

SCIENSCOPE AXC-800

X-Ray Component Counter: Accurate, Intelligent, Fast!

Manual component counting requires hours and includes the possibility of miscounts resulting in machine down-time, inaccurate inventory management, and ultimately reduced profit margins. Seamless and flexible automation means more up-time on the assembly line and increased productivity. Component counting using Scienscope's X-Ray technology can take only seconds for an entire reel. Increase productivity with the most accurate, fast, and easy to use component counter available.



AXC-800

Key Features

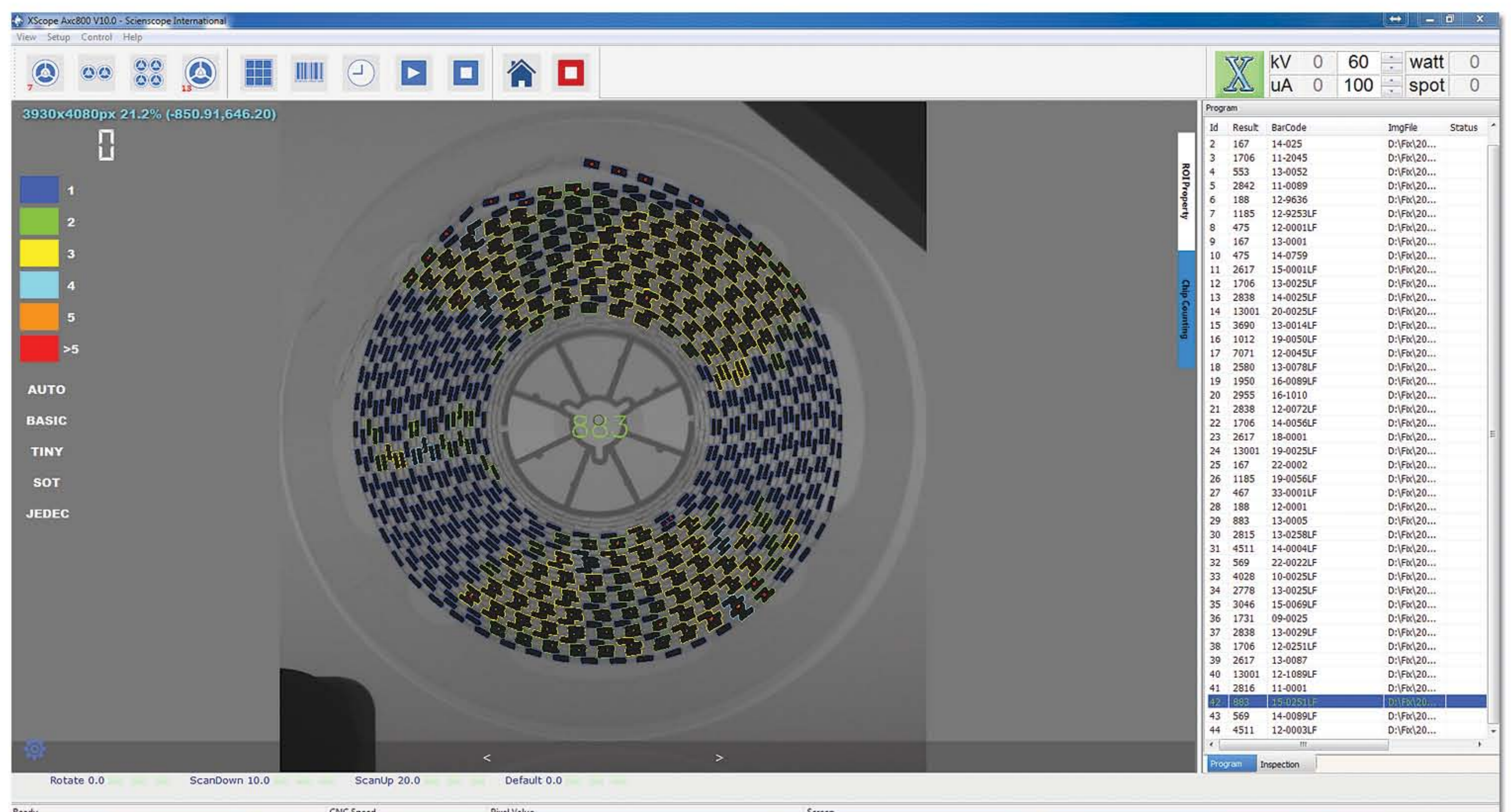
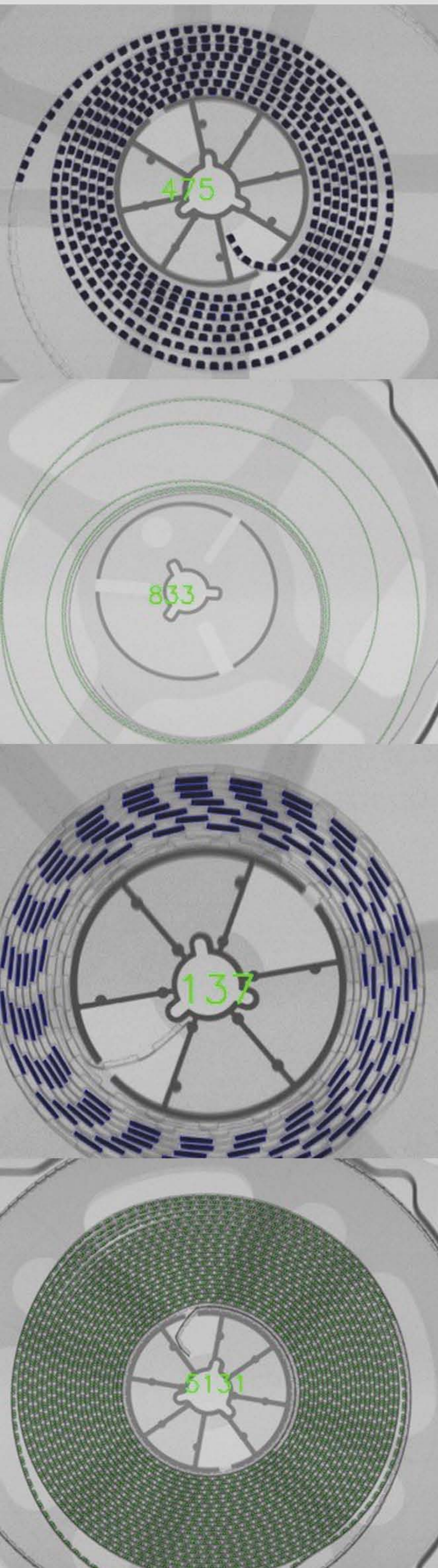
- Greater than 99% accuracy
- Fast
- Scans (4) 7" reels simultaneously
- Scans 13 or 15" reels
- Scans JEDEC trays and counts BGA balls
- Scans loose wound components or tightly wound components
- Scan inside ESD bags
- Easiest interface
- Built in library
- Small footprint

Accuracy and Repeatability

An inaccurate count is dangerous because other operations rely on the count being correct. The AXC-800 count accuracy is >99% for all supported component types. Whether the components are tightly wound or loose on the reel, you can always be sure the count will be correct. In many cases, the accuracy can be 99.99% or even 100%.

Simple Interface/Operation

Operation couldn't be easier – insert the reel(s) and close the door. The machine starts counting automatically. No need to position the reel or set parameters. The reels sit in a fitted, numbered area on the load platform. Once the count is finished, the reel will be positioned at the access door, remove it, scan the barcode, and the next reel will be moved to position to ensure the correct barcode always matches the correct reel. If desired, a label can be printed after the scan.



General

Dimensions:	750mm (L) x 750mm (W) x 856mm (H) 30" (L) x 30" (W) x 34" (H)
Weight:	450kg (990 lbs)
Power:	110-220 VAC 50/60 Hz 0.8kW

Technical: X-Ray

X-Ray Source:	Micro-Focus, closed tube
Operating Voltage:	80kV

Technical: Image Detector

Resolution:	8k
Gray Level:	16 bit (65,536)

Technical: Operation

Reel Size:	(1 to 4) 7" reels (1) 13" or 15" reel Reel height up to 32mm (standard)
Minimum Component Size:	01005"
Count Accuracy:	>99%
Cycle Time:	7" reel approximately 7-15 seconds (4) 7" reels approximately 35-40 seconds 13" or 15" reel approximately 30-45 seconds
Types of Inspection:	Standard SMT and TH Standard reels up to 15" diameter Cut strips, ESD bags, JEDEC trays, BGA ball count
Barcode Reader:	Software interface for 1D or 2D hand-held barcode reading (reader optional)
Label Printing:	Software interface for automatic label printing of barcodes and or component count results. (Label printer optional)

Warranty

One year, parts and labor

Compliance

THE SCIENSCOPE X-SCOPE X-RAY INSPECTION SYSTEMS MEET THE FDA -CDRH REGULATION CFR 21 1020.40 SUBCHAPTER J FOR CABINET X-RAY SYSTEMS. THE FDA-CDRH STANDARD FOR CABINET X-RAY SYSTEMS STATES THAT RADIATION EMISSIONS WILL NOT EXCEED 500 MICRO R/HR 5 CM FROM ANY EXTERNAL SURFACE.

THE X-SCOPE X-RAY INSPECTION SYSTEMS TYPICALLY HAVE A RADIATION EMISSION READING OF LESS THAN 20 MICRO R/HR 5 CM FROM ANY EXTERNAL SURFACE.

ALL SCIENSCOPE X-SCOPE X-RAY SYSTEMS HAVE CE APPROVAL. SCIENSCOPE X-SCOPE X-RAY SYSTEMS ARE CLASSIFIED AS "CABINET X-RAY SYSTEMS" AND REQUIRE NO EXTERNAL RADIATION SHIELDING. WELDED STEEL / LEAD-STEEL CONSTRUCTION, NO VISIBLE LEAD SHIELDING.



FDA ACCESSION NUMBER: 0710198
CE REFERENCE NUMBER: CN.CE.0402-05.09

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