



MTC-4200XPRO

High Precision X-Ray Counting



General specifications

PHYSICAL SPECIFICATIONS	
Tube type	Enclosed type
Spatial resolution	30μm
Tube voltage	50kV (no more than 80kV)
Tube current	0.01-1mA
Image taking type	Flat-panel Digital
Imaging precision	139μm
Image size	427*427mm
Dpi	3072*3072px
Image taking speed	5 EDS/s
Code reading pixels	20 million / inch
Miscalculation rate (0201)	≤0.01%
Accuracy	99.99% (0201 as an example)
Minimum part size that can be detected	01005
Record keeping requirements	Save by day, no capacity limit, TXT.CSV.XLS
Operating system	WINDOWS 11
Power supply	AC110-220V50-60HZ
Power	1200W
Radiation safety test	<1 uSV/H
Repeatability test	≥2.0sigma
CYCLE TIME	≤10s / time
Material counting speed	6-10 S / 4 reels (CHIP 0201)
Max diameter of the material reel	430mm (4-17INCH)
Max height of the material reel	1-92mm
Max weight of the material reel	≤10kg
Machine size	730*1460*1960mm(L*W*H)
Machine size (including printer)	950*1460*1960mm(L*W*H)
Machine weight	450kg
Stage movement mode	Auto-mode
CE Certificate	Yes: STE23112103S
State immunity	Yes
Radiation Safety Permit	Yes: Guangdong Environmental Radiation Safety Permit [B0640]



Matrixcope LLC (USA)



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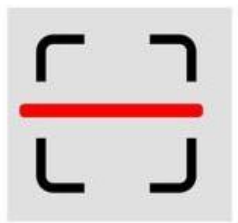



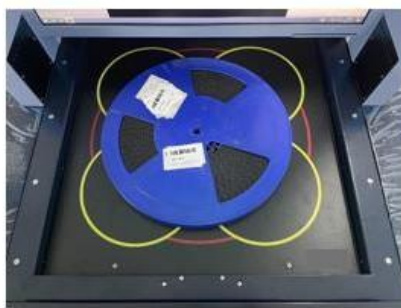

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Product highlights

Matrixcope MTC-4200XPRO is mainly used for high-speed counting of reel materials in the SMT industry. It can count 4- 17 inch Tape Reel/JEDEC reel/IC moisture sensitivity package and other materials. Material types include all resistance and capacitance materials and IC materials. Use X-Ray imaging technology to detect production materials and obtain image information for high-speed counting, and connect equipment data information with the customer's MES system.

Function Interpretation:

Inductive printing material label function	
	
<p>The inductive printing material label function effectively prevents mislabeling, random labeling, and missing barcode labeling, and improves the accuracy of information input.</p>	
Automatic reading of QR code function (optional)	
	
<p>Save time and improve efficiency, automatically read barcodes</p>	

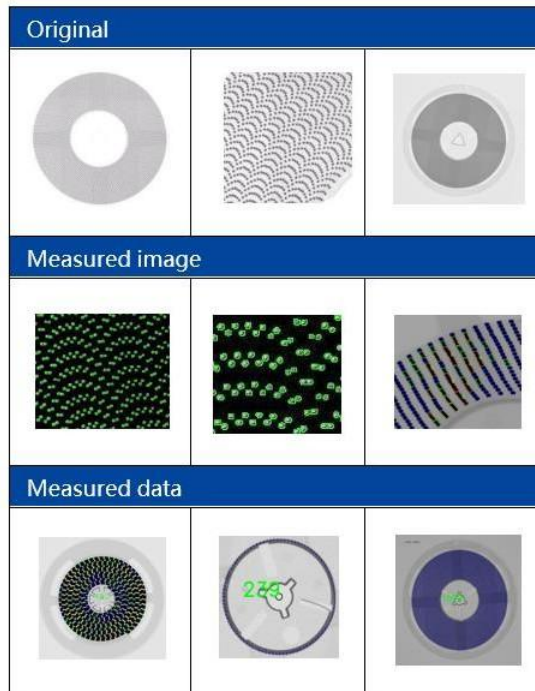
Can count multiple materials at once, or single material


<p>Select single / multiple inventory mode according to requirements</p>



Functional Advantage:

Functions:	Inductive printing of material labels
	Can count 4 material reels at once, or one single reel
	Intelligent code reading (optional)
	Data management
Features:	0201 as an example, the identification accuracy is as high as 99.99%
	Can count special-shaped materials, bulk materials, or multiple reels
	Auto fluoroscopic imaging, auto analysis, auto counting
	No operating table, equipped with a touch industrial monitor to save space
	Read all labels of the material reel and output to MES
Advantages:	Connect to MES, and data updated automatically
	Different material reels can be counted and images can be captured at the same time. Automatic numbering/counting
	6-10 seconds for a quick counting
	Reduce the number of processes, shorten process routes, and improve efficiency
	Comes with its own database and provides query and printing

AI Algorithm Principle:



Calculation Legend:

