



General specifications

PHYSICAL SPECIFICATIONS

X-Ray tube type	Enclosed type
Spatial resolution	5um
Light tube voltage	90KV (Optional 100KV、130KV)
Light tube current	200uA
Magnification	Optical magnification 250X, system magnification 1000X
Digital flat panel detector resolution	1536*1536 px
Digital flat panel detector density value	16bit (655)
Image speed	20 (FPS)
Detector rotation angle	60°
Stage size	540*540mm
Detection speed	360°
X-Y stroke	800*1000mm
Examination range	0.02-45cm2
Machine size	1100*1360*1750mm(L*W*H)
Machine weight	950KG
operating system	WINDOWS 10
Power supply/power	AC110-220V 50-60HZ 1200W
Radiation safety test	<1 uSV/H
Stage movement	Automatic / manual
CE Certificate	Yes: STE23112101S
State immunity	Yes



Product highlights

MatriXcope MTC-8200XPRO inspection equipment has a wide range of applications, commonly used in the internal structure inspection of electronic components, common bubble voidage measurement, electrical short-circuit, break-circuit, weld defects, less welding, missing welding of the welding spot, foreign matters and cracks inside the internal part, etc. It has easy maintenance, long service life, simple operation, as well as reduce the training of operators, high inspection accuracy, allows a maximum 60-degree viewing angle to detect samples, etc.

Application:

1. Router
2. Wire harness
3. Monitor
4. Lithium battery
5. Wires
6. Fuse



Router



Wires



Wire harness



Electronic sensor



Battery protection board



Lithium battery



Monitor



Fuse



Functional Advantage:

Function	Advantage
CNC program: Automatically detect batch of different samples' locations	Automatically ON / OFF X-Ray tubes detect batch of samples
Array function: Automatically detect batch of samples with fixed position and same spacing	With high-stability and high-precision X-Ray tube
Bubble measurement: measure the bubble size, cavity rate, tin climbing height with one button	High definition digital X-Ray detector
Length and width measurement: the length and width of the measured inspection area	The stage can place a large number of samples of various sizes
Visual navigation interface: accurate positioning, accurate displacement from x - y with joystick	The stage can do 360° rotation to detect sample
Simulated color: to better observe and detect the image	Can do 60° tilt observations

