

PreXion3D Explorer EX Pre-Installation Survey Form

Customer Name: _____ Distributor: _____
 Customer's Address: _____ Date: _____
 _____ Telephone: _____

- 1) Preferred installation dates: _____
- 2) Preferred training dates: _____
- 3) On which floor is your office located? _____
 If the office is not on the ground floor, does the building have an elevator? Yes ☐ No ☐
- 4) Is there a 110V / 15 amp medical grade power outlet in the designated scanner room? Yes ☐ No ☐
- 5) Is there Internet connection available in the office?¹ Yes ☐ No ☐
- 6) Is there an active Ethernet port where the dedicated PreXion server will be?² Yes ☐ No ☐
- 7) Where will the dedicated PreXion server be placed?³
 _____ (____ ft) away from the scanner post.
 Is there a wall or drop ceiling that the cables will be going through?⁴ Yes ☐ No ☐
- 8) Is there an existing X-ray system in the scanner room or on the same power plug?⁵ Yes ☐ No ☐
- 9) Will the scanner be install with a free standing stand or mounted to the floor?⁶ Stand ☐ Floor ☐
- 10) Please send pictures of the scanner room and critical points in the building to dentalsupport@prexion.com.
- 11) Please draw the floor plan of the scanner room. Notate where the scanner and servers are on the last page of document.

¹ An active internet connection is needed for remote technical support.

² An active Ethernet port is needed so that your remote computers in the office can view the PreXion scans.

³ The default cable length is 49ft. Please have a desk ready or any wall mounts installed prior to your installation date. Wall mounting of monitor/keyboard must be done prior to the installation.

⁴ If there are is a cable run required, a conduit must be put in prior to the installation from the scanner room to PC.

⁵ It is very important that the power line for the scanner is not shared with any other high powered devices. If there is an existing system in the same room that needs to be removed, please make sure it is removed prior to your installation date.

⁶ A contractor is required to verify the building structure, floor and wall to verify that it meets requirements for a floor mount installation.

Customer is responsible for following all local health department regulations for x-ray planning and shielding
A signed copy of this form must be submitted to dentalsupport@prexion.com in order to confirm installation

NOTES/COMMENTS: _____

 Customer Name (Print)

 Customer Signature

Page 1 of 6

Floor Plan:

CF 0506 Rev. A

[illegible]

PreXion 3D Explorer EX CBCT Scanner Installation Requirements

Power Requirements

Phase	:	1 ϕ (single phase)
Frequency	:	50/60 Hz
Voltage	:	100 - 120 V AC
Input Power	:	1.4 kVA
Circuit Breaker:		15A
Wall Outlet	:	1 dedicated 15 amp medical outlet

Scanner Dimensions

Explorer 2 in 1, CBCT + Pan
34.6" (W) x 49.9" (D) x 88" (H)

Minimum Room Space Required
48" (W) x 62" (D) x 60" (H) [*max H is 88"]

Installation

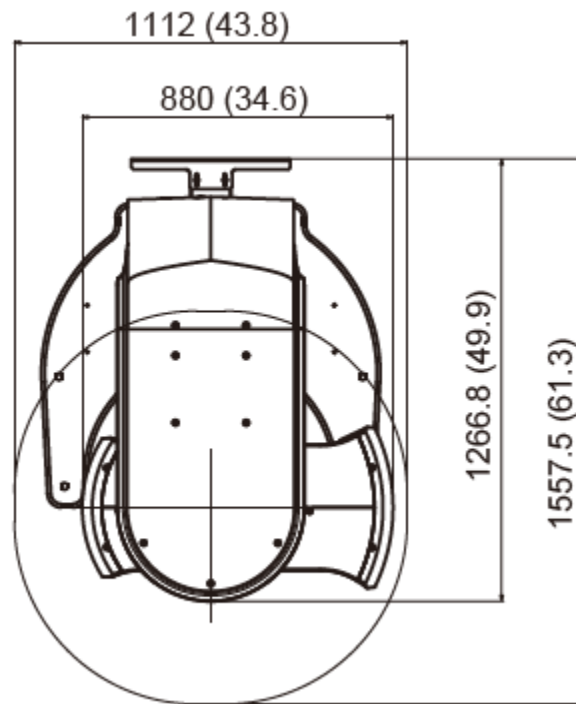
The PreXion3D Explorer EX CBCT Scanner can be installed at almost any location meets the space requirements above. The scanner can be installed by mounting it to the floor and wall or installed on a stand. If the scanner is going to be floor/wall mounted, a contractor is required to verify the building structure, floor and wall to verify that it meets requirements.

This system also comes with one dedicated Dell Precision server, monitor, keyboard, mouse and control station. Please consider having a desk or a wall mount ready for these items. The dedicated server will need an active hardwire network connection where the computer is located.

There are cables going from the back of the scanner to the provided server. The cable length is 49 ft long. Please make sure that the PC will be placed in an area where the cables can be reached. If the cables are going to be put through a conduit, please make sure the conduit is at least 3/4 inch wide.

The customer is responsible for following all local health department regulations for x-ray planning and shielding

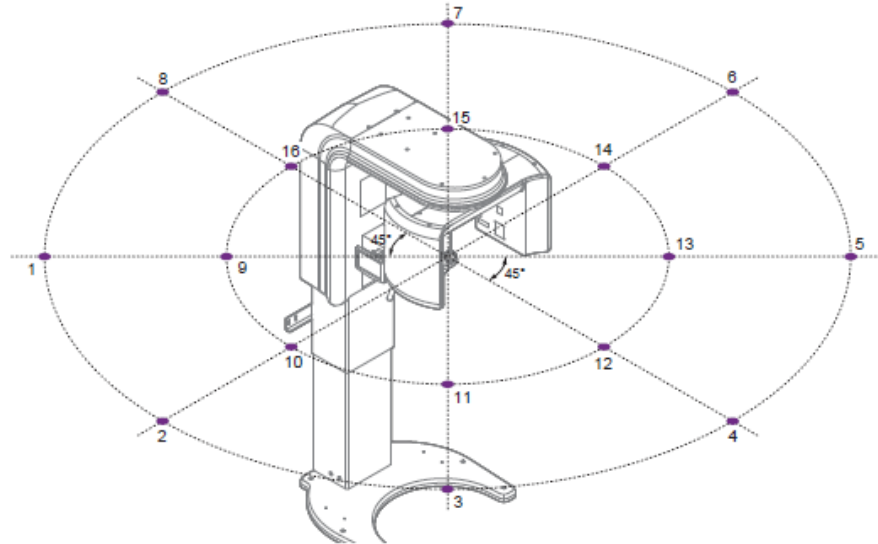
PreXion 3D Explorer EX CBCT Schematic



PreXion3D Explorer EX Stray Radiation Diagram

The X-ray dose becomes maximum when you select the high definition mode (Face, Large Adult) via CT scan.

Under that condition, the doses of the 16 spots are shown below, which are obtained at the same height with the focus position of X-ray tube and centered by the chin rest position with the radius of both 1 m and 2 m.



Measuring position	Dose [μGy]	Dose/mAs [$\mu\text{Gy/mAs}$]
No.1	3.86	0.048
No.2	3.62	0.045
No.3	3.04	0.038
No.4	2.8	0.035
No.5	3.02	0.038
No.6	3.29	0.041
No.7	3.86	0.048
No.8	0.31	0.004
No.9	16.75	0.209
No.10	13.05	0.163
No.11	13.83	0.173
No.12	12.6	0.158
No.13	12.16	0.152
No.14	12.84	0.16
No.15	15.39	0.192
No.16	0.43	0.005

PreXion3D Explorer EX Wiring Diagram

