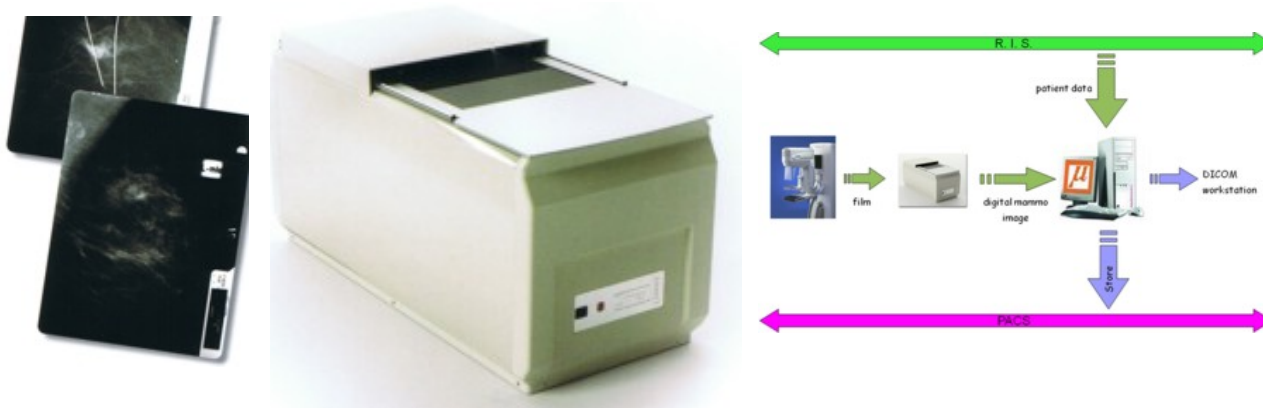


# PectoGraph

## Digital Mammography in an Instant

Despite the obvious and proven benefits of digital technology, for reasons of high cost and insufficient quality, the one field of medical imaging which has lagged behind all others is mammography. Now for the first time we are able to offer a specialised scanning device that converts mammography films in one second into digital files of the resolution and optical density necessary for primary diagnosis in the digital environment - and at an affordable price



The speed of acquisition of the digital images is so fast – virtually instantaneous – that the **PectoGraph** can be incorporated into the regular output / workflow of the imaging department.

The device is designed to work in tandem directly with the analogue mammography modality. At high speed and high resolution images are digitised and captured from mammography film

The digital image files are converted to DICOM and outputted into PACS, to an individual mammography workstation or stored in a digital archive. With the **PectoGraph** the user can effectively convert the conventional mammography system into a digital DICOM modality.

**PectoGraph** is supplied with *MicroPrint* software (see schematic above), including: Scan + DICOM Send + DICOM Modality Worklist + DICOM Store / DICOM Print is optional.

Easy Operation  
High Productivity  
Efficient Work-Flow  
DICOM PACS Compatibility  
Maintenance Free Solid State Device  
Dual Mode Functions – Film and Paper (b/w output)  
Extends Use of Existing Conventional X-ray Equipment

### Technical Specification

18 x 24 and/or 24 x 30 film sizes  
12-bit acquisition (4096 grey-scales)  
70 $\mu$  spot-size = 7.14 lp/mm – true optical resolution  
Optical Density 4.0  
Image acquisition in JPEG2000 / DICOM 3 output  
Interface USB 2. OS Windows XP Pro.  
Weight 18kg / Power 50W 230V-50Hz

Diagnostic Quality validated by KCARE London Images ACR compliant Worldwide Patent

Danum International recommend the TruePIX TX5M monitor and Alma Mammo viewing software for use with PectoGraph. Please refer to [www.danum.com](http://www.danum.com) for further details.



Danum International Ltd 2 Thealby Gardens Doncaster DN4 7EG UK  
tel & fax +44 1302 371500 e-mail: [sales@danum.com](mailto:sales@danum.com) web: [www.danum.com](http://www.danum.com)