

Applications for medical science

- Inspection of bones and cartilages for small animals etc.
- Inspection of extracted internal organs (Cancer tissues etc.)
- Researches for basic medicine, pathology, anatomy, surgery, oral surgery, pharmacology, radioactive therapeutics.
- Verification of safety of medicines.
- Inspection of result of medicines.
- Irradiation on blood, cell, marrow etc.

Representative type of apparatus

CMB-2 / CSM-2 / CMR / M-80WE / M-150WE / OTHERS



Image processing and auto-measurement system

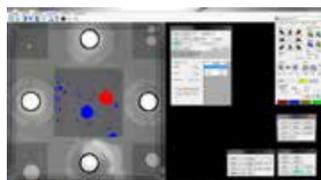
SOFTEX ZET series

This software can be measured percentage of voids area of semiconductor I • C, wire sweep and BGA solder ball area on the X-ray TFT monitor.

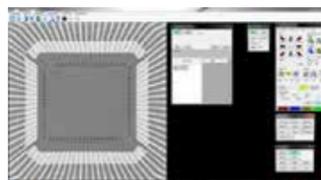
Measuring result are converted automatically into actual dimensions coupled with height of the Z axis of working stage, and displayed on the monitor with statistics all of which can be filled.



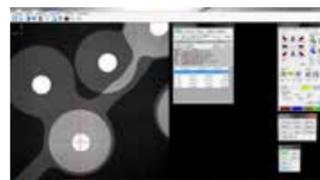
BGA solder ball measurement



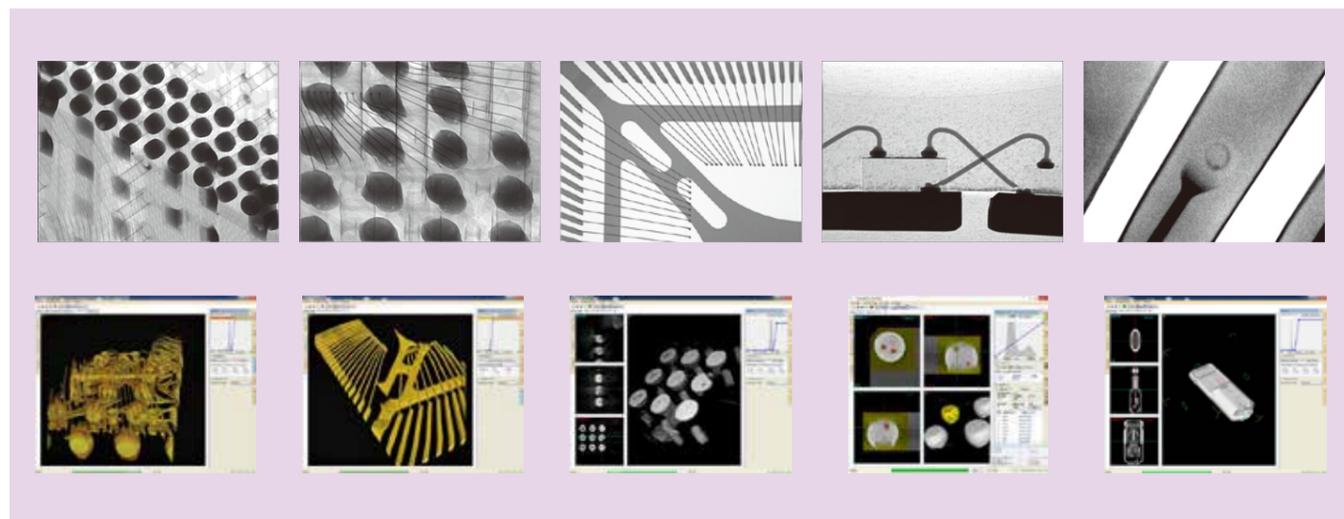
Area measurement



Wire sweep measurement



displacement measurement



CUSTOMER SUPPORT

You can consult anything with SOFTEX staff who specialized in the apparatus. We have also "System laboratory service", where we provide you trial and training.

※Published specifications and product appearance are subject to change without notice.

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SOFTEX CO., LTD.

ALLOWS MEDICAL SCIENTISTS TO STUDY
THE HUMAN BODY'S INTERNAL STRUCTURES.

PROVIDES ENGINEERS WITH THE ESSENTIAL KNOWLEDGE
OF INDUSTRIAL MATERIALS.

ENABLES SCIENTISTS TO INSTRUCT CLEARLY
THE ATOMIC INTERIOR STRUCTURES.

EXCEPTIONAL QUALITY SOPHISTICATED ADVANCED DESIGN

LINEUP	FEATURE	MAIN SPECIFICATION	LINEUP	FEATURE	MAIN SPECIFICATION
SFX series WORK LEADER series 	<ul style="list-style-type: none"> ● High quality micro focus X-ray generator is equipped to acquire sharp and clear image by both low and high magnification. ● SOFTEX original micro focus X-ray generator is equipped. <WORK-LEADR901 & 905> ● Sharp and clear image of minute defects in the BGA · CSP · and electric devices, voids and cracks in packages can be visualized in real time 	OUTPUT MAX Tube Voltage · Current SFX-90 & WORK-LEADER90 : 90KV 0.2mA SFX-100 & WORK-LEADER100 : 100KV 0.1mA SFX-130 : 130KV 0.3mA SFX-150 : 150KV 0.5mA Detector Soft X-ray I·I + Digital CCD (1.0Mg pixel). Total resolution About 3~5µm	SX series SX-103 · 104 	<ul style="list-style-type: none"> ● Specialized print circuit board (PCB) inspection model. ● Compact design with high performance. ● Intelligent image processor and video graphic printer equipped as standard. ● High resolution X-ray CCD camera ● Equipped pattern displacement measurement. ● High performance micro focus X-ray generator is equipped. <SX-104 only> 	OUTPUT MAX Tube Voltage · Current SX-103 : 60KV 2mA (mm focus tube) SX-104 : 70KV 0.1mA(micro focus tube) Detector SX-103 : Soft X-ray CCD camera. SX-104 : Soft X-ray I · I + Digital CCD (1.0mg pixel). Total resolution SX-103 : About 25µm SX-104 : About 7µm
Open type generator SFX-110 · SFX-160 	<ul style="list-style-type: none"> ● Open type X-ray generator. ● X-ray focus size about 0.4µm. ● Sharp and high contrast image can be realized on wide range of magnification. ● Auto focusing and Auto centering for easy beam adjustment. ● Auto aging can allow simple and easy warming up of X-ray system. 	OUTPUT MAX Tube Voltage · Current SFX-110G : 110KV 0.1mA SFX-160G : 160KV 0.2mA Filament Life SFX-110 : About 1500 hour SFX-160 : About 500 hour Detector Soft X-ray I·I + Digital CCD (1.0Mg pixel). <Beryllium window type> Total resolution S mode : About 0.25µm W mode : About 0.8µm	VIX series 	<ul style="list-style-type: none"> ● X-ray image intensifier tube (I·I camera) provides wide visible area and fine image. ● Both real time X-ray image on TFT monitor and X-ray radiography can be selectable. ● UP to 25.4×30.5cm X-ray film available ● Full wave rectification and fine small focus brings high contrast and sharp X-ray image. ● Output 100,125 and 150KV selectable on request. 	OUTPUT MAX Tube Voltage : 100~150KV MAX Tube Current : 3mA Detector Camera Type : 4~12inch inch I·I +CCD Visible Area : Φ100~Φ300mm Total resolution More then 2.5Lp/mm
Micro focus X-ray SHR-series 	<ul style="list-style-type: none"> ● SOFTEX original Micro-focus X-ray generator realize reducing running cost. ● Super resolution image by FPD ● Multipurpose non-destructive inspection is available by FPD declination. ● Improved usability High speed image capturing and mapping function. ● Optional function CT scan system , Auto judgment software 	OUTPUT MAX Tube Voltage · Current SHR-90 : 90KV 0.1mA SHR-100 : 100KV 0.1mA Detector Soft X-ray Flat-Panel-Detector Detector Angle +60Degree Total resolution About 5µm	Micro Focus CT system SFX-130 · 160 CT 	<ul style="list-style-type: none"> ● Realizes high image quality and accurate internal inspection. ● Resolution is twice as before. ● With micro focus X-ray System. ● SOFTEX CT system ● Various optional measurement functions. 	OUTPUT MAX Tube Voltage · Current : 130KV 0.1mA or 160KV 0.1mA Detector Soft X-ray X-ray I·I + Digital CCD (1.0Mg pixel). CT system Scan type : Offset / 180°/ 360° Total resolution About 7µm
Micro focus X-ray EMT-F <FPD> Desk top Machine 	<ul style="list-style-type: none"> ● High performance micro focus X-ray generator is equipped. ● Equips high resolution X-ray system & Flat-Panel-Detector. ● Desk top type ● Realize clear image without a skewness. 	OUTPUT MAX Tube Voltage · Current : 70KV 0.1mA Detector Soft X-ray Flat-Panel-Detector. Total resolution About 10µm	Micro focus X-ray EMT-J <I·I CCD> Compact Machine 	<ul style="list-style-type: none"> ● High performance micro focus X-ray generator is equipped. ● Equips high resolution X-ray system I·I + Digital CCD (1.0mg pixel) ● Compact type ● Realize clear image without a skewness. 	OUTPUT MAX Tube Voltage · Current : 70KV 0.1mA Detector Soft X-ray I · I + Digital CCD (1.0Mg pixel). Total resolution About 10µm