X-SCAN IMAGING CORPORATION

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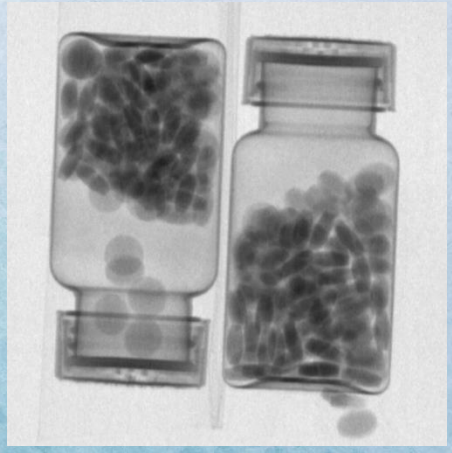
X-Ray Time Delay Integration (TDI) Camera

XTI90802 TDI 0.2mm

X-Scan Imaging has expanded the selection of Time Delay Integration (TDI) cameras to 0.2mm resolution with the new 8 stage 90802 series detectors. Increased sensitivity compared to traditional LDAs provides higher signal to noise ratio and the opportunity to reduce X-Ray source power. Double the resolution compared to standard 0.4mm LDAs while retaining similar signal level.

Key Features:

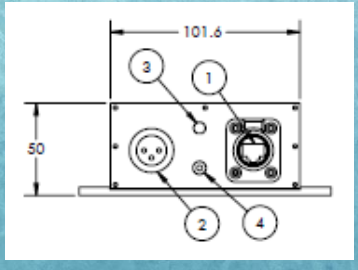
- 0.2 mm resolution
- High signal to noise ratio
- 8 Stage TDI for high sensitivity
- Readout rate matches existing 0.4 mm systems up to 1.2m/s
- Dual Energy Configurations Available
- GigE/Camera Link/USB 3.0
- Software development kit (SDK) with application programming interface (API)

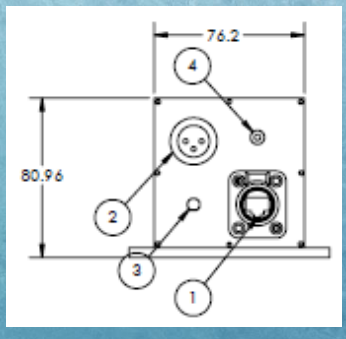


Applications:

- Food
- Electronics
- Fabricate and material sorting
- Pharmaceutical

Standard Cross Sections
Lengths 12 to 72+ inches in 6 inch increments

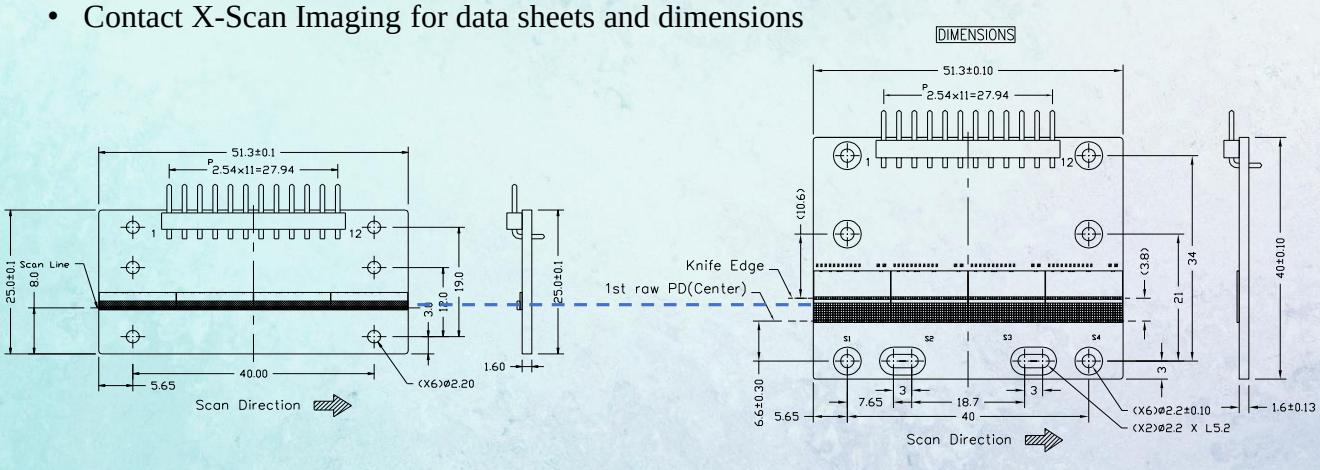




XB90802 TDI Sensor Board

Compare to 0.4 mm LDA boards:

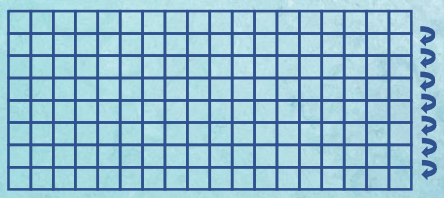
- Retains a similar signal level to 0.4 mm LDA boards at the same scan speeds
- Scan speed up to 1.2m/s
- Drop in replacement for standard 0.4 mm LDA boards
- Physical variation from standard 0.4 mm boards shown below
- Contact X-Scan Imaging for data sheets and dimensions



Principle of Operation 'Multiple Exposures'

8 integrated multiple exposure compared to single shot LDA

XB90802 TDI 0.2 X 0.2mm



Area 0.2 X 0.2 X 8 = <u>0.32</u>

G7=GRZ Plus

XB8804 LDA 0.4mm X 0.6mm

Area 0.4 X 0.6 = 0.24

G1=DRZ HI: 0.24 X 1.25 = <u>0.30</u>

Benefits

- High resolution at high speed
- Compared to LDA, reduce X-Ray source power for same signal
- Drop in replacement to 0.4mm up to 1.2m/s up to 18 inch detector length
- More Signal to Noise ratio
- Software Binning to 0.4 mm

This information for reference only, subject to change.