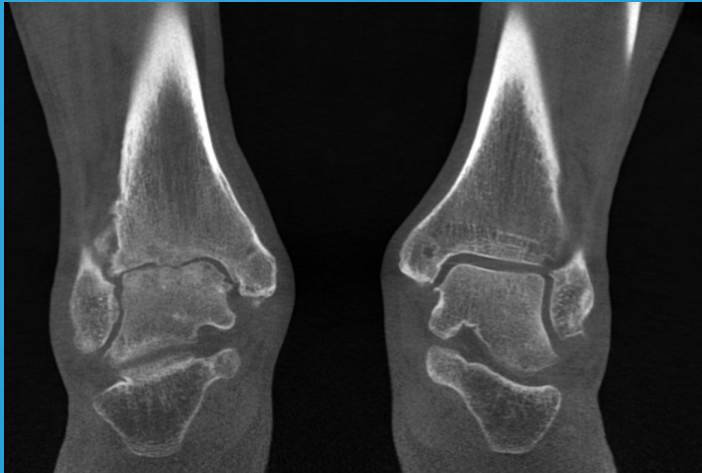


BILATERAL WEIGHT BEARING CT IMAGING FOR FOOT & ANKLE



CurveBeam
pedCAT[™]
premium

MORE WEIGHT.



0.3mm slices provide vivid detail



X-Ray views are automatically generated from the CT scan in CubeVue, CurveBeam's custom visualization software.

LARGEST FIELD-OF-VIEW IN ITS CLASS

Capture both entire feet & ankles in a single scan

STATE-OF-THE-ART VISUALIZATION

DICOM/PACS COMPATIBLE

LOW RADIATION

FITS ANYWHERE

STANDARD BILLING

Bilateral, true weight bearing CT scans of the foot & ankle allow physicians to assess the biomechanical spatial relationships and alignment of the lower extremities.

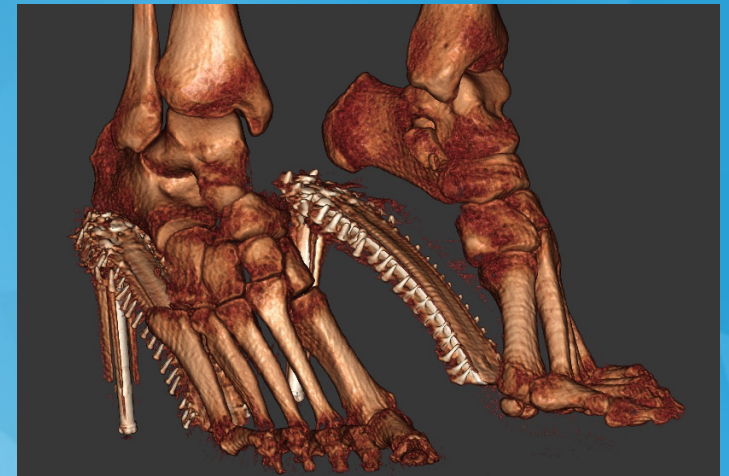
Cone beam CT technology employs a wide cone shaped beam, and therefore only needs to make a single 360-degree rotation to capture the entire anatomy.

LESS WAIT.

21 seconds for a partial foot scan
25 seconds for a bilateral scan



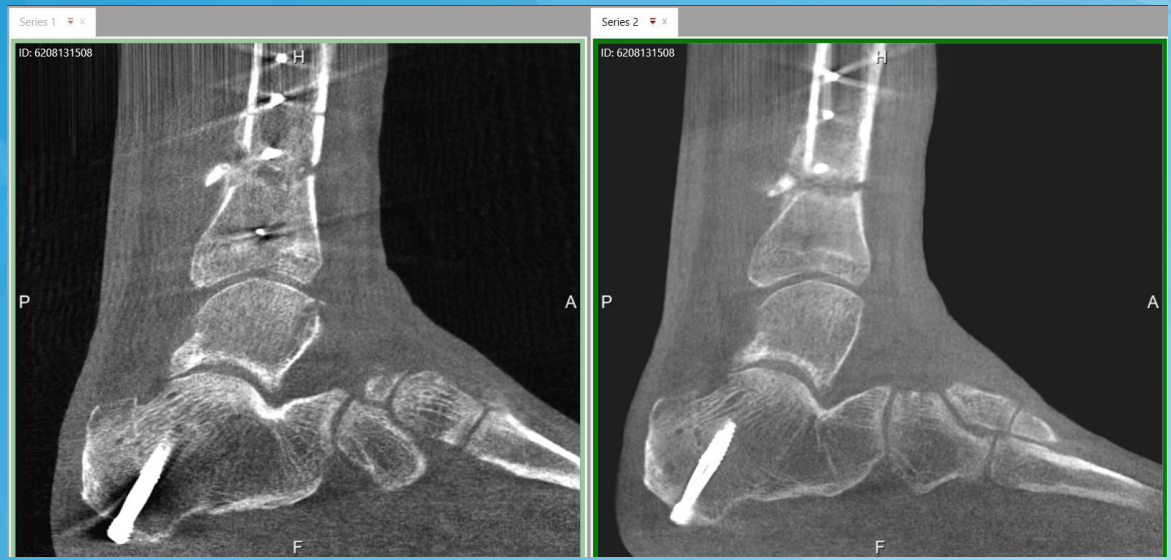
Capture digital radiographs for select views.



Dynamic 3D Renderings are created in CubeVue, CurveBeam's custom visualization software.

PRECISE IMAGING

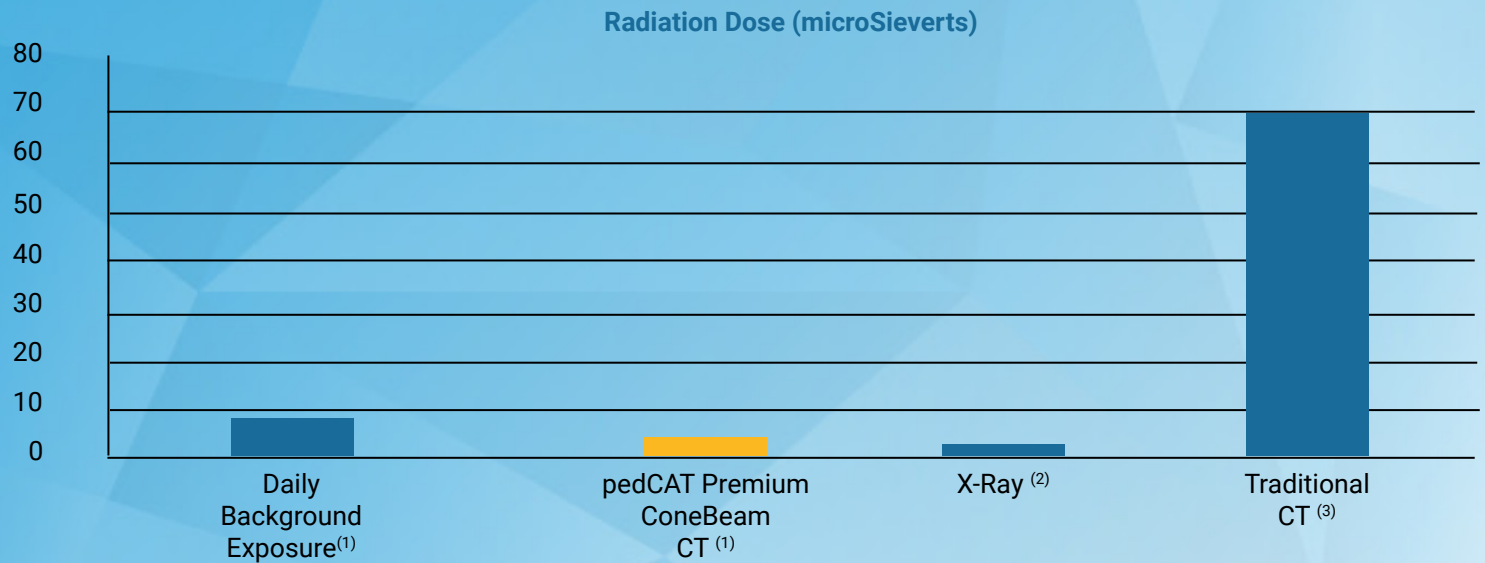
CurveBeam's proprietary Metal Artefact Reduction (MAR) algorithm employs a high density filter, which enables more authentic reconstructions in the vicinity of metal hardware.



Comparison of a patient scan prior to MAR being applied (left) and after (right).

LOW DOSE

A pedCAT Premium bilateral foot & ankle scan is equivalent to about 9 hours of daily background radiation.



UPGRADE READY.

The pedCAT Premium is equipped to expand to a LineUP system with minimal modifications, and knee and upper extremity protocols can be activated as needed.

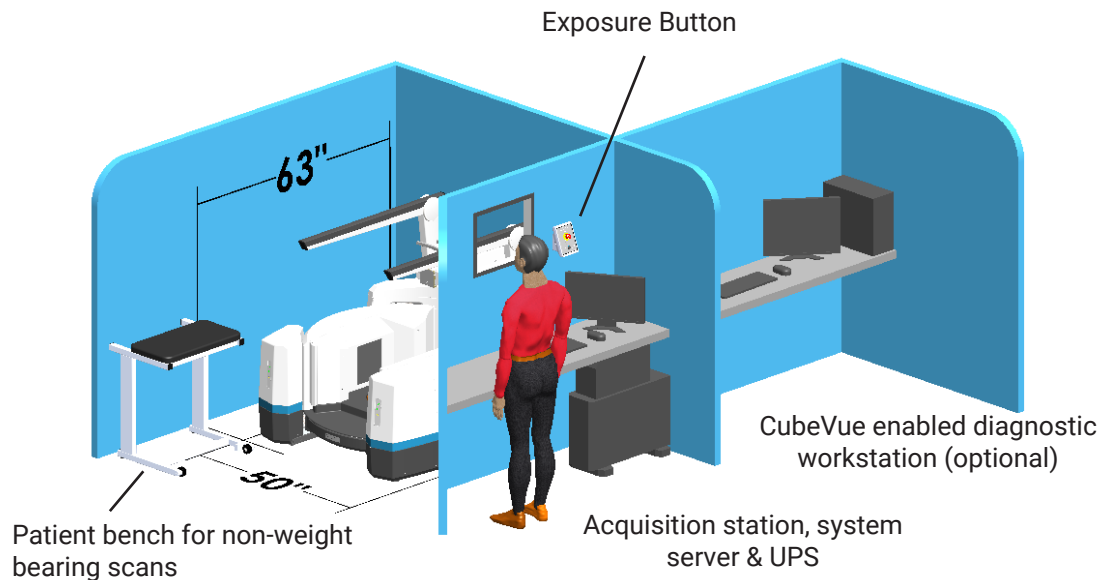


Scan the knees in bilateral, weight bearing position.



Scan the hand and elbow with the multi-extremity positioner.

FITS ANYWHERE



- Small footprint - 48" x 58"
- Minimal shielding
- Standard 115VAC (220 VAC international) outlet
- No extra heating or cooling required

Podiatric Office
Orthopedic Office
Imaging Center
Ambulatory Surgery Center
Hospital/ ED

Technical Specifications	
3D Imaging Volume	20cm (height) x 35cm (diameter) and smaller
Resolution	0.25mm - 0.3mm voxel sizes
Procedure Time	21-25 seconds
Max Exposure Time	8.7 seconds
Tube Voltage	100-120 kVp
Tube Current	5 mA
Image Detector	CMOS flat panel
Gray Scale	16 bit
Dimensions	4ft (h) x 4ft (w) x 5ft (d)
Patient Weight Limit	400lbs (181kg)
System Weight	750lbs 750 (340 kg)
Power Requirements	115/220 VAC

Approvals
 US FDA 510(k)
 Health Canada
 CE Marking
 Australia TGA

US Reimbursement
 CPT Code 73700 -
 CT lower extremity
 without contrast



Post-Operative Fusion Assessment

About **CurveBeam**

CurveBeam designs and manufactures Cone Beam CT imaging equipment for the orthopedic and podiatric specialties. CurveBeam was founded in 2009 and is privately owned and operated.

CurveBeam's corporate office is located in Hatfield, Pennsylvania, USA. All CurveBeam systems are designed and manufactured in the USA. CurveBeam's Europe office is located in London, United Kingdom.

The core team behind CurveBeam developed and pioneered the first commercially viable Cone Beam CT imaging systems for the dental/maxillofacial specialties starting in 2003.

In 2012, CurveBeam introduced the pedCAT, a bilateral weight bearing CT imaging system for the foot & ankle. In 2017, CurveBeam's InReach system, a multi-extremity CT device optimized for hand, wrist & elbow imaging, was cleared by the FDA. In 2018 CurveBeam's LineUP device, a weight bearing multi-extremity CT, for imaging of the foot, ankle, and knee as well as hand & elbow, was cleared by the FDA.



International WBCT Society

CurveBeam is a proud sponsor of the International Weight Bearing CT Society, an independent research organization dedicated to promoting dialogue and collaboration on Weight Bearing CT research initiatives. This group is working to create standardized protocols for Weight Bearing CT anatomical measurements and analysis.

For more information, upcoming meeting locations, or to apply for membership please visit <https://www.wbctsociety.org>.



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(1) Ludlow, J. "Hand-wrist, Knee and Foot-ankle Dosimetry and Image Quality Measurements of a Novel Extremity Imaging Unit Providing CBCT and 2D Imaging Options." Draft Version 1/18/2018
(2) RSNA; Radiologyinfo.org/en/info.cfm?pg=safety-xray
(3) Biswas Debdut et al, Radiation Exposure from Musculoskeletal Computerized Tomographic Scans, Journal of Bone & Joint Surgery, Vol. 91-A, No. 8, August, 2009



Bilateral Weight Bearing CT
Imaging for Foot & Ankle