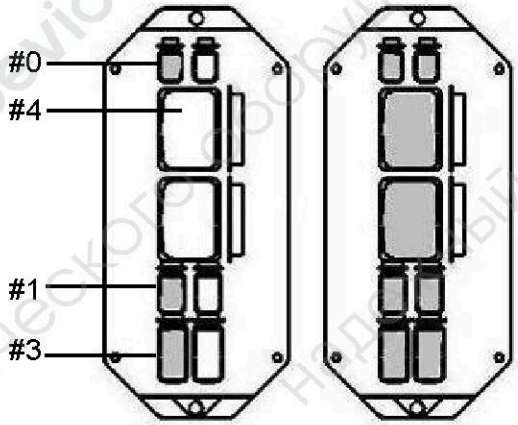


Panoramic 15" x 30"

Description: Holds one plate

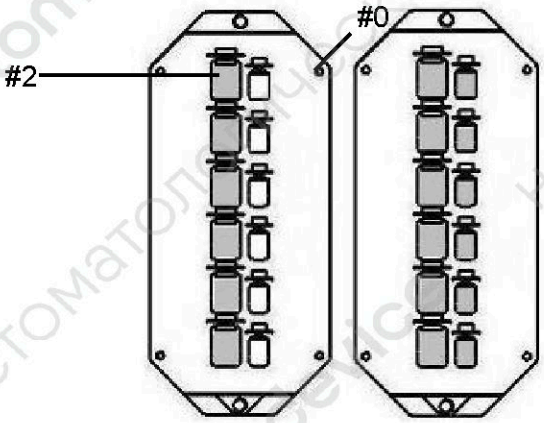
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Intraoral Holders



Intraoral #0(2) - #1(2) - #3(2) - #4(2)

Description: Holds two plates each of #0, #1, #3, and #4
Available scans: One plate each of #0, #1, #3, or all plates at once



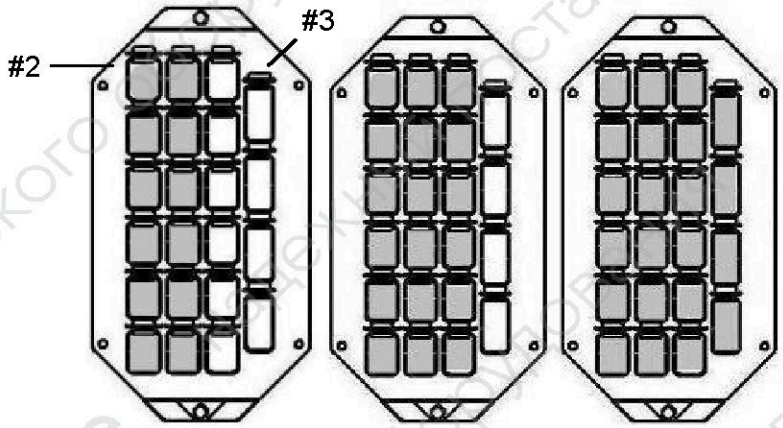
Intraoral #0(6) - #2(6)

Description: Holds six plates each of #0 and #2
Available scans: Up to six #2 plates, six #0 plates, or all plates at once

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Important

When using the holders below (2+3 and 1+2), you must insert a minimum of 12 plates, filling two rows, to insure that the rotating drum remains balanced.



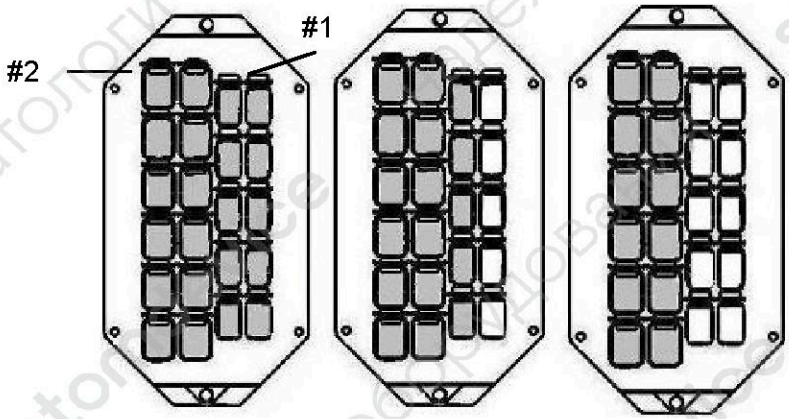
Intraoral #2(18) - #3(4)

Description: Holds eighteen #2 plates and four #3 plates

Available scans: Twelve #2 plates; eighteen #2 plates; all plates at once

Note

Must load a minimum of 12 plates.



Intraoral #1(10) - #2(12)

Description: Holds twelve #2 plates and ten #1 plates

Available scans: Twelve #2 plates; twelve #2 and five #1 plates; all plates at once

Note

Must load a minimum of 12 plates.

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5 Scanning

Performing a Scan

Access the user interface from the imaging software.

Note

To acquire a FMS, select a FMS template, then click **CS**.

1. In the CS imaging software, click **CR**. The **Acquisition** interface is displayed. Click **Room**.

   The room selection buttons appear, showing the available rooms in the clinic.
2. Select the x-ray room that was used.

   The room button lights up and the room appears on the selection screen to the left of the buttons.



User Interface

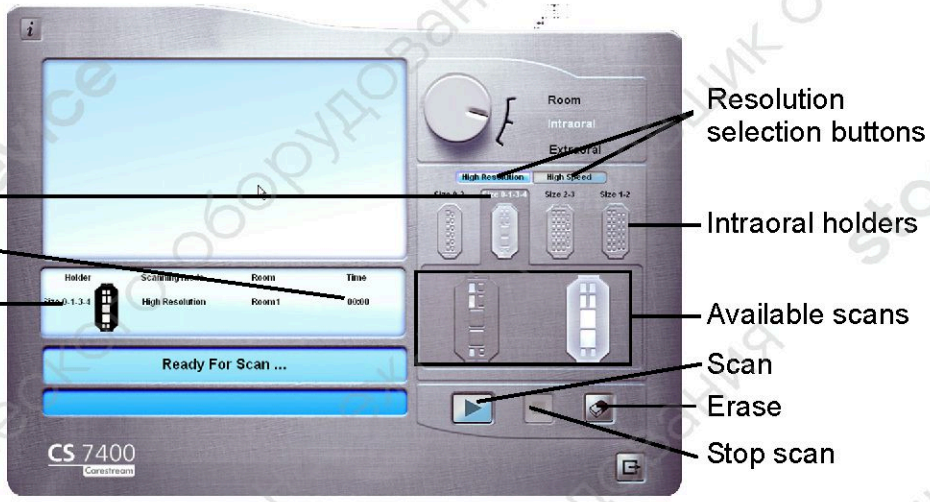
Note

For Panoramic or Cephalometric plate holders, select **Extraoral**.
For a FMS, select **Intraoral**.

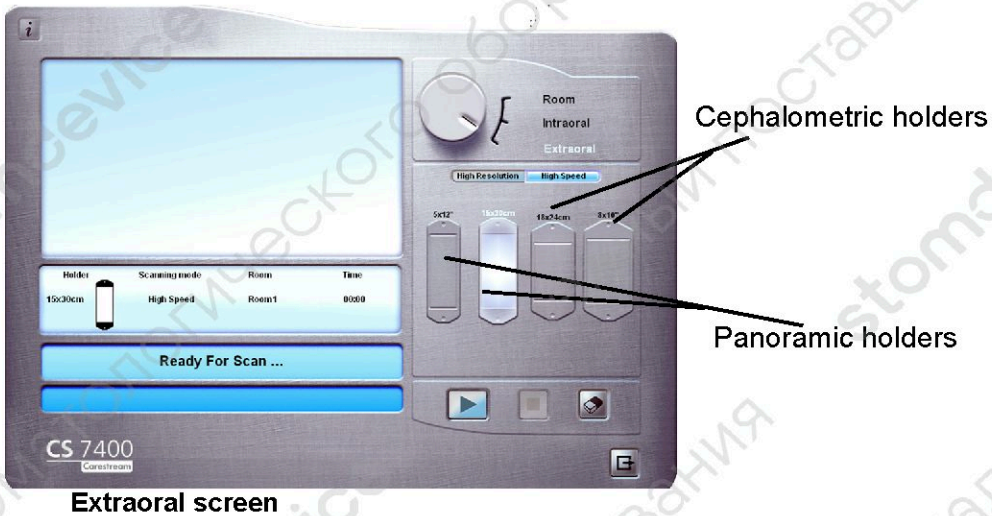
3. Choose an image type: **Intraoral** or **Extraoral**. The types of holders appear in the row.

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Intraoral screen



Extraoral screen

4. Select the holder.

Important

Follow steps 6-7 for intraoral only.

5. The available scans appear in the row below the holders. Select a scan from the available scans. Be sure to select the correct scan in accordance with the loading plates on the holder. See Section 3.
6. Select a resolution. **High Resolution** scans at a lower speed; **High Speed** scans at a lower resolution.

Important

To stop a scan, press the **Stop scan** button. If you stop a scan that is in progress, the image quality might be lost. Rescan the image.

7. Press the **Scan** button. You can see the progress of the scan on the **Preview** screen. The plates are scanned and the images are transferred to the imaging software.

   After the scan is complete, the plates are automatically erased and are ready to be used again. While the plates are being erased, the unit door cannot be opened. The settings you used for this scan are saved and will appear the next time the user interface is opened.

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Removing the Holder

Note

If you are scanning another image, leave the holder on the drum until you are done scanning images.

1. Open the unit access door.
2. Remove the plates from the holder and place them in new pouches.
3. Release the second (red) latch.
4. Pull the holder gently to rotate the drum.
5. Remove the holder from the unit.
6. Extraoral only - store the plate holder in its original cassette for later use.

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6 Care and Maintenance

System

- Protect the unit from excessive heat, cold, and humidity.
- Place the unit on a level and stable surface at a comfortable height for use.

CAUTION:
To prevent electrical shock to personnel or damage to the unit, always turn off and unplug the unit before cleaning it.

Important

Do not use powdered gloves when handling the unit, holders, pouches, or plates, or when cleaning the unit.

- Clean the outside of the unit with a damp paper towel or soft cloth using a mild, non-abrasive household cleaner.
- Do not spray cleaner directly onto the unit.
- Do not use cleaner on the inside of the unit.
- Do not allow cleaner to drip into the unit.
- Allow the unit to dry completely before plugging it in.

Imaging Plate Care

If used with care, Carestream Health imaging plates can be used repeatedly. However, the imaging plates will show wear over time due to continuous use. Inspect the imaging plates regularly and replace them if they are scratched and/or show signs of excessive wear.

CAUTION:
To prevent damage to the imaging plates and the possibility of image artifacts, avoid contact between the imaging plates and the following materials/solutions/solvents: Isopropyl alcohol, hydrogen peroxide and other peroxides, citrus-based cleaners, hand lotions and water-less hand sanitizers, as well as surfactants and lubricants.

Handling and Storage of the Imaging Plates

- Imaging plates should be stored in their original packing or storage box when they are not in use. Always store imaging plates in a dark and dry place.
- Do not expose the imaging plates to light for long periods as this can have a degrading effect.
- Do not store imaging plates in hot or moist conditions.
- Do not fold, crease, or bend the imaging plates.
- Avoid touching the active side of the imaging plates, and be careful not to drag the active side of the imaging plate across any surface as this will damage the imaging plate.
- Do not leave imaging plates where they can become damaged by liquid or chemical spills.

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- Do not autoclave.

Cleaning the Imaging Plate

CAUTION:
Read and follow the instructions in Material Safety Data Sheets (MSDS) for Carestream Screen Cleaner.

Clean the imaging plate to remove dirt, dust particles, finger prints and so forth that could affect image quality.

Cleaning Materials

- Clean, dry non-abrasive, lint-free wipes or cloths
- Carestream Screen Cleaner

Cleaning Method

To clean the imaging plates, follow these steps:

1. Fold a non-abrasive, lint-free wipe or cloth and dampen with a small amount of the solution. Be careful not to pour the solution directly on the imaging plate. Excessive amounts of the screen cleaner may damage the imaging plate.
2. Wipe the imaging plate thoroughly dry with a clean, dry, non-abrasive, lint-free cloth to remove residual cleaner. DO NOT LEAVE THE imaging plate TO AIR-DRY. Apply pressure to remove persistent dirt, if necessary.

Disinfecting Imaging Plates

CAUTION:
Do not soak the imaging plate in any cleaning or disinfecting solutions.

Frequency of Disinfection

Disinfect the imaging plate **after every use** (after the imaging plate is scanned), before it is inserted in the hygienic sheath for the next use.

Disinfection Solutions

To disinfect the imaging plates use either a self-prepared solution, or a commercially prepared product that adheres to the following detailed specifications and restrictions:

- Diluted bleach solution: dilute one part 5.25% sodium hypochlorite with ten parts of water.
- A commercially prepared equivalent solution of diluted bleach that does not contain any ingredients (Isopropyl alcohol, hydrogen peroxide and other peroxides, citrus-based cleaners, hand lotions and water-less hand sanitizers, as well as surfactants and lubricants) that can cause damage to the intraoral imaging plates.

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CAUTION:
If a commercially prepared equivalent solution of diluted bleach is used, follow the manufacturer's specifications and warnings.

To disinfect the imaging plates, follow these steps:

1. Moisten thoroughly (but not dripping) a non-abrasive, lint-free cloth with the prepared diluted bleach and wipe the imaging plate clean.
2. After 1 minute, wipe off the bleach residue with a new soft lint-free cloth dampened with water.
3. Wipe dry with a non-abrasive, lint-free cloth.

Disinfecting the Hygienic Sheath

CAUTION:
Do not soak the hygienic sheath in any cleaning or disinfecting solutions. Do not autoclave; autoclaved hygienic sheaths must be discarded.

Frequency of Disinfection

After the hygienic sheath has been removed from a patient's mouth and before extracting the imaging plate from within it.

Disinfection Solutions

- Diluted bleach solution: dilute one part 5.25% sodium hypochlorite with ten parts of water.
- A commercially prepared equivalent solution of diluted bleach that does not contain any ingredients (Isopropyl alcohol, hydrogen peroxide and other peroxides, citrus-based cleaners, hand lotions and water-less hand sanitizers, as well as surfactants and lubricants) that can cause damage to the hygienic sheaths.

Disinfection Method

CAUTION:
If a commercially prepared equivalent solution of diluted bleach is used, follow the manufacturer's specifications and warnings.

To disinfect the hygienic sheaths, follow these steps:

1. Moisten thoroughly (but not dripping) a non-abrasive, lint-free cloth with the prepared diluted bleach and wipe the hygienic sheath clean.
2. Wipe off the bleach residue with a new, soft, lint-free cloth dampened with water.
3. Wipe dry with a non-abrasive, lint-free cloth.

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Disposing of the Imaging Plate

Important

The imaging plate contains Barium and should be considered hazardous or special waste in specific conditions at the end of its useful service life. For disposal or recycling information, contact your local authorities.

Envelopes and Pouches

- Do not re-use envelopes. Discard after each use.
- Do not re-use pouches. Discard after each use.
- To ensure the best quality results, always enclose imaging plates in a white pouch and transparent envelope before placing it in a patient's mouth.
- The white pouch protects the plates from light.
- The transparent envelope protects the plates from contamination.

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7 Troubleshooting

System

If the system or user interface does not operate, check:

- Power cord connection
- USB cable connection
- Power switch is on
- Software is properly installed

System Information

For information about the system and user interface:

1. Open the user interface.
2. Click the **Info** icon.



About Screen

3. Select **About**.

Error Messages

If the recommended action does not solve the problem, or a different error message appears, contact your Service Representative.

Error Message	Recommended Action
Close the unit door	Make sure the door is closed.
Door not locked	Make sure the door is closed.
Attach holder to the drum	Do not try to operate without a holder attached to the drum. If a holder is attached, remove the holder and attach it again.

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Error Message	Recommended Action
Holder sensor is not working.	If a holder is attached, remove the holder and attach it again.

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8 Technical Information and Specifications

Visit www.carestreamdental.com for the latest hardware specifications for the CS 7400 digital radiography system and related components.

Theoretical Resolution	Panoramic/Cephalometric	<10 lp/mm
	Intraoral	<20 lp/mm
True Image Resolution	Panoramic/Cephalometric	Standard resolution – 4.5 lp/mm High resolution – 6 lp/mm
	Intraoral	Standard resolution – 8 lp/mm High resolution – 10 lp/mm
Plate Size	Panoramic	5" x 12" / 15 cm x 30 cm
	Cephalometric	8" x 10" / 18 x 24 cm
	Intraoral	#0 - 22 x 31 mm #1 - 24 x 40 mm #2 - 31 x 41 mm #3 - 27 x 54 mm #4 - 57 x 76 mm
Scan Time Time may vary based on number of plates scanned	Panoramic	74 seconds
	Cephalometric	95 seconds
	Intraoral - High Resolution	67 seconds (average 10.2 seconds per image)
	Intraoral - High Speed	40 seconds (average 6.7 seconds per image)
	FMS - High Resolution	Up to 255 seconds
	FMS - High Speed	Up to 135 seconds
Plate Erasing	Automatic - built-in erase lamps (manual erase available)	
Plate Type	CS imaging plates for intraoral/extraoral	
Dimensions (W x D x H)	18.9" x 15" x 9.5" (48 cm x 38 cm x 24 cm)	
Weight	39.6 lbs. (18 kg)	
Power Consumption	100-240 VAC / 50/60 Hz 2 A; external surge protector UPS strongly recommended	
Environmental Operating Conditions	Temperature: 18 - 30°C, 64 - 86°F Relative Humidity: 85% (max) non-condensing	
Daylight Operations	Avoid keeping unit near windows or direct light source	
Embedded Laser Specifications	Visible Light Output: 635-650 nm (class 3b) Output Power: up to 20 mW	

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PC Requirements	Carestream Health, Inc. has designed the system to interface with most standard PC computer models. However, since actual setups may include various hardware and software components, it is recommended to have computer selection authorized by a network service provider or authorized service provider. Visit www.carestreamdental.com for the most recent hardware specifications.

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