

**IntraPhase Portable Phased Array Inspection System** manufactured by WesDyne NDE Products & Technology consists of a battery operated 16/64 phased array acquisition system integrated with a ruggedized tablet computer running standard IntraSpect software . The system can perform manual live sector scans, encoded data acquisition (both semi and fully automated), analysis, and storage of the data. The tablet PC can be removed from its dock with the phased array module for offline analysis.



### Complete System:

- Tablet PC and 16/64 Phased Array System with Acquisition /Analysis software and Battery
- Total weight 4.5 kg, 10 lbs.
- W 10”(250mm) x D 9” (230mm) x H 5” (127mm)

### Data Analysis Standard Features

- Data Acquisition and Data Analysis on Windows XP tablet PC.
- Simultaneous C-scan, Sector-B-Scan, and A-scan Display.
- Color Maps, Gates, and Variable Range can be altered for the graphic displays.
- Time-of-Flight and Amplitude Based Statistics Functions.
- Fast Fourier Transform (FFT) Function.
- Weld Overlay Function.
- RF or Video acquisition and display modes.
- Projection and Volumetric Displays for better visualization of Phased Array Data.

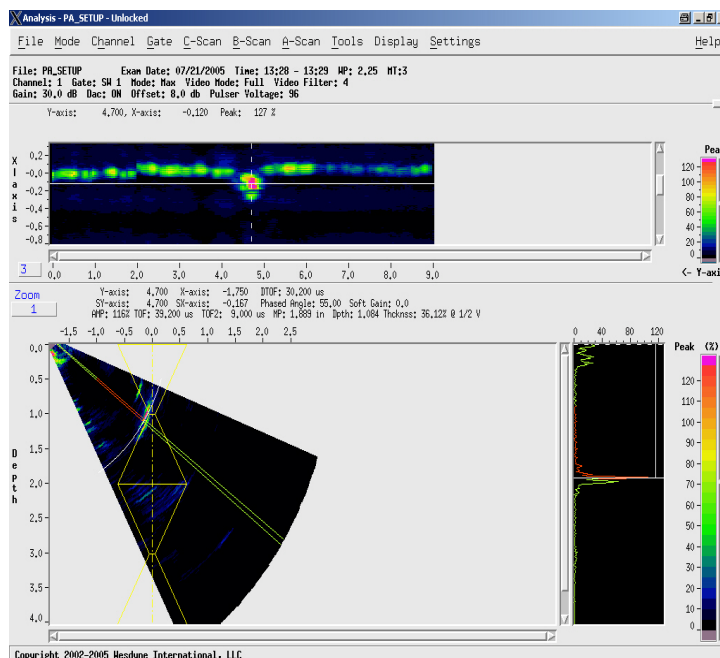
### Data Acquisition Standard Features

#### Phased Array System Features

- Number of pulsers/receivers in system: 64 maximum
- Number of pulsers/receivers to fire as one group: 16
- Maximum Number of focal laws: 520
- Features are controllable per firing sequence
- Delay per element step size: 5 nanoseconds
- Pulsar Voltage: 10V to 80V tunable square wave
- User selectable A/D rate: 10, 20, 25, 33, 50, and 100 MHz
- Manual live A-Scan and Sector B-scan display
- Manual Encoded data acquisition
- Automated data acquisition with optional motion control and scanner

#### Receiver Section Features:

- Frequency Response: 0.15 MHz to 16 MHz.
- Dynamic Range: 94 dB in 0.5 dB increments
- DAC Dynamic Range: 40 dB
- Acquisition Modes: Conventional UT, Sector, Skew, DDF.



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