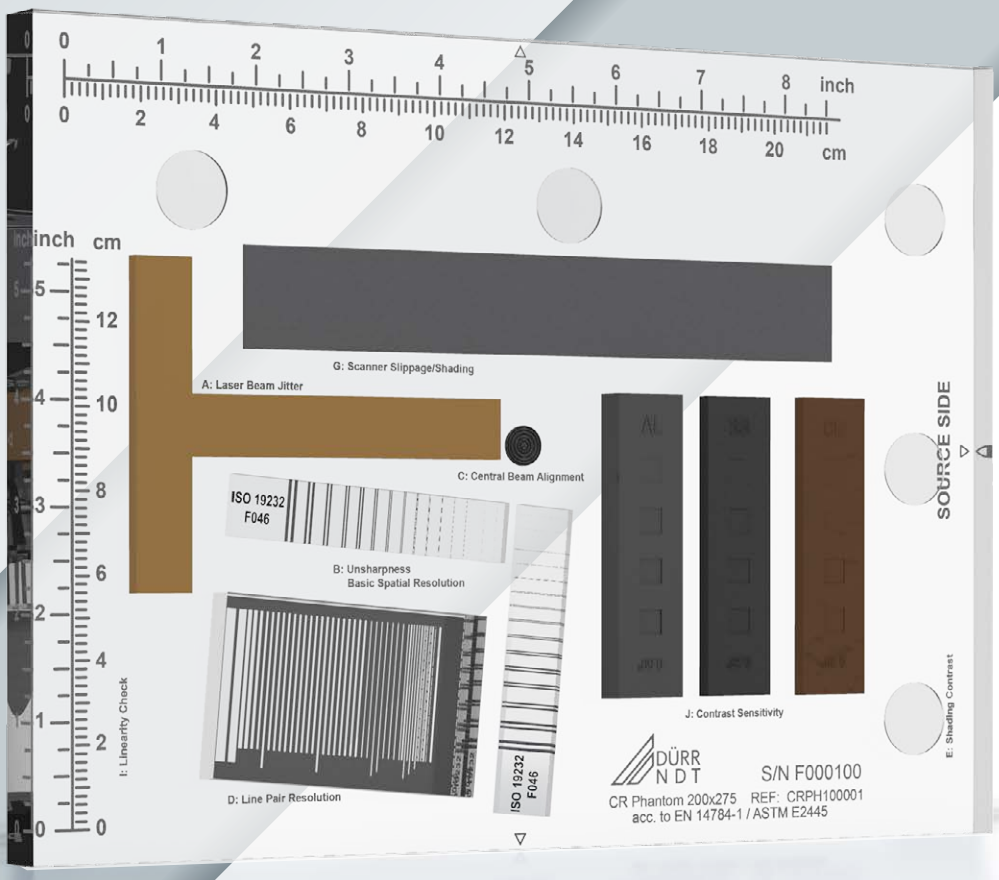
EASY QUALIFICATION ACCORDING TO THE LATEST STANDARDS

CR PHANTOM

TEST SPECIMEN FOR COMPUTED RADIOGRAPHY SCANNERS



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DÜRR NDT

EVERYTHING COVERED WITH JUST ONE SHOT

The CR Phantom can test all the important performance characteristics of a CR scanner system including basic spatial resolution (unsharpness), contrast, MTF, laser beam jitter, scanner slipping and scanner shading. These tests are described in detail in the ISO 16371-1 and ASTM E 2445 standards and should be performed periodically to ensure proper and accurate system operation.

To meet the requirements of these standards, the DÜRR NDT CR Phantom includes two duplex wire-type IQIs and measuring points for shading correction positioned in both axis directions (panorama and landscape). This allows all the required information to be mapped on the imaging plate with a single X-ray exposure – the CR Phantom does not need to be rotated to obtain the data of the second axis, resulting in more accurate test scores and significant time savings.

Product Contents

- CR Phantom in lined wooden case
- Test reports according to ISO 16371-1, ASTM E 2445
- Declaration of Conformity according to EN 45014

Dimensions

200 x 275 x 15 mm (7.9 x 10.8 x 0.59")

Product number

CRPH100001

***A** T-target (brass)*
Laser beam jitter, MTF check, Blooming (Flare)

***B** Duplex wire-type IQI 15D (hi-res)*
Basic Spatial Resolution (Unsharpness)

***C** BAM snail*
Central beam alignment

***D** Line pair IQI type 53-b*
Line pair resolution

***E** Measuring points*
Shading correction

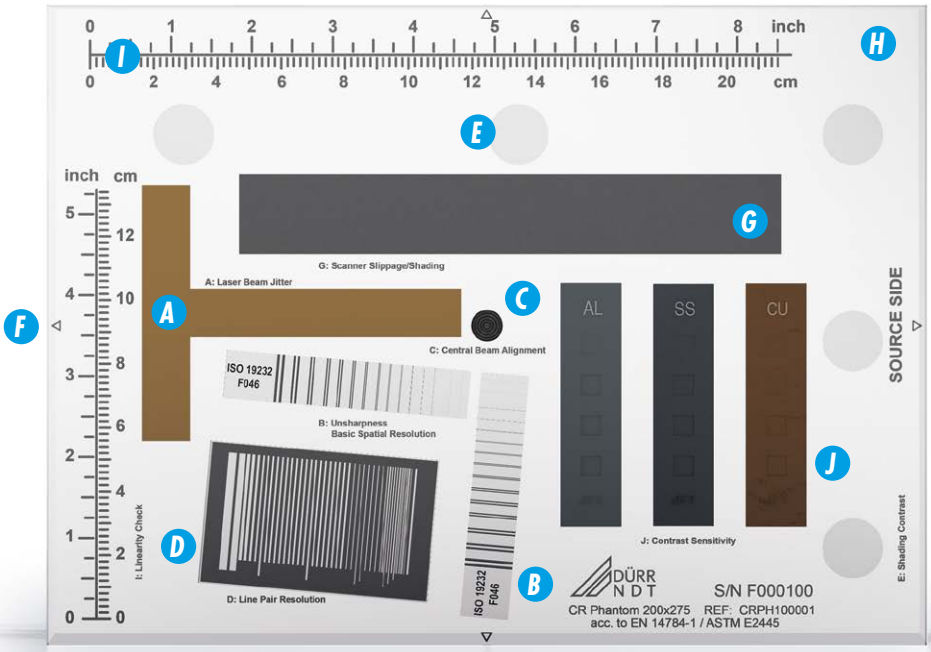
***F** Cassette positioning locator*
Positioning of cassette (imaging plate)

***G** Homogeneous strip (aluminium)*
Scanner slippage, scanner shading

***H** Lucite plate*
Carrier plate

***I** cm/inch ruler*
Linearity check

***J** Contrast sensitivity gauge*
Contrast sensitivity check



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MADE IN GERMANY

DÜRR N D T

WPRO100022 RA0002 EN Technical data subject to change