CS 8100 and CS 8100 Access

Installation Guide
Congratulations on your purchase of the CS 8100 and CS 8100 Access. Thank you for your confidence in our products and we will do all in our power to ensure your complete satisfaction.

The Installation Guide for the CS 8100 and CS 8100 Access includes information on complete or partial tomographic digital panoramic X-ray features. We recommend that you thoroughly familiarize yourself with this Guide in order to make the most effective use of your system.

WARNING: We recommend that you consult the “Safety, Regulatory and the Technical Specification User Guide” before using the CS 8100 and CS 8100 Access.

The information contained in this Guide may be subject to modification without notice, justification or notification to the persons concerned.

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The US Federal law restricts this device to sale by or on the order of a physician.

This document was originally written in English.

Manual Name: CS 8100 and CS 8100 Access Installation Guide
Part Number: SM786
Revision Number: 01
Print Date: 2012-04


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Chapter 1
About This Guide

Conventions in this Guide

The following special messages emphasize information or indicate potential risk to persons or equipment:

**WARNING**
Warns you to avoid injury to yourself or others by following the safety instructions precisely.

**CAUTION**
Alerts you to a condition that might cause serious damage.

**IMPORTANT**
Alerts you to a condition that might cause problems.

**NOTE**
Emphasizes important information.

**TIP**
Provides extra information and hints.
Chapter 2
CS 8100 GENERAL OVERVIEW

The CS 8100 Family includes:

- CS 8100: complete modality
- CS 8100 Access: modality without the thin slicing feature

*This document refers to both models as CS 8100 unless otherwise specified.*

The following figures illustrate the general overview of the CS 8100.

**Mobile Components**

Figure 2-1 illustrates the up and down movement of the CS 8100 unit mobile component and the rotation and translation of the rotative arm.

![important](image)

**IMPORTANT**

The patient can enter through either the left side or the right side of the CS 8100 unit.

Figure 2-1  CS 8100 Unit Mobile Components
General Functional Components

Figure 2-2 illustrates the general functional components of the CS 8100 unit.

**Figure 2-2  CS 8100 Unit Functional Components**

1. ON/OFF button
2. Emergency stop knob
3. Unit rotative arm
4. X-Ray generator source assembly
5. Unit column
6. Head and chin rest
7. Digital sensor
8. Unit head
9. X-Ray remote control
10. PC hosting the imaging and the acquisition software
Head and Chin Rest

Figure 2-3 illustrates the functional components of the CS 8100 head and chin rest.

Figure 2–3   Head and Chin Rest Functional Components

1. Positioning Panel
2. Frontal head rest adjustment knob
3. Frontal head rest
4. Bite block
5. Chin rest
6. Hand grips
Positioning Accessories and Replacement Parts

The following accessories are used when positioning a patient. They are delivered with the CS 8100 unit.

Table 2-1 lists the panoramic positioning accessories.

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Panoramic chin rest" /></td>
<td>Panoramic chin rest</td>
</tr>
<tr>
<td><img src="image" alt="Sinus chin rest" /></td>
<td>Sinus chin rest</td>
</tr>
<tr>
<td><img src="image" alt="TMJ nose rest" /></td>
<td>TMJ nose rest</td>
</tr>
<tr>
<td><img src="image" alt="Standard bite block" /></td>
<td>Standard bite block</td>
</tr>
<tr>
<td><img src="image" alt="Bite block for edentulous patients" /></td>
<td>Bite block for edentulous patients</td>
</tr>
<tr>
<td><img src="image" alt="Single use sheaths for bite block" /></td>
<td>Single use sheaths for bite block</td>
</tr>
</tbody>
</table>
Positioning Panel
The positioning panel is a console that enables you to correctly position and align a patient before you acquire an image.

Figure 2–4  Unit Positioning Panel

1 Height Adjustment button: Adjusts the height of the unit to the height of the patient.
2 Ready Indicator LED: Green indicates that the unit is ready for acquisition.
3 Frontal head rest adjustment knob: Positions the up or down inclination of the patient head by turning the knob.
X-Ray Remote Control Overview

The x-ray remote control enables you to launch a radiological image acquisition via the exposure button from outside the x-ray room. You must press and hold the exposure button until the end of acquisition. Premature release of the exposure button interrupts the acquisition.

Figure 2-5   X-Ray Remote Control

1  Exposure button: launches image acquisition.
Chapter 3
CS 8100 PACKAGING

Standard Packaging

When unpacking the boxes, ensure that you received the following components.

- Column assembly components (A)
- Head assembly components (B)
- Head and chin rest components (C)
- Installation kit, accessories kit, documentation (D)
- Column accessories (E)
Table 3–1  Head Assembly Components

<table>
<thead>
<tr>
<th>Box</th>
<th>Content</th>
<th>Dimension (mm)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>System column</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(B)</td>
<td>System head</td>
<td>755 mm (D) x 1600 mm (L) x 860 mm (H)</td>
<td>± 80 kg</td>
</tr>
<tr>
<td>(B)</td>
<td>Head top cover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(C)</td>
<td>Head and chin rest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(D)</td>
<td>Installation Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(D)</td>
<td>Accessories Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(E)</td>
<td>Column front cover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(E)</td>
<td>Column rear cover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(E)</td>
<td>Mounting bracket</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Column Assembly Components (Box A)

Table 3–2  Box A

<table>
<thead>
<tr>
<th>Content</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column assembly</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Head Assembly Components (Box B)

Table 3–3  Box B

<table>
<thead>
<tr>
<th>Content</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>System head</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Head top cover</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
Head and Chin Rest (Box C)

Table 3–4  Box C

<table>
<thead>
<tr>
<th>Content</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head and chin rest</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Installation Kit, Accessories Kit, Documentation (Box D)

Box D is divided into 3 compartments:

- D1: Accessories kit
- D2: Installation kit
- D3: Documentation

Table 3–5  Box D

<table>
<thead>
<tr>
<th>Content</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box D1</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Panoramic chin rest" /></td>
<td>Panoramic chin rest</td>
</tr>
<tr>
<td><img src="image" alt="Sinus chin rest" /></td>
<td>Sinus chin rest</td>
</tr>
<tr>
<td><img src="image" alt="TMJ nose rest" /></td>
<td>TMJ nose rest</td>
</tr>
<tr>
<td><img src="image" alt="Standard bite block" /></td>
<td>Standard bite block (x5)</td>
</tr>
<tr>
<td><img src="image" alt="Bite block for edentulous patients" /></td>
<td>Bite block for edentulous patients (x2)</td>
</tr>
<tr>
<td>Content</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td>Single use sheaths for bite block</td>
</tr>
<tr>
<td>Box D2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Screws</td>
</tr>
<tr>
<td></td>
<td>Exposure switch</td>
</tr>
<tr>
<td>Box D3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Others (CD ROM)</td>
</tr>
</tbody>
</table>

**Column Accessories (Box E)**

**Table 3–6  Box E**

<table>
<thead>
<tr>
<th>Content</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Column front cover</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Column rear cover</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Mounting bracket</td>
<td>1</td>
</tr>
</tbody>
</table>
Chapter 4
SITE PREPARATION BEFORE INSTALLATION

**IMPORTANT**
Prior to placing the order and before installation, carefully check the following requirements for the x-ray room.

**Standard Compliance**
Install the system in an x-ray room compliant with all official regulations applicable to protection against radiation.

**Environmental Requirements**
Check the following ambient operating condition requirements of the x-ray room before installing the system:

- **Temperatures**: 5 ~ 35 °C
- **Relative humidity**: 30 ~ 85%
- **Atmospheric pressure**: 700 ~ 1060 hpa
Unit Dimensions

The unit dimensions illustrated in the above figure are as follows:

- Maximum height of the system (2196 mm)
- Minimum (1062.5 mm) and maximum (1662.5 mm) height of the chin rest
- Depth (1104 mm)

**WARNING**

If you need to add a base plate you must add 12.5 mm to the height of the system.
Electrical Requirements

**WARNING**

You MUST select the operating voltage when placing an order. The operating voltage CANNOT be modified on site.

The system can operate at:

- 100 V - 130 V - 50 Hz/60 Hz
- 220 V - 230 V - 50 Hz/60 Hz

<table>
<thead>
<tr>
<th>Nominal voltage * (no load)</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Maximum line current</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 V - 130 V - 50 Hz/60 Hz</td>
<td>90 V</td>
<td>143 V</td>
<td>20 A</td>
</tr>
<tr>
<td>220 V - 230 V - 50Hz/60 Hz</td>
<td>198 V</td>
<td>264 V</td>
<td>10 A</td>
</tr>
</tbody>
</table>

**CAUTION**

The power supply cable must be equipped with a connection box that ensures constant connection. This ensures that it is not possible to disconnect the system from power supply without using tools. The system must be protected against any accidental disconnection.

If other systems are installed on the same line, interference and voltage fluctuations can cause the radiological system to operate abnormally. We strongly recommend that a separate electrical line be dedicated to supply power to the CS 8100.

This line should be protected by a circuit breaker with a maximum current of:

- 16 A at 230/240 V
- 20 A at 110/130 V
- A differential circuit breaker of 30 mA
Figure 4–1 Electrical Diagram of the X-ray Room and the System Connections

1. General mains
2. Differential circuit breaker
3. Red color actuator emergency stop push-button
4. Red color actuator emergency stop push-button
5. Red warning lamp, power ON indicator
6. System mains connecting terminal
7. Green warning lamp, ready state indicator
7bis. X-ray warning lamp connecting terminal
8. Column connecting terminals
9. X-ray remote control
10. Door safety switch
11. Mains outlet (for electric tools)
12. Ethernet outlet (RJ45/1)
13. Contactor
A single-phase alternating current power supply is required. The electrical installation specifications should be as follows:

### Table 4–2 Electrical Installation Specifications

<table>
<thead>
<tr>
<th>Supply Voltage</th>
<th>220 V - 230 V</th>
<th>100 V - 130 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Electrical supply</td>
<td>6 kW</td>
<td>6 kW</td>
</tr>
<tr>
<td>Line current required</td>
<td>16 A</td>
<td>20 A</td>
</tr>
<tr>
<td>Cable cross-section according to length</td>
<td>For 30 m: 2.5 mm²</td>
<td>For 10 m: 2.5 mm²</td>
</tr>
<tr>
<td>Max. line impedance</td>
<td>0.5</td>
<td>0.12</td>
</tr>
<tr>
<td>Differential circuit breaker (2)</td>
<td>30 mA</td>
<td>30 mA</td>
</tr>
<tr>
<td>Maximum current to tripping circuit breaker</td>
<td>16 A</td>
<td>20 A</td>
</tr>
<tr>
<td>Specifications of 2 red color actuator emergency stop push-button (3) and (4)</td>
<td>250 V 5 A UL listed</td>
<td>250 V 5 A UL listed</td>
</tr>
<tr>
<td>Specifications of the warning lamps (5) and (7)</td>
<td>60 W</td>
<td>60 W</td>
</tr>
<tr>
<td>Contactor (13)</td>
<td>16 A - 250 V UL listed</td>
<td>20 A - 250 V UL listed</td>
</tr>
<tr>
<td>Door Safety Switch (10)</td>
<td>1 A / 250 V</td>
<td>1 A / 130 V</td>
</tr>
</tbody>
</table>

- Install these stop push-buttons to simultaneously switch off the current to the active conductors of the radiological installation and exclude any other electric equipment.
- Locate (3) inside the X-ray room, near the system, for the operator, if necessary, to quickly cut the power supply.
- Locate (4) outside the X-ray room, near the X-ray remote control, for the operator, if necessary, to quickly cut the power supply.
- Maintain them in OFF (open) position until a deliberate action is performed.

- Locate the red warning lamp (5) outside the X-ray room to indicate the system is active (1 lamp at each access point).
- Locate the green warning lamp (7) outside the X-ray room to indicate the ready state of the system for acquisition.

Optionally, connect the door safety switch (9) that deactivates the X-ray remote control if the door remains open.
X-Ray Room Requirement

**IMPORTANT**

Use an appropriate wall fixing system suitable for the type of wall construction. See the examples below.

The following illustrations provide examples of wall types and fixations.

![Illustrations of wall types and fixations](image)

<table>
<thead>
<tr>
<th>Room Components</th>
<th>Minimum Requirement</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width of the door</td>
<td>75 cm (30”)</td>
<td></td>
</tr>
<tr>
<td>Height of the ceiling</td>
<td>240 cm (95”)</td>
<td>If needed, it is possible to lower the height of the system.</td>
</tr>
<tr>
<td>Strength of the wall</td>
<td>Withstanding an extraction force of 150 kPa at each point of attachment.</td>
<td>It is the responsibility of the installer to choose an appropriate fixing system that withstands the extraction force.</td>
</tr>
<tr>
<td>Load-bearing capacity of the floor</td>
<td>500 kg/m2</td>
<td>The floor must be solid and flat.</td>
</tr>
<tr>
<td>Required space for the CS 8100</td>
<td>1200 (L) x 1400 (D) x 2400 (H) mm</td>
<td></td>
</tr>
</tbody>
</table>

**IMPORTANT**

Install the system where a minimum amount of space is provided to allow easy access for the patient or the maintenance technician (see Figure 4-2).
WARNING

You MUST prepare the appropriate electrical requirements and configurations of the x-ray room before installing the unit. You MUST locate separately the following low voltage and high voltage connections:
- Low Voltage: (12 & 12bis), (9), (10)
- High Voltage: (6), (5), (7bis)

---

3 Red color actuator emergency stop push-button
4 Red color actuator emergency stop push-button
5 Red warning lamp, power ON indicator
6 Unit mains connecting terminal
7 Green warning lamp, ready state indicator
7bis X-Ray warning lamp connecting terminal
9 X-ray remote control
10 Door safety switch
11 Mains outlet (for electrical tools)
12 Ethernet min Class 5E outlet (RJ45/1)
13 Local Area Network (LAN), (RJ45/2)
Computer System Requirements

The CS 8100 and CS 8100 Access Minimum Computer System Requirements is posted on the Trophy technician site as a separate document with an edition number.

Before you intervene on a client site, see the Trophy technician website for the latest edition of the document.

**IMPORTANT**

It is MANDATORY to check that the computer system configuration is compatible with the computer system requirements for the CS 8100 and CS 8100 Access software. If necessary you MUST update your computer system configuration. The CS 8100 and CS 8100 Access MUST be connected to the computer via a point-to-point Ethernet link and not via a LAN.
Chapter 5
Preparing The Unit Acquisition System

Installing the Ethernet Boards in the Computer

Before installing the Ethernet boards in the computer, check that the computer is:

- Switched off.
-Disconnected from the mains power supply.

To install the Ethernet boards in the computer, follow these steps:

1. Install a 1 Gbits Ethernet board* (A) in an unoccupied slot.

*Not supplied
2. Connect the following Ethernet cables:
   - The Ethernet “System” cable (A) to the Ethernet (1 GB) connector.
   - The LAN connection is optional.

3. Reboot the computer. Wait for Windows to detect the presence of new boards.

4. Install the Ethernet board driver provided with the board.
   You can now proceed with the installation of the Imaging Software.
Installing the KODAK Dental Imaging Software and Acquisition Interface

Before installing the KODAK Dental Imaging Software, check that:

- The computer has all the PC system requirements
- You have the software CD

To install the KODAK Dental Imaging Software, follow these steps:

1. Insert the software CD in the CD-ROM drive of the computer.

   Wait for the installation program to start. If the program does not start automatically, click **Start > Run** and enter `D:\setup.exe` if D is the letter for the CD-ROM drive, or the letter of the relevant drive on the computer.

2. The **Choose Setup Language** dialog box is displayed. Select the installation language and click **OK**.

3. The **Imaging Software** welcome page and the **InstallShield wizard** are displayed.
4. The **Welcome to Kodak Dental Imaging Software Installation** dialog box is displayed. Click **Next** to launch the installation.

5. The **License Agreement** dialog box is displayed. Accept and click **Yes**.

6. The **Choose Destination Location** dialog box is displayed. Click **Next** if you accept the default destination folder or browse to choose another destination folder.

7. The **Kodak Dental Imaging Software** dialog box is displayed. The **Patient file** is selected by default but you must select the radiological unit.
8. To select the desired radiological unit, do the following:
   - Click on the drop-down list of **No Pano/Ceph Installation** and select **CS8100 Panoramic**.
   - Check that you have made the right selections.
   - Click **Next** to begin the installation.

9. The **CS 8100** installation wizard launches the installation procedure.
If the firewall is active, the **Windows Security Alert** dialog box is displayed. Click **Unblock**.

10. The **KODAK Dental Imaging Software** dialog box is displayed. Click **Yes, I want to restart my computer now** and click **Finish**.

11. The **Windows Firewall** window is displayed. Click **Off (not recommended)**. Click **OK**.
12. Double-click ![launch_icon] to open the **Patient window**.

![Patient window]

13. Create a patient record. From the toolbar, click ![toolbar_icon] and enter the required patient information. Click ![Imaging_icon] to access the **Imaging window**.

14. The **Enter the licence number** dialog box is displayed. Enter the licence number and click **Validate** if you have the licence number or click **Cancel** to continue.
Chapter 6
INSTALLING THE UNIT

Tool Requirements
The installer must supply the following tools:

- Power drill
- Screws and heavy duty fixings
- Spirit level
- Measuring tape
- Cutter
- Metric Allen keys
- Metric spanners

**IMPORTANT**
The tool references mentioned in this manual are ISO tool references.

Technical Staff Requirements
The installation requires the following number of technicians:

<table>
<thead>
<tr>
<th>System Component</th>
<th>Technicians</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head</td>
<td>1</td>
</tr>
<tr>
<td>Column</td>
<td>1</td>
</tr>
</tbody>
</table>
Installing the UNIT

Before installing the unit, check that you have:

- All the necessary tools
- All the cables
- All the switches

Installing the Column

To install the column, follow these steps:

1. Take the column out of the box, taking care not to trap any cables between the column and the floor. Place the column on the floor in a horizontal position.

2. Place the mounting bracket (A) inside the column and fix it to the column using 2 screws.
3. Lift the column up vertically and hold it against the wall. The mounting bracket must be placed flat against the wall. Mark the position of the fixing holes for the mounting bracket on the wall. Move the column aside and drill the holes.

4. Install the wall fixing system (B) into the drilled holes.

**IMPORTANT**

To ensure that the column is firmly fixed to the wall, you MUST use the appropriate wall fixing system that is suitable for the type of wall construction.

5. Re-position the column against the wall and place the mounting bracket into the bolts of the wall fixing system but do not fit the nuts.

6. Mark the position of the fixing holes (C) of the base plate on the floor. Move the column aside and drill the holes.
7. Check that the column is evenly positioned by placing a spirit level horizontally and vertically (D).

**IMPORTANT**

If the floor is uneven, place the rubber mat (E) under the base plate before you fix it to the floor.

8. Screw and fix the base plate (F) to the floor. Screw and fix the mounting brackets (G) securely to the wall.

9. Fit the column space fillers (H).

The column is ready for the system head attachment.
Installing the Head

To install the head, follow these steps:

1. Take the head out from the box and place it on the floor (A). Remove the head cover.

2. Place the empty box in front of the column (B) and turn it up vertically (C).

3. Grab the top and bottom end of the head, lift it up from the floor, and place it on the empty box.

4. Pull out the packaging foam (D).

5. Push the box, with the head on it, towards the column.

6. Mount and position the head on the hook of the column sliding system (E). Screw and tighten the 2 upper screws with washers.

**WARNING**

Pay attention to the cables as you mount and position the head. Ensure that they are free from trap and tangle.
7. Remove the transport security pin.

8. Rotate the system rotating arm by hand to have access to the screw located under the system head. Screw and tighten it (E).

9. Check that the head is correctly positioned using a spirit level.

10. Connect the Ethernet cable to the Ethernet coupler. Connect the Ethernet cable from the J3 connector to the other side of the Ethernet coupler.

11. Connect the following cables:

<table>
<thead>
<tr>
<th>Cable ...</th>
<th>To connector ...</th>
<th>On the ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet (A)</td>
<td>J3</td>
<td>Sensor control board (CJ852)</td>
</tr>
<tr>
<td>Column resistive track (B)</td>
<td>J7</td>
<td>Motor board (CJ856)</td>
</tr>
<tr>
<td>Column actuator (C)</td>
<td>J4</td>
<td>Motor board (CJ856)</td>
</tr>
<tr>
<td>Warning lamp (D)</td>
<td>J8</td>
<td>PFC board (JZ036)</td>
</tr>
<tr>
<td>Exposure switch (E)</td>
<td>J1</td>
<td>PFC board (JZ036)</td>
</tr>
</tbody>
</table>
12. Put feed-through sleeves around the Ethernet cable and the exposure cable and push them into the feed-through hole at the top back of the head to stop them from sliding down.

13. Tie the cables to the connecting box at the base of the head using cable ties.
Installing the Head and Chin Rest

1. Remove the hatch (A).

2. Fit the head and chin rest to the plate using the 3 screws (B) but do not tighten the screws.

3. Connect the control panel cable (C) and tighten the 3 screws (B).

4. Push the control panel cable well into the top of the head and chin rest. This will prevent the control panel cable from getting trapped when you replace the hatch.

5. Replace the hatch.
Fitting the covers

1. Slide the back column cover (A) into the mounting drains and screw it in.

   **IMPORTANT**
   Make sure that the ethernet cable and the exposure cable comes out through the opening on one side of the back column cover opening. The power cable comes out from the opening on the other side.

2. Slide the front column cover (B) into the mounting drains and screw it in.

3. Fit the top head cover (C) and screw it in.

4. Connect the power supply cable to the power source and press on the positioning panel to check if the head moves up or down correctly.

   **CAUTION**
   The power supply cable must be equipped with a connection box that ensures constant connection. This ensures that it is not possible to disconnect the system from power supply without using tools. The system must be protected against any accidental disconnection.

   **WARNING**
   The cables that are connected to the head follow the up or down movement of the head. To protect them from physical damage, make sure that they are free from trap and tangle.

The system is ready for post-installation control.
Post-Installation Control

Before post-installation control, check that:

- The installation of the unit is complete.
- The installation of the imaging software is complete.
- You have the test tools.
- The unit and the computer is on.

To execute post-installation control tasks, follow these steps:

1. On your desktop, double-click . The CS 8100 Technician Tools window is displayed.

2. Insert the USB key which contains the embedded password into your computer.

3. Click here.

The CS 8100 Technician Access window is displayed:
4. Enter the login name and password that was given to you at the end of your CS 8100 training and click **Connect**.

5. If the following dialog box appears, make sure that you have inserted the USB key and log in again:

![Error dialog box](image)

**NOTE**
If you do not have the embedded password in a USB key, you can download it from the technician website.

The main **CS 8100 Technician Tools** window is displayed.

![CS 8100 Technician Tools window](image)
6. In the left pane, click **Post installation procedure**.

The **Post Installation Procedure** window is displayed.

7. Read and implement the instructions and the warning that are displayed.

8. Click **Start** and follow the on-screen instructions.
Chapter 7
Maintenance

Annual Maintenance
We recommend that a general inspection of the system should be carried out every year by an approved dental systems technician.

The inspection should cover the following points:

- Check the attachment points to the floor and the wall.
- Check all the mobile components of the system.
- Check the X-ray generator.
- Make an image acquisition with the test tools and check the image.
- Check the focal trough and the symmetry.
- Check the degree of legibility of the labels.
- Check for damage to cables, covers, oil leaks, etc.

If the results of any of these inspections are unsatisfactory, see the *CS 8100 and CS 8100 Access Service Guide (SM787)*, in order to rectify any problems.

If you have any doubts, do not operate the system.