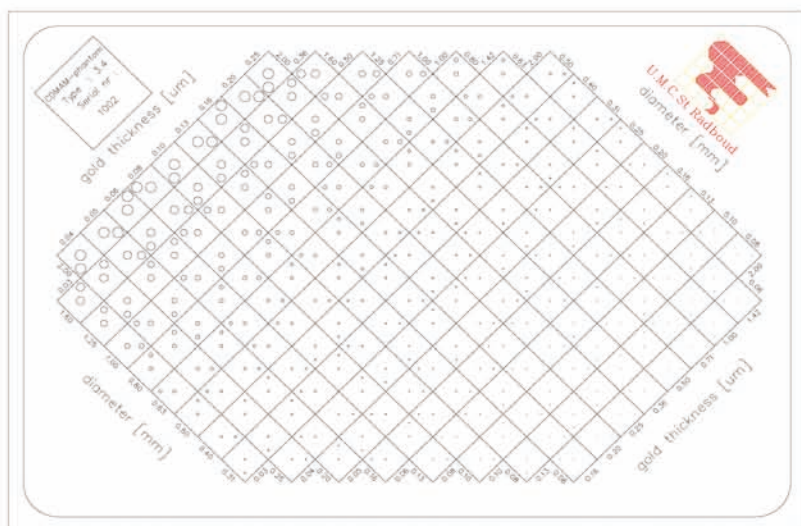


# CDMAM 3.4

## “Gold Standard” Mammographic Contrast-Detail phantom

### Introduction

- Aid for improving image quality
- Monitors the Image information content
  - Contrast-Detail curve/detectability
  - Tests Low contrast
  - Tests spatial resolution



### Specifications

- 0.5 mm Aluminum (99.5%) base
- Pure Gold discs
  - Thickness 0.03 .. 2.00 µm (16 exponential steps)
  - Diameter 0.06 .. 2.0 mm (16 exponential steps)
- PMMA Cover 162 \* 240 mm
- Four 10 mm thick PMMA plates with identification markers

### Applications

- Optimization and evaluation of digital mammography systems
- Determination of the optimum exposure technique
- comparison of image quality at various thicknesses of PMMA
- Comparison of image quality with various film-screen combinations
- Determination of the optimum background density
- Comparison of different mammography systems