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XTE™ Check

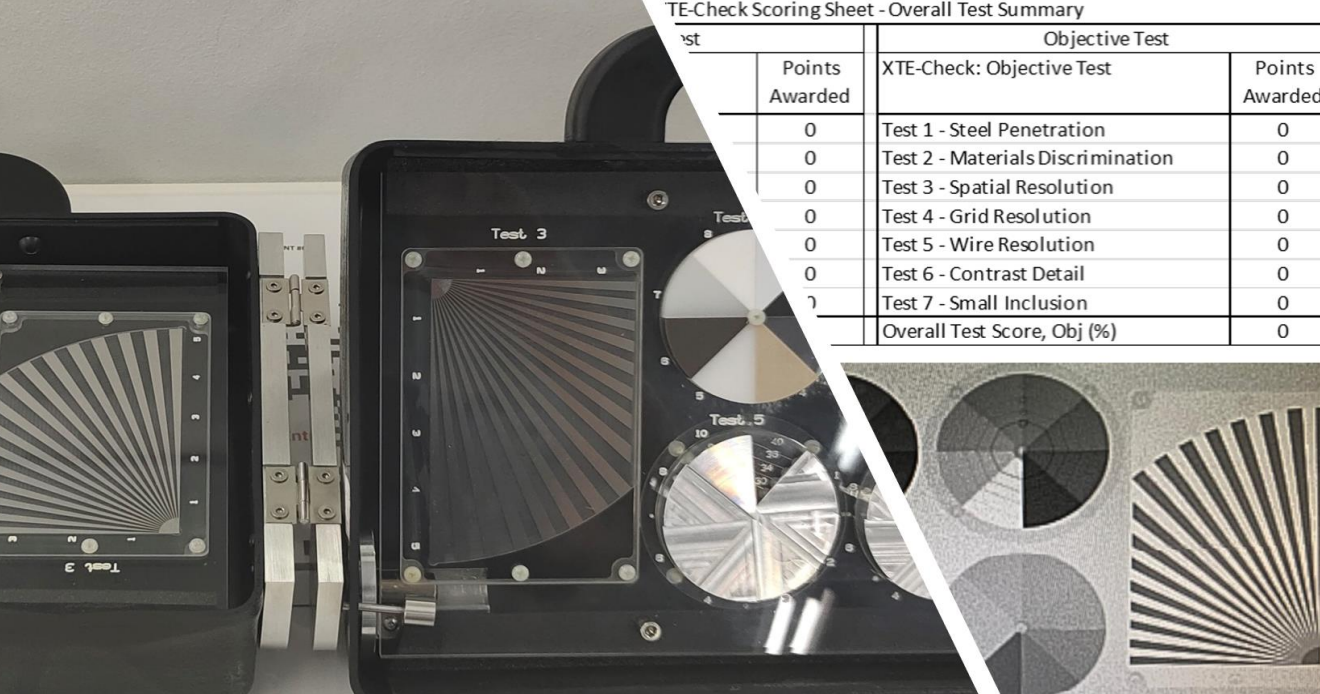
Performance Evaluation,
System Acceptance and
Scheduled Maintenance of
X-Ray scanners of tunnel size
less than 1m x 1m



A Comprehensive Image Performance Evaluation Platform

Universal Test Platform (Any OEM)
Independent 3rd Party
One Pass
Fast 5 Mins evaluation
Automated Evaluation
Network ready





7 Comprehensive Test

Test 1 Penetration Test

Penetration test of steel step wedge ranging from 26mm to 40mm thickness

Test 2 Material Discrimination

8 different Zeff materials are tested in air, 1mm and 2mm of steel

Test 3 Spatial Resolution

The ability of image system to differentiate between 2 nearby objects. Propriety "crows foot phantom" is used. Typical thickness ranges from 0.5mm to 2mm

Test 4 Grid Resolution

Testing of resolution on both vertical and horizontal axis from 0.5mm to 2.0mm

Test 5 Wire Resolution

Measuring from 30AWG over varying wire thickness with 40AWG being the thinnest in air and behind concealment

Test 6 Contrast Detail

Contrast is the measure of density difference between 2 areas. To measure contrast detail provides a measure of the ability to detect both low contrast and small features simultaneously.

Test 7 Inclusion Test

This test is designed to test the visibility of small inclusions within the X-ray image

Comparison

Current testing equipment are used for tunnel size less than 1x1m

- Cannot be angled to meet X-Ray perpendicularly
- No one pass for Dual View machines
- Subjective test only

XTE™ Check

- Rotatable Mechanism to meet x-ray perpendicularly
- Offers both subjective and objective DICOS testing XTE™ Unify
- One pass for Dual View
- Open architecture ACRIS Network ready

Dimension

300mm x 300mm x 230mm

Weight 4Kg

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