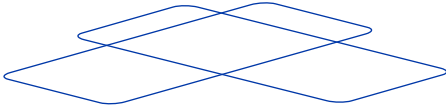


# LINX

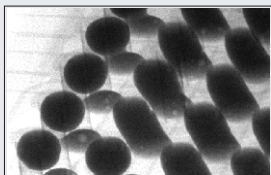
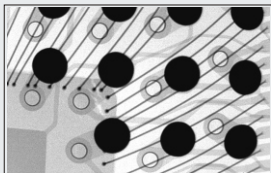
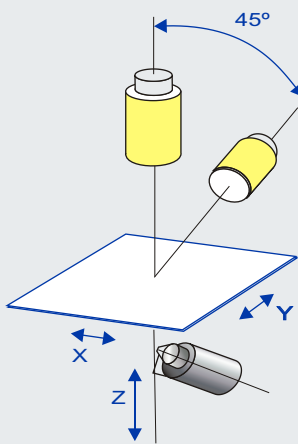


# X-TEK

Leading X-ray Technology

## COST EFFECTIVE X-RAY INSPECTION

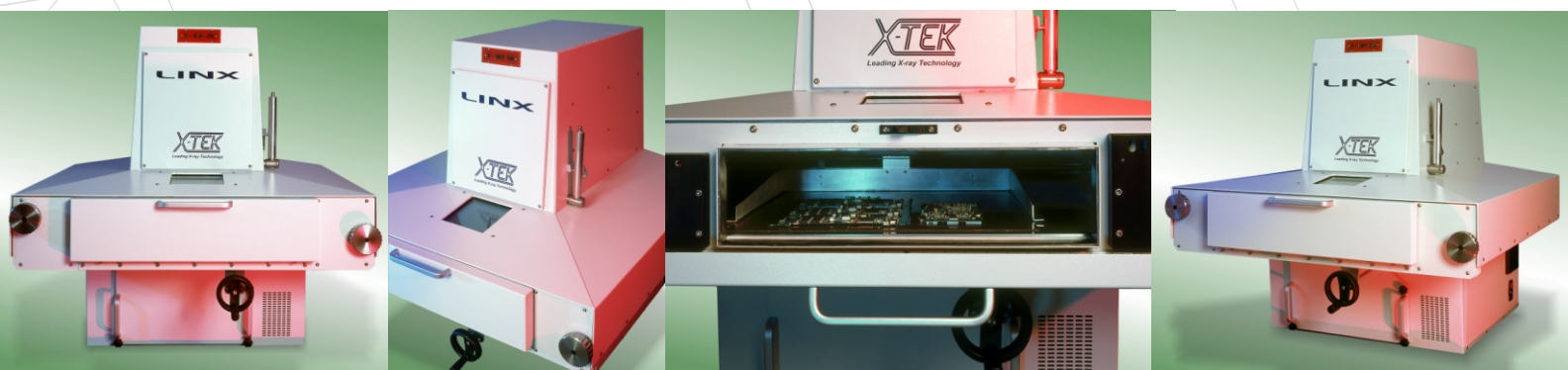
The Linx is a breakthrough in cost effective x-ray inspection and an effective means of process evaluation. This compact system is suited to a broad range of applications including BGA, flip chip, PCB layer alignment and general surface mount inspection for contract manufacturers, universities and research laboratories. This user friendly system offers ease of operation and minimal training.



The Linx has an advanced range of features at a base level price, these include:

- State of the art 100kV 'open-tube' x-ray source for high resolution imaging
- Patented integral generator tube design for low maintenance and small cabinet volume
- True microfocus: imaging capability better than 5 micron
- 16" x 16" board capability, easy loading operator access door
- 100% sample scan area for maximised sample viewing and analysis
- Magnification capability up to 250x
- Simply controlled manipulator X, Y, Z
- Adjustable image intensifier and source enabling oblique angle viewing of sample (tilt axis)
- Direct-to-monitor real time imaging for instantaneous fault analysis
- Optional PC controlled 'iXS' software imaging system, with BGA analysis
- Compact cabinet: 980mm H x 1020mm D x 950mm W

The system is fully interlocked and conforms to all international radiation guidelines including FDA & UK ionising radiation regulations (1999)



## Linx Specification

### GENERAL:

Configuration:	Vertical x-ray beam, imaging through horizontal sample tray scanned in X and Y axes. All axes manually controlled
Geometric magnification:	Up to 80x
System magnification:	Up to 250x
Feature recognition:	Better than 1 micron

### X-RAY SOURCE:

Type:	100XiR vacuum demountable (open-tube) microfocus
Output:	0-100kV, 100 $\mu$ A
Target:	Tungsten
Cooling :	Air cooled
Control:	Control module housing Key switch, kV on, kV and mA adjustment controls, and LCD status display

### SAMPLE MANIPULATOR:

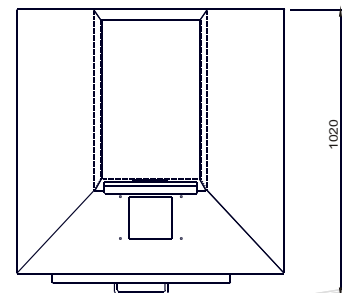
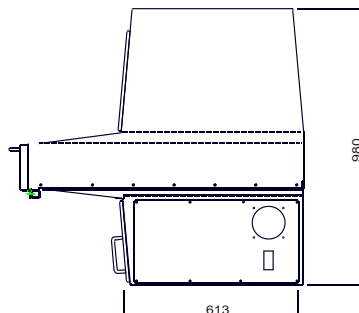
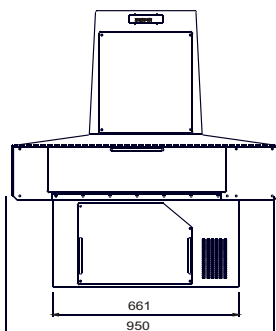
Manipulator axes:	X and Y axes scan 405mm x 405mm (Z axis by adjusting x-ray source height, tilt axis on image intensifier)
Sample tray:	Carbon Fibre base (conductive to give ESD protection)
Tray capacity:	Max 3kg
Max sample height:	100mm

### IMAGING SYSTEM:

X-ray detector:	High resolution four inch x-ray intensifier, Rodenstock lens, high-resolution CCD camera
Image display:	13" flat panel TFT monitor Optional PC based iXS image processor with auto BGA void calculation, wiresweep, die attach analysis, drill offset measurement.

### RADIATION CABINET:

Frame:	Steel frame lead lined enclosure with lead glass viewing window Hinged door: 450mm W, 110mm H
Sample location:	Laser pointer identifies x-ray beam Internal lighting
X-Ray shielding:	Radiation protection better than 1 $\mu$ Sv/hr at maximum power. All access points double interlocked. Meets all FDA & UK ionising radiation regulations(1999)
Size:	980mm H x 1020mm D x 950mm W
Weight:	350kg
Power consumption:	Inc. monitor: 100-240v, 750 watts 1ph



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