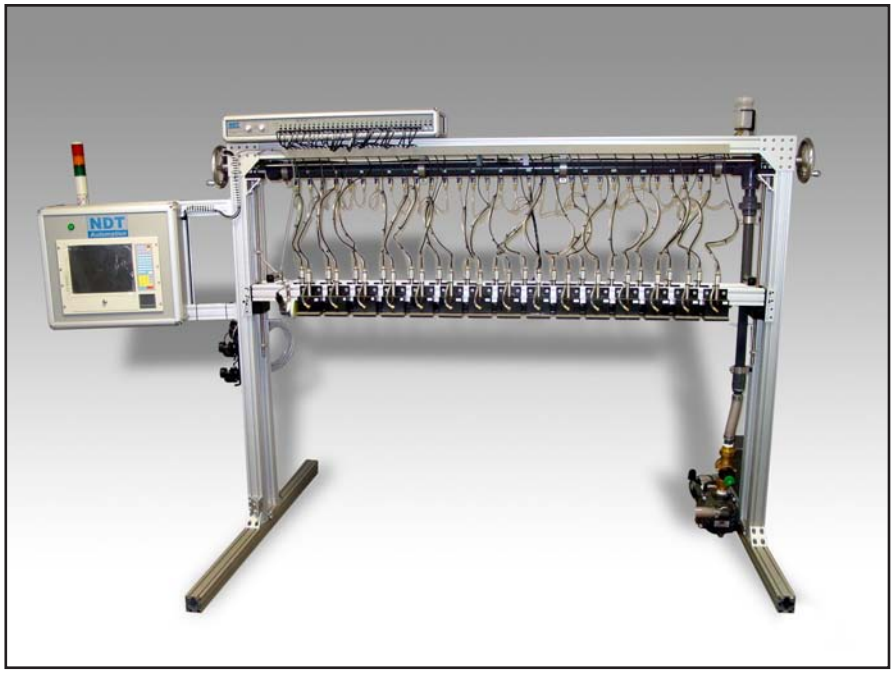
MISTRAS
A World of NDT Solutions
Products & Systems Division

Large Plate, High Speed, Ultrasonic Inspection Systems

Our large plate inspection systems are designed to provide a solution for large, fast moving plate (or other geometries) linear delamination and defect inspection at production linerates. Typical applications include:

Mills • Metal Plate or Roll Fabricators • Pipe Manufacture

The large plate inspection system concept utilizes a high performance multiplexer to provide high speed, solid state scanning capability. This feature permits a large number of application-specific transducers to be sequenced quickly, emulating a "virtual scanner" for obtaining a C-Scan based image and analysis of large, rapidly moving plates, pipes or other similar materials. The ultrasonic setup permits the user to set the sensitivity of the system and also creates a permanent record of the inspection. In addition, these systems are equipped with paint or other marking systems that enable on-site inspectors to locate and repair or remove marked sections quickly.



30 transducer Large Plate High Speed Ultrasonic Inspection System for inspecting steel plates up to 80 inches (2 Meters) wide, placed over an existing conveyor.

System Features:

- Standard widths to customer specifications
- Inspection speeds are based on user flaw requirements but processing speeds in excess of one meter per second are achievable with 100% coverage
- System is encoded to accommodate variable speeds and locate paint marking
- Transducers are a function of user requirements with virtually unlimited choice

195 Clarksville Road, Princeton Junction, NJ 08550 USA
Phone: (609) 716-4123 • Fax: (609) 716-0706
Email: sales.systems@mistrasgroup.com • www.mistrasgroup.com

Copyright © 2009 MISTRAS Group, Inc. All Rights Reserved. Specifications subject to change without notice.