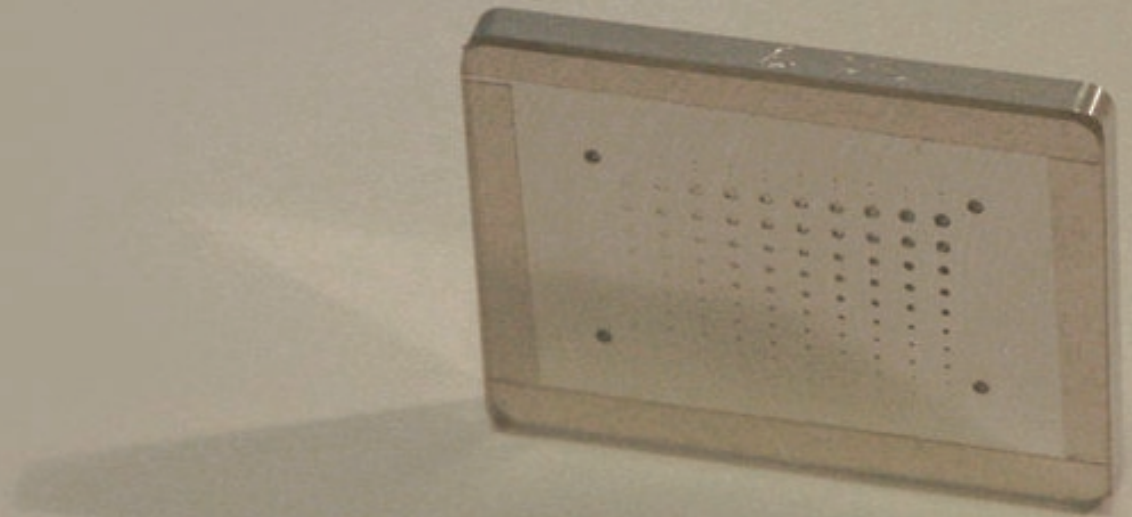


Contrast - Detail Phantom

CDDENT



Quality control for dental X-ray systems

Introduction

Just as much as in mammography or conventional radiology, maintaining a consistent quality in dental radiology, is essential. In the CDDENT Contrast-Detail Phantom, objects with very small contrast and diameter are used.

This phantom is used to maintain quality through the years, and to optimize radiation dose- & image quality.

Features

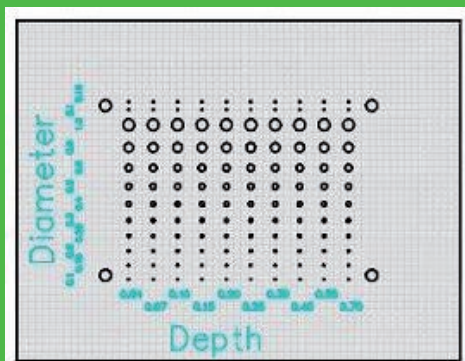
- Aid for improving image quality
- Monitors the image information content
 - Contrast-Detail curve/detectability
 - Tests low contrast and spatial resolution

Applications

- System Quality control and optimization
- Optimization of the radiation dose-image quality relationship
- Comparison of image quality at various object thickness
- Suitable for all common intra-oral sensor sizes
- Comparison of different systems and sensors
- Automatic read-out software

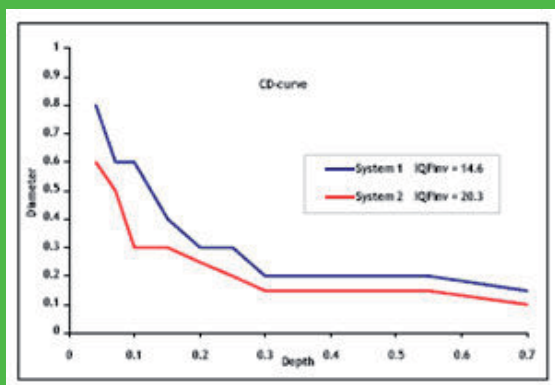
The logo for Iba, featuring a stylized white 'i' with a dot above it, followed by the letters 'ba' in a cursive, lowercase font.

Technical specifications



3 mm Aluminum tablet with 100 cylindrical holes

- Depth 0.04 ... 0.7 mm, ± 0.02 mm (10 exponential steps)
- Diameter 0.1 ... 1.0 mm, ± 0.02 mm (10 exponential steps)



When comparing different dental X-ray systems, the better system will produce an image in which smaller contrasts and details are visible.

Note:

Please observe the local safety regulations regarding radiation protection and regarding use, transport, import, export and disposal. All used material including pictures and logos may be copyrighted. Pictures may differ from the actual scope of delivery. Technical data is subject to change without prior notice.

The Philosophy of Precision & Simplicity.

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Protect,
enhance
and save
lives

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