



XTE™ Check

Performance Evaluation
System Acceptance
Scheduled Maintenance
Tunnel Size less than 1m x 1m*



Comprehensive Image Performance Evaluation Platform

Universal Test Platform (Any OEM)
Independent 3rd Party
Network Ready
One Pass (Duel View)
Rotatable Mechanism to meet X-ray perpendicularly
Fast 5-minute Automated Evaluation
Offers both subjective and objective testing (using automated evaluation software, XTE™ Unify)

Size: 300mm x 300mm x 230mm*

*1mm = 0.039 in, 1m = 3.280 ft

Designed, Engineered, & Manufactured by Synergy4Tech Pte Ltd
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7 COMPREHENSIVE TESTS

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

The most comprehensive image performance system for testing border security screening equipment.

CHECK | LITE | CARGO | CT | BACKSCATTER | UNIFY

