



XTE™ Cargo

Performance Evaluation
System Acceptance
Maintenance of Gamma and X-Ray
Scanners from 1MeV to 9MeV



Comprehensive Image Performance Evaluation Platform

- Universal Test Platform (Any OEM)
- Independent 3rd Party
- Network Ready
- One Pass
- Zero Downtime
- Fast 5-minute Automated Evaluation
Offers subjective and objective testing (using automated evaluation software, XTE™ Unify)
- Forklift Ready / Small Footprint Rotable Mechanism

Dimensions:

XTE™1 1100mm x 1100mm x 807mm, 300-350kg

XTE™2 1100mm x 1100mm x 723mm, 350-500kg

*1mm = 0.039 in, 1m = 3.280 ft, 1kg = 2.204 lbs

Designed, Engineered, & Manufactured by Synergy4Tech Pte Ltd
Distributed in the United States by KHLG & Associates, Inc.
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9 COMPREHENSIVE TESTS

Test 1 Resolution Test

Image Quality Indicator (IQI) on sharpness and blurring of copper wire images in air and behind concealment.

Test 2 & 3 Material Discrimination Air

Organic test of several thickness of explosive surrogate in air.

Test 4 Contrast Sensitivity

Contrast is the measure of density difference between 2 areas. Easier to distinguish features of interest amongst its surrounding. The lower the sensitivity level the better.

Test 5 Material Discrimination Steel

Contraband and explosive test behind steel concealment

Test 6 Spatial Resolution

The ability of image system to differentiate between 2 nearby objects. Typical thickness ranges from 6mm to 2mm

Test 7 Material Discrimination

The ability of image system to differentiate between 2 nearby objects. Typical thickness ranges from 6mm to 2mm

Test 8 Spatial Resolution Concealment

Test 9 Penetration

The level of penetration of system e.g. 250mm to 350mm steel

XTE™ Cargo 1 Test 1 to Test 5

XTE™ Cargo 2 Test 1 to Test 9

CHECK | LITE | CARGO | CT | BACKSCATTER | UNIFY

