XYD Automatic /Manual Digital X-ray Inspection System

These systems are widely used in military, electric, oil, chemical, refractory, pipeline, casting, boiler, automotive, pressure container, steel construction, aviation and other industries for non-destructive testing.

System Composition

● X-ray Source

● Imaging System

● Inspection platform

● Computed Image processing System

● Lead cabinet

Main Parameters

● System resolution：16Lp/cm~40Lp/cm 50Lp/cm~60Lp/cm

● System sensitivity：0.7%~2％

● Tube voltage range：20kV~450kV

● Tube current range：0mA~20mA

Detector Option ● By flat panel detector

● By high resolution linear detector

● By image intensifier

Main Functions of Image Processing Software

●Electric shoot, images can be stored by formatted text

●Window and position technology, various flatness reducing noise choices

●2-512 image de-noising technology, improving resolution ratio and sensitivity of pictures

●Edge enhancement, sharpen negative image, artificial color, real-time image magnify and shrink

●Flaw size measurement and grey scale measurement

●Inspection date, operator name, flaw type, serial number of workpieces tested can be recorded and report can be printed out.

●ROM, result report could be printed

●Laser orientation

●Dynamic storage and dynamic playback

●Set with application software, performing automatic identification.

●Own the Auto-control function for the image flaws

Mechanical Detection Scanning Platform

●Basic type: four-axis motion detection scanning

●Standard type: five-axis motion detection scanning

●Function type: multi-axis motion detection scanning

Radiation protection

According to national standards.

Fully integrated with XVu Diconde compliant Software