

*Pro Series*  
**PRODIGY**  
Bone Densitometer



*GE Medical Systems*  
LUNAR

*gemedical.com*

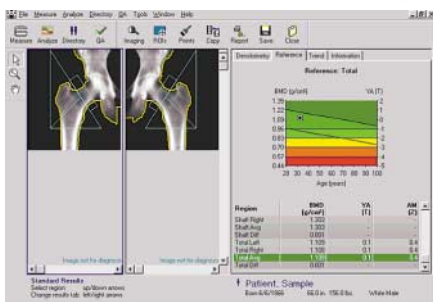
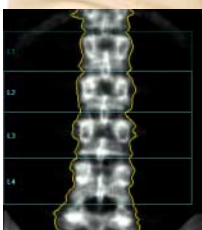
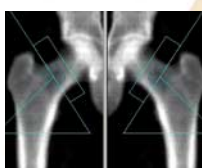
# 4th Generation Fan-Beam

## *For Today – and for the Future*

Prodigy Pro is for customers with a vision of the future – a fan-beam platform that can grow and expand along with your bone densitometry practice. You can upgrade through software to add additional bone density measurements – like vertebral imaging. No new hardware is required.

## *A Clinical and Technology Breakthrough*

The Prodigy is a breakthrough in fan-beam design. Utilizing the industry's first direct-digital array detector that maximizes dose efficiency to deliver spine and femur scanning in seconds, at a fraction of the dose. The Prodigy Pro also sets a new standard in software utility with the new enCORE platform. Based on the Windows® XP operating system, enCORE provides unparalleled ease of use and automation, making densitometry easier and more precise than ever before.



## *DualFemur – The New Clinical Standard*

The exclusive DualFemur application automatically measures both the left and right femur in one sequence, improving diagnostic accuracy by identifying the femur with the lowest density, eliminating guesswork. DualFemur also provides a combined L/R density that is 30% more precise (0.4%)\* than single femur measurements dramatically enhancing your ability to monitor therapy at this critical fracture site.

*"Today's advances in  
bone density technology  
make testing straight-  
forward and fast."*

\*SL Bonnick, LA Lewis, Texas Woman's University, Denton, TX, US.

## ***Speed and Precision with Direct-Digital***

The Prodigy Pro is the first direct-digital fanbeam densitometer. It utilizes a dose-efficient cadmium zinc-telluride (CZT) detector which directly digitizes every photon. CZT provides superior sensitivity over "indirect" scintillation technology that first converts x-rays to light prior to digitization. The benefits of a direct-digital detector array include:



- Rapid throughput
- Superb image quality
- Ultra-low dose
- Excellent clinical precision

## ***Expandable Capabilities***

An existing vertebral fracture is a key risk factor of future fracture, regardless of bone density. Vertebral Assessment helps physicians to assess fracture risk by identifying and quantifying vertebral fractures.



*Morphometry – type and severity of deformation – computer-aided evaluation and 6-point, user-adjustable morphometry.*



*Prodigy's enCORE software is based on Windows XP operating system.*



## Compact

## Full

### Standard Features

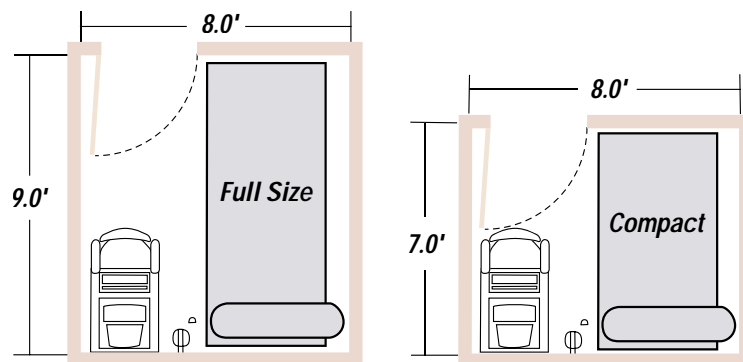
AP Spine	AP Spine
DualFemur	DualFemur
Forearm	Forearm
enCORE Windows XP	enCORE Windows XP
	Total Body

### Standard Hardware Configuration:

Microsoft® Windows® XP Professional 1.2 GHz MHz Intel® Celeron® processor, 512 MB RAM, 20 GB hard disk, 8 MB Video RAM, 52x CD ROM, 250 MB Zip drive, 56k modem, 10/100 MB Network card, Super VGA, 1024 x 768 or higher video adapter, 17" monitor, HP Deskjet 940c Color Printer.

### Optional Features

OneVision	OneVision
Advanced Hip Assessment	Advanced Hip Assessment
Dual Energy Vertebral Assessment	Dual Energy Vertebral Assessment
Pediatric	Pediatric
Prosthetic Hip	Prosthetic Hip
Dexter/PDA	Dexter/PDA
Composer	Composer
DICOM/HL7	DICOM/HL7
TeleDensitometry	TeleDensitometry
Small Animal	Small Animal



### Footprint

LxWxH (m/ft)

Full size	263 x 109.3 x 128.3cm 103.5 x 43.5 x 50.5in
Compact	201 x 109.3 x 128.3cm 79.5 x 43.5 x 50.5in

### Minimum Room Size

LxWxH (m/ft)

Full size	2.9 x 2.4m / 9.0 x 8.0 ft
Compact	2.3 x 2.4m / 7.0 x 8.0 ft

Please forward any questions or concerns along with a room drawing to Customer Support.

Power	100/240 VAC +/-10%, THD<5%*, 600 VA
Temp/Humidity	65° - 81° F (18° - 27°C) 20%-80% non-cond.
Full Size Weight	272.16 kgs (600 lbs)
Compact Size Weight	254 kgs (559 lbs)

### Time/Exposure

Site	Time	Exposure
DVA	<2m	8.3mR
DualFemur	60s	3.7mR
Spine	30s	3.7mR
Femur	30s	3.7 mR
Forearm	20s	.2mR
Total Body	5m	.04mR

### BMD Clinical Precision\*

Total Hip	
DualFemur	0.4%
Left	0.7%
Neck	
DualFemur	1.0%
Left	1.0%
Trochanter	
DualFemur	0.6%
Left	0.9%
AP Spine	
L1-L4	0.7%
L1-L4	0.9%

\* SL Bonnick, Texas Womens' University.



## GE Medical Systems

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