GR PLANTON

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.

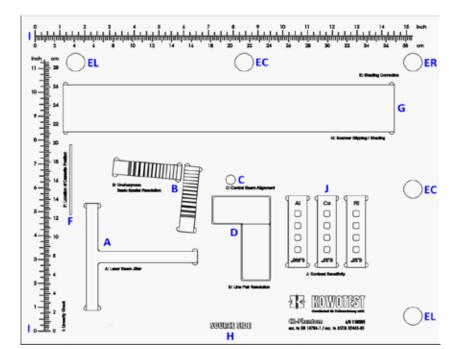
Spezificationen:

- 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 x 430 x 19 mm

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" 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



PKT_1100201-1409-02_EN



Solinger Strasse 186 D-40764 Langenfeld Fon: +49 2173 - 223 83 Fax: +49 2173 - 223 35

info@kowotest.de

Gesellschaft für Prüfausrüstung mbH www.kowotest.de