Technical Specifications

X-ray source options: 90 kV or 130 kV, variable

Image detector options: 6 x 6 cm to 43 x 43 cm FPD

Manipulator: X, Y, Z + sample rotation

Sample Stage: 14″ x 12″

System Dimensions: 60″(W) x 45″(L) x 45″(H)

Computer: PC with Windows

Software: TruView™ Std + Analysis apps

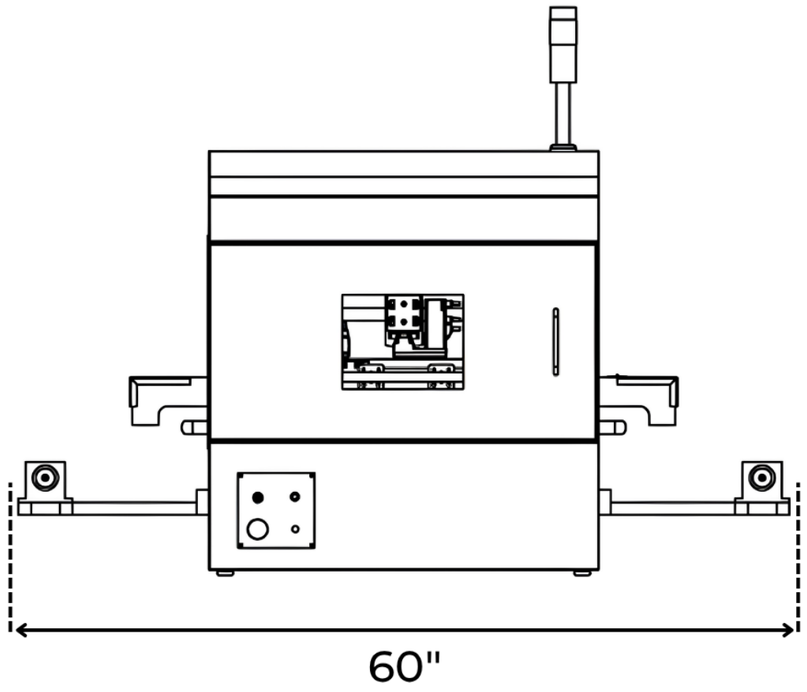
Power Requirements: 110–220 VAC, <10 A

Radiation Safety: ≤0.5 µSv/h

Meets all local and international regulations

Features

- Fits on a standard industrial workbench
- Up to 130 kV microfocus X-ray source
- Large sample stage, fully viewable
- Fully customizable
- Choice of automation to match your needs
- Powerful and intuitive software



PROUDLY MADE IN THE USA

VISIT THE PRODUCT PAGE

Contact Information

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TruView™ Prime R

Top Performance on the Benchtop

Creative Electron
THE X-RAY PEOPLE

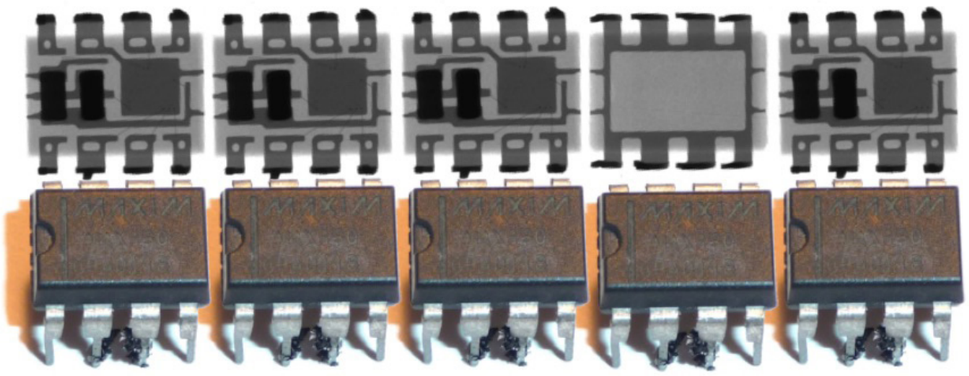
TruView™ Prime R

CE FDA

TruView™ Prime R

The TruView™ Prime R is a specialized reel-to-reel X-ray inspection system designed for automated electronic component authentication and counterfeit detection. Engineered for incoming inspection, distributors, OEMs, and electronics manufacturers, it automatically advances tape-and-reel components through the X-ray system, enabling high-throughput, non-destructive inspection without manual handling.

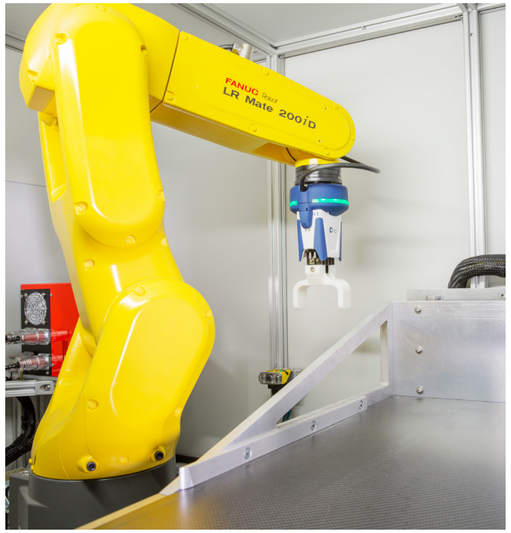
Powered by TruView™ software, the Prime R combines automated inspection recipes, built-in reporting, and AI-assisted image analysis to identify suspect counterfeit components, compare devices against known-good references, and flag anomalies such as die size variations, wire bond differences, lead frame inconsistencies, and missing or damaged internal structures. Detailed inspection reports are generated automatically, providing complete traceability and documentation for quality assurance and supplier verification. TruView's automation and AI algorithms streamline component validation while improving inspection speed, consistency, and accuracy.



Counterfeit Detetction

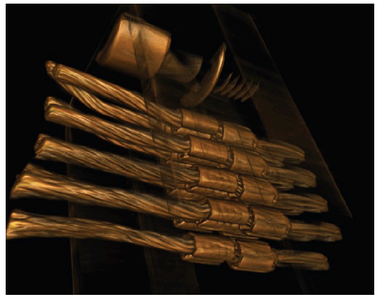
Customize without Compromise

At Creative Electron, we manufacture 100% of the systems in San Marcos, CA, from software development to design and manufacturing. Conveyors, grippers, robots, and cobots can be incorporated for material handling. Software tools can be upgraded to assist with or fully automate the inspection process with image analysis and artificial intelligence. Our team is ready to assist in customizing your system, no matter how unique the application. Visit our website to see some examples and give us a call to discuss your project.

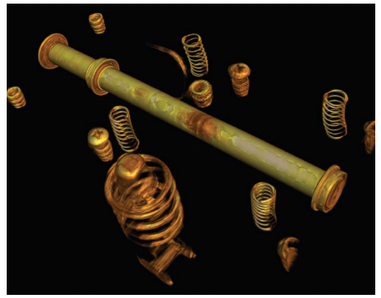


Success Stories

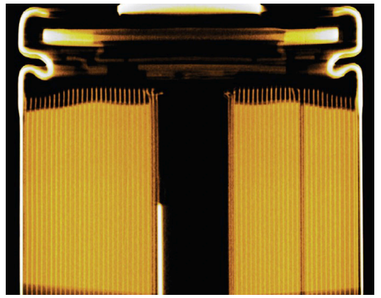
Connector wire crimping



Medical device



Battery



Our guarantee to you.

Our three-year warranty. Because we build our own products right here in San Marcos, California, we are able to offer a 3-year warranty to our customers in the USA for all our standard products. We believe in the solutions we provide and are confident that they will operate robustly, consistently, and reliably in our customers' hands for a long time with minimal maintenance. Your peace of mind is our top priority.