## 

## CR Phantom

according to ASTM E 2445-14
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 2445-14, 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.

## Spezificationen:

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A T-Target-brass
B Duplex wire type IQI
C BAM snail
D Converging line pair IQI
E EL, EC, ER Measuring points
F Cassette positioning locator
G homogeneous AL strip
H Lucite plate
| cm/inch Ruler
J Contrast sensitivity gauge
Dimensions: \(350 \times 430 \times 19 \mathrm{~mm}\)
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Laser beam jitter, MTF check, Blooming (Flare)
Basic spatial resolution, unsharpness
Central beam alignment
Line pair resolution
Shading correction
Position of cassette (image plate)
Scanner slipping, shading
Carrier plate
Linearity check
Contrast sensitivity check
$14^{\prime \prime} \times 17^{\prime \prime} \times 0.75^{\prime \prime}$



## Scope of supply:

CR Phantom in wooden case,
Test certificates acc. to ASTM E 2445-14, EN 14784-1,ISO 16371-1, Declaration of Conformity acc. to ISO/IEC 17050-1

CR Phantom, Type I
with two duplex wire type IQls 13D
Article no. 1100201

CR Phantom, Type I
with two duplex wire type IQIs 15D
Article no. 1100211


CR Phantom, Type II designed by USAF
Article no. 1100215

