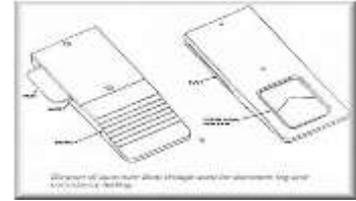
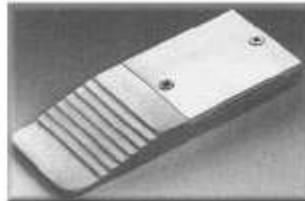
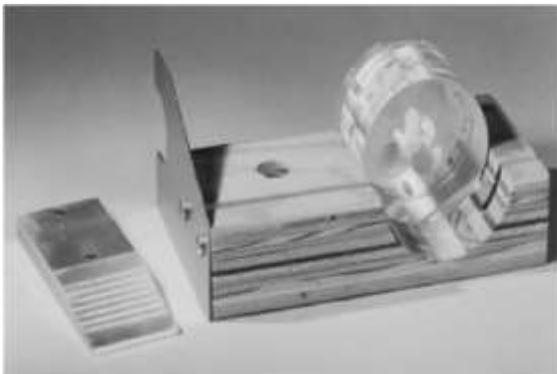


Model L-76-025 CDRH Dental Image Quality Test Tool



Introduction

The CDRH Dental Image Quality Test Tool is designed specifically for testing the functionality of dental x-ray units, and provides a means of evaluating HVL, kVp, and assessing overall image quality. The Dental Image Quality Test Tool is easy to use and readily identifies potential image quality issues before the equipment is used on patients.

The test tool will significantly improve the ability of service personnel to quickly and accurately survey the image quality of the x-ray unit. The CDRH Dental Image Quality Test Tool can also be used as a constancy check for x-ray film processing, making it a versatile and cost-effective QA Tool .

Applications

Clinical imaging involves diagnosis of tooth pathology. In order to permit an accurate simulated clinical image evaluation, the test tool contains a human tooth encased in its centre. The CDRH Dental Image Quality Test Tool consists of a wooden cradle (to hold the test tool body), built-in slots (for attenuation filters), a film slot, an exposure chamber holder, and a mounting screw (for use with a tripod). The test tool comes with an aluminium step wedge that is designed for evaluating x-ray tube and film processing issues.. The step wedge has two slots, one for exposing a film pack and one for evaluating darkroom fog. The film slot also ensures easy, reproducible placement of the film for consistent testing.

To use the CDRH Dental Image Quality Test Tool (Model 76-025), it is necessary to develop a baseline standard for the x-ray unit performance. The test tool should be imaged using the same technical factors that were used to establish the baseline. These images, when compared to the baseline, will allow the user to monitor the trend of image quality degradation that may be occurring so appropriate corrective action can be taken.

Specification

Wood base; Acrylic Phantom w/tooth; Type 1100 Aluminium Step Wedge

Dimensions: Base: 20 cm L x 10 cm W x 4.9cm H
 Test Phantom: 5.5cm L x 7.6cm diameter
 Step Wedge: 12.7 cm L x 5.1 cm W x 1.3cm

Weight: 2 Lbs (883g)

Options:

Model L-76-025-1 Aluminium Step Wedge Only
Model L-076-2 Acrylic Phantom w/ human tooth