

## The **PARAMETER<sup>®</sup> 3D** Cabinet X-ray System



Multislice radiography  
for exceptional 3D  
tomosynthesis imaging.

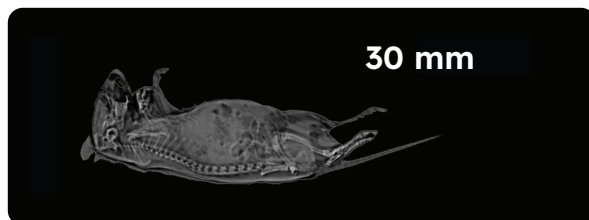
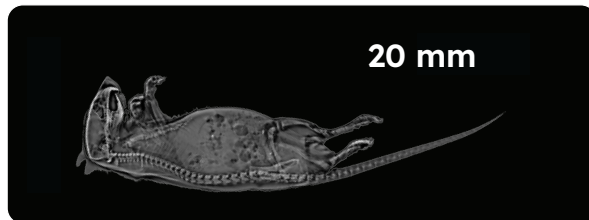
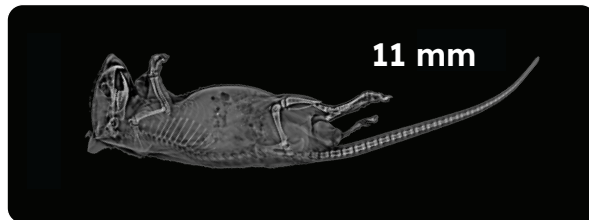
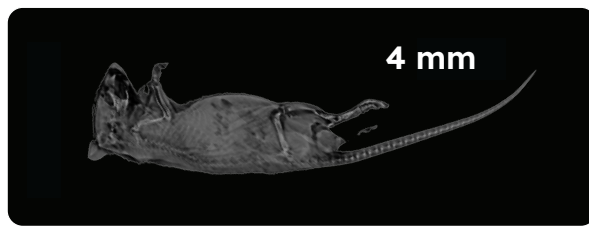


Fig. 1 shows 3D slices of a rodent

The PARAMETER<sup>®</sup> 3D imaging system provides superior resolution for **2D** and **3D** X-ray images using our patented tomosynthesis technology. The 3D tomosynthesis technology constructs **1 mm digital slices** of the sample by acquiring multiple projections at varying degrees. This enables the user to better analyze the structure and offers a clearer view.

Designed specifically for scientific research in small animals, this in vivo system is a versatile solution to many of your research needs. Other applications include agriculture, forensics, and non-destructive testing (NDT).

### PARAMETER 3D Features:

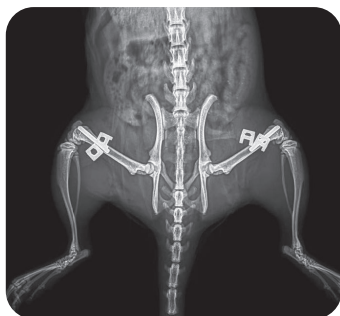
- 2D and 3D X-ray imaging capabilities
- Integrated HD optical camera
- Robust software toolkit for image analysis
- Faster than  $\mu$ CT
- Fully shielded and mobile system for easy transportation
- Compatible with DIGIMUS and DIGISEED analysis softwares.

# The PARAMETER<sup>®</sup> 3D Cabinet X-ray System

*We use the system for tracking de-calcification of our bone samples prior to histological processing; we use the X-ray features for that. We also use the system to track refilling of bone defects in the tibial defects model and femoral defects model.*

-Meghan McGee-Lawrence, Ph.D. Associate Professor, Augusta University

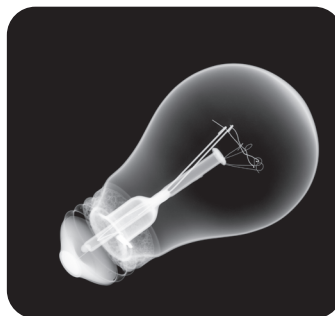
## Life Sciences



## Forensics



## NDT



## Agriculture



Fig 2. shows X-ray images of different applications acquired with PARAMETER 3D



Fig 3. shows a blended image of a human bone

KUBTEC's proprietary **Image Blender™** feature combines X-ray and optical images for a unique view of your region of interest.

## Parameter 3D Specifications

Detector Size	5" x 6" (12 x 15 cm)
Tube Potential	20-50 kV
Exterior Size (W x D x H)	23" x 24" x 54" (58 x 61 x 137 cm)
Weight	300 lbs. (136 kg)
Available Software Packages	DIGICOM Image Acquisition and Analysis, DIGIMUS BMD/BMC and Body Composition; DIGISEED, Counting and Analysis.

**KUBTEC**<sup>®</sup>  
S C I E N T I F I C

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