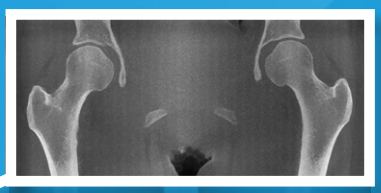
CurveBeam HiRise™

**The HiRise™ is investigational only and is not available for sale.*

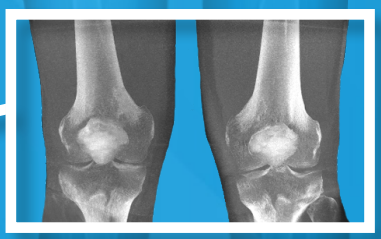
Introducing the Next Level of Weight Bearing CT Imaging

CurveBeam is proud to unveil the next level of weight bearing CT imaging, which will have the unique capability of scanning the hip and pelvis in a weight bearing position.

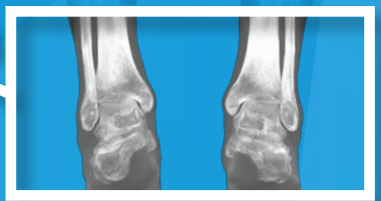
With the HiRise™*, musculoskeletal radiologists and orthopedic specialists will be able to assess alignment of the entire lower extremities in three dimensions.



Assess total leg alignment with 0.3mm slices.



Review joint space in three dimensions.



Bilateral weight bearing foot scans allow for more accurate diagnosis.

2800 Bronze Drive Suite #110, Hatfield, PA 19440 | 267.483.8081 | info@curvebeam.com | www.curvebeam.com

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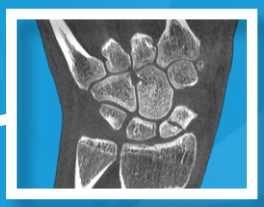
The Longest Range in Any Weight Bearing CT System

The HiRise's™ flexible gantry can be easily positioned to scan the upper extremities.



Rotate the gantry to vertical orientation to facilitate scans of the hand, wrist and elbow as well as non-weight bearing feet, ankles and knees.

Lower the gantry for patients who are restricted to a wheelchair or unable to stand.

The HiRise's™ chair accommodates patients up to 450 pounds (205 kg), and has been thoughtfully designed for easy maneuvering and compact storage.

"Weight bearing CT of the joints can provide important new clinical information in musculoskeletal radiology."

- Tuomeninen et al, American Journal of Roentgenology

Learn more about CurveBeam's portfolio of weight bearing CT imaging systems at **www.curvebeam.com**

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Specifications

Description	Specification
Body parts scanned	Upper extremities, lower extremities, hip & pelvis
Shielding	System covers lined with .38mm lead; included attachments reduce patient dose
Software	CubeVue Visualization Software; PACS/DICOM Compliant
Reconstruction features	Metal artefact reduction, Motion correction, Composition-based scatter correction
CBCT scan time*	26 sec
CBCT procedure time (Defined as patient enters to patient exits)	Foot/Feet (Gantry at bottom position): 61 sec. Knees (Gantry at an elevated position): 88 sec. Hips (Gantry at an elevated position): 183 sec. Upper Extremity (Gantry in Tilted Position): 61 sec. NWB. Feet, Knees (Gantry in tilted position): 61 sec.
Max Height - Top of FOV/ Center of FOV	48” (121cm)/ 42” (106cm)
Radiation exposure time (based on typical pulse width)	5.76 - 13.5 sec
Reconstruction time	3-5 minutes per volume
Image detector	Amorphous Silicon flat panel
Image gray scale	16 bit
CBCT imaging volume	**Large FOV:** 8” (20cm) height x 16” (40cm) diameter **Medium FOV:** 8” (20cm) height x 10” (25cm) diameter
Typical slice thickness	LFOV: 0.3mm, MFOV: 0.25mm
Dataset file size	300MB - 1200MB
System size: height x depth x width	57”x58”x73” (145cm x 147cm x 185cm)
Weight	Scanner: 750lb (340kg), Patient Chair: 250lb (113kg)
Power requirements	920VA (Standard 120V/230V outlet)
Tube voltage	100 kVp, 120 kVp, 130 kVp
Tube current	5.5 mA, 6.5 mA

*Scan time is defined as the duration in which the exposure button is suppressed and the patient must remain still.

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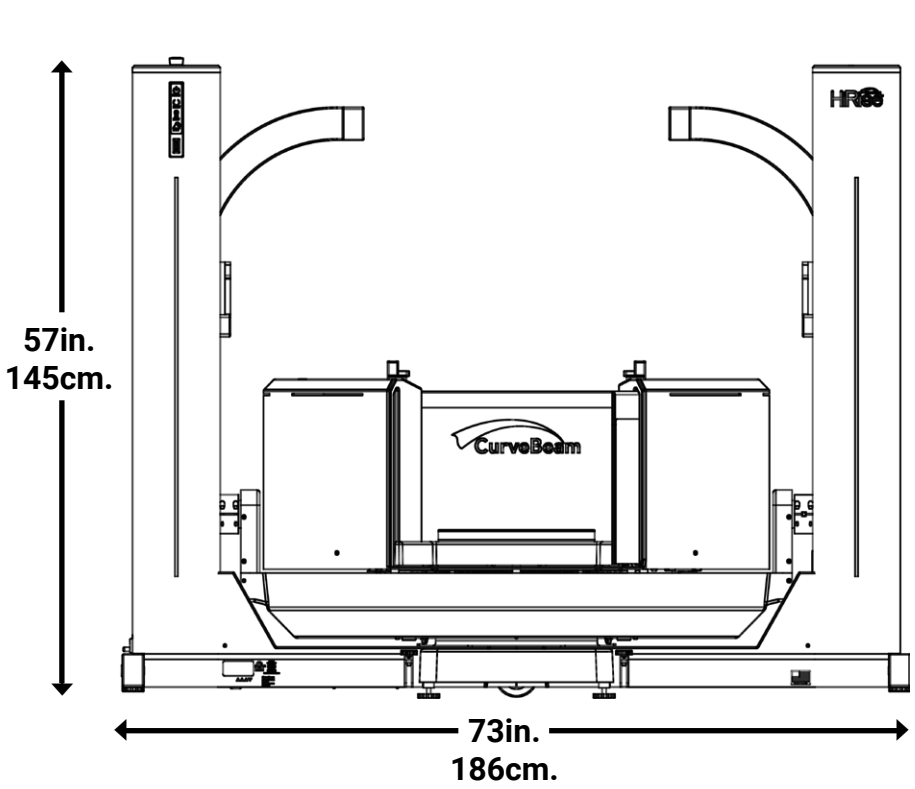
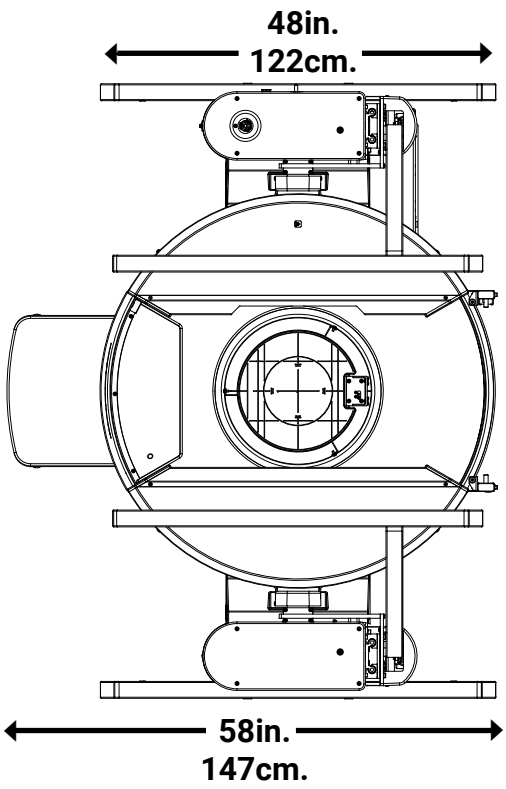
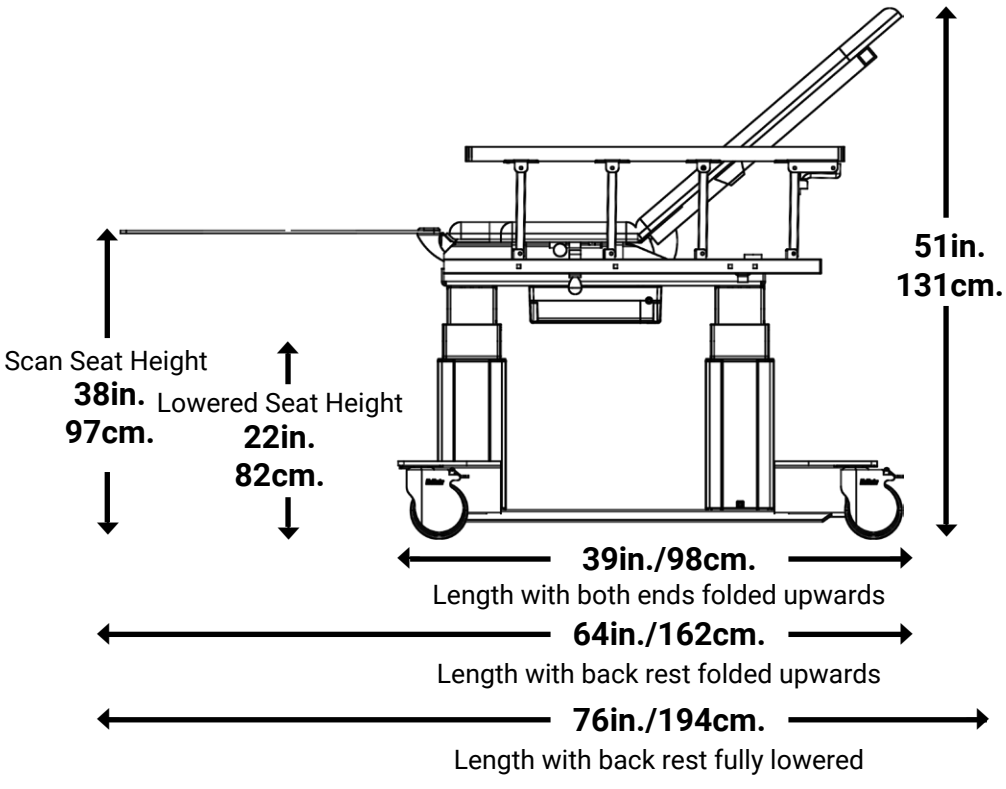
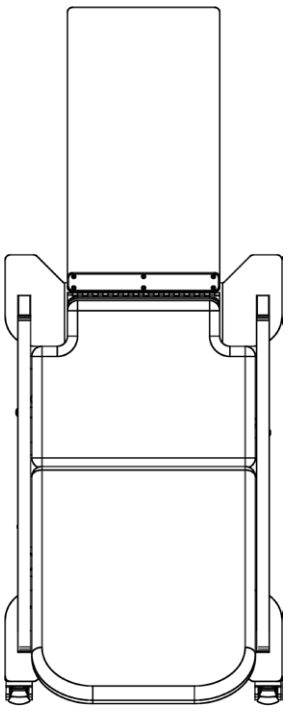
System Dimensions









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