

CR PHANTOM

CR Phantom
according to ASTM E 2445-05
ISO 16371-1, EN 14784-1



Qualification of CR Scanner Systems
according to latest standards

Test Phantom for Qualification of Image Plate Scanner Systems (CR)

CR Phantom can test all relevant parameters of CR Scanner systems including basic spatial resolution, unsharpness, contrast, MTF, laser beam jitter, scanner slipping and shading. These tests demanded and described in detail in standards ASTM E 2445-05, ISO 16371-1 and EN 14784-1 have to be performed periodically.

The KOWOTEST CR Phantom exceeds these standards by including two Duplex wire type IQIs. Measuring points for shading correction are arranged in both axis directions - panorama and landscape. All required information is mapped on the image plate with a single X-ray exposure - the CR Phantom need not be rotated to generate the information of the second axis. This results in more accurate test scores and significant time savings.

Spezifikationen:

A T-Target – brass	Laser beam jitter, MTF check, Blooming (Flare)
B Duplex wire type IQI	Basic spatial resolution, unsharpness
C BAM snail	Central beam alignment
D Converging line pair IQI	Line pair resolution
E EL, EC, ER Measuring points	Shading correction
F Cassette positioning locator	Position of cassette (image plate)
G homogeneous AL strip	Scanner slipping, shading
H Lucite plate	Carrier plate
I cm/inch Ruler	Linearity check
J Contrast sensitivity gauge	Contrast sensitivity check

Dimensions: 350 x 430 x 19 mm 14" x 17" x 0.75"



Scope of supply:

CR Phantom in wooden case,
Test certificates acc. to ASTM E 2445-05,
EN 14784-1, ISO 16371-1,
Declaration of Conformity
acc. to ISO/IEC 17050-1

CR Phantom, Type I

with two duplex wire type IQIs 13D
Article no. 11 00201

CR Phantom, Type I

with two duplex wire type IQIs 15D
Article no. 11 00211

CR Phantom, Type II

designed by USAF
Article no. 11 00221

