

The XT250™ Material Identification System



Rapid & Penetrating Pharmaceutical Authentication



The XT250 Material Identification System

The XT250™ Material Identification System from XStream Systems, Inc. brings on-site, real-time verification within the reach of nearly any organization. With the XT250 System, simply insert a sample, push the start button, and materials are automatically verified or detected while providing simple pass/fail results.

This patented system is based on Energy Dispersive X-Ray Diffraction (EDXRD), a highly sensitive and accurate technology. The system quickly matches a pharmaceutical's molecular crystalline structure against its standard profile to determine its authenticity and quality. The XT250 System's superior penetration allows it to scan directly through the manufacturer's packaging.

Pharmaceutical Applications

While a pedigree verifies the documentation trail from each supplier throughout the supply chain, the XT250 System authenticates the medication sealed inside the packaging, thereby, providing protection against counterfeits, adulterations, dosage errors, and contaminations.

Networking Capabilities

The system is a self-contained stand alone unit or can be used in conjunction with other units to form a multiple unit company-wide solution. All XT250 systems have the ability to be networked through our Secure Pharma Network (SPN) management software to facilitate in tracking, troubleshooting, reporting, and pedigree compliance. This network provides secure data-sharing capabilities which also can be used for software updates and signature library expansions.

*Raw Material Inspection, In Process Testing, Finished Goods Quality Control, Research & Development,
and Drug Authentication throughout the Supply Chain*

XT250™ System Specifications

Electrical Power:	(US) 115V 60Hz 5A (max) (EU) 230V 50Hz 2.5A (max) 600 W (max)
Operating Temperature:	10°–35°C
Archival Storage:	5,000 sample records
X-Ray Source:	80kV Tungsten sealed tube, air cooled (40 W)
Detector:	Cadmium Telluride (CdTe), thermoelectrically cooled
Weight:	350 lbs
Display:	800 x 600 resolution
Minimum Sample Size:	1" height x 1" diameter
Maximum Sample Size:	6" height x 3" diameter
Test Result Speed:	30 seconds + (depending upon molecular complexity)
Hard Drive:	160 GBytes
RAM Memory:	512KB
Built-In Processor:	Intel® Pentium® 4; 3.4ghz
External Printer:	Optional
External Bar Code Reader:	Optional

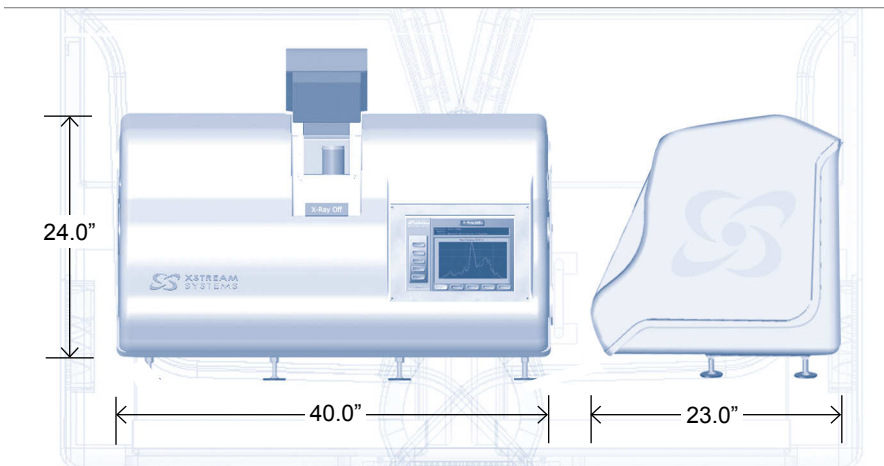
Controls:

Power Key Switch
 12" LCD Rear-Mount Touchmonitor
 Customizable Display with:
Operation Buttons: START, CANCEL,
 CONFIRM, PRINT & OPEN
Menu Buttons: MAIN, MATERIALS,
 CONFIG & SYSTEM

External Interfaces:

Remote Management
 One (1) 10/100 Ethernet
 Four (4) USB 2.0 Type A Interfaces
 AGP VGA Monitor Port
 Secure connection capability to Secure Pharma
 Network (SPN)

Dimensions



XSTREAM
SYSTEMS



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