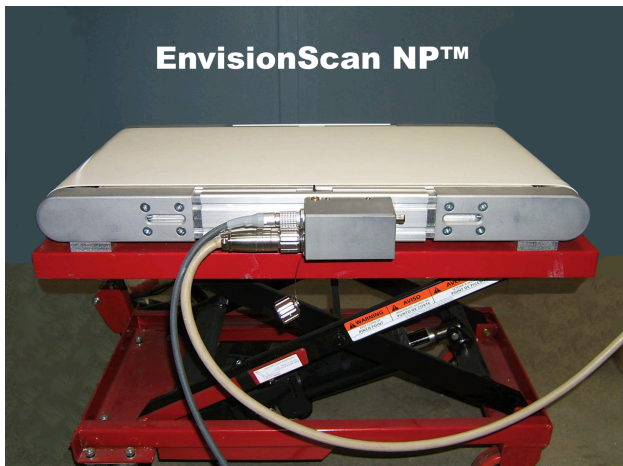


EnvisionScan NP™

ES NP 5/06

Real-time Digital X-ray with High Resolution and No Parallax



A new CMOS X-ray panel system for inspection of packaged products, trays of parts, castings, etc. High resolution* x-ray image are acquired in real-time, in increments, or continuously. Best of all, the items are imaged without parallax along the direction of travel.

EnvisionScan NP panels include an integrated conveyor and are available in a range of sizes from 3" to 24" wide. The panel can be placed within an existing cabinet in the place of x-ray film, CR cassettes, aSi flat panels, or image intensifiers.

EnvisionScan works with conventional CP X-ray sources, but without film, chemicals, or waiting for results.

* 30% better resolution than amorphous silicon flat panels, and greatly outperforms CR and image intensifiers for image resolution and image quality

Specifications

imaging area:	3", 6", 12", 18", or 24" wide by any length (incremental or continuous)
outside dimensions:	5" wider than imaging area, 3" thick, conveyor length is typically twice the width but can be any length up to 10'
scan speed:	1.6 inches per second for light density at 80 micron resolution (scanning speed varies according to material density, radiation energy, and distance)
response:	30 - 450 Kv X-ray in five energy ranges
spatial resolution:	80 micron (0.003") pixels, 6 lp/mm without geometric magnification
fill factor:	> 90%
bit depth:	12 bit (4096 grayscale)
range:	30' cable provided, 60', 100' options
workstation:	>3.2 GHz Pentium 4, dual redundant 250 GB hot-swappable hard drives, 2GB RDRAM, CD-RW/ DVD-R, 10/100 Ethernet, 24" or 30" TFT LCD (2.3/4.1 mega-pixel) display
software:	Windows XP Pro, iX-Pect software package including x-ray image acquisition/enhancement, scan manipulation, and image management
presentation:	Zoom to 400%, contrast-enhance, colorize, measure, emboss, edge-enhance, filter, and save on CD or DVD as <i>.pix</i> , <i>.bmp</i> , <i>8 or 16 bit .tif</i> , and <i>Diconde</i>
power:	< 150 Watts total, 110/220 v, 50/60 Hz

Specifications subject to change without notice

www.cmosxray.com

Envision Product Design 7800 King St. Anchorage, Alaska 99518 907-563-1141 Fax 907-563-1142