Rotor Bore Inspection

The most experienced supplier of generator and turbine rotor bore inspections

WesDyne continues to lead the way…

- with an experience base for rotor bore inspection that is unmatched in the industry. Since 1975 WesDyne has performed several thousand rotor bore inspections.

- in rotor bore inspections under the direct supervision of a Rotor Bore Process Specialist who has been certified to ASNT and WesDyne standards for non-destructive inspections of rotor bores.

- by performing bore surface inspections utilizing either Magnetic Particle or Eddy Current methods. Eddy Current inspection of the bore surface can be performed in conjunction with the Ultrasonic inspection.

- with a TG engineering and technical staff, that has on average over 16 years experience. WesDyne personnel are the most knowledgeable and competent in the industry for non-destructive examinations on turbine-generator equipment, regardless of OEM.

WESDYNE INTERNATIONAL
NDE SERVICES AND SYSTEMS

A Powerful Part of Your Team

WESDYNE has inspected TGs for over
30 years.

WESDYNE has service experience with
300 utilities worldwide.

WESDYNE technical staff has on average over
16 years experience.

WESDYNE has inspected over
1000 rotor bores.

System Specifications

Rotor Bore Scanner

WesDyne's Rotor Bore scanner is designed for the inspection of turbine or generator rotors. It has been successfully used for both in frame and out of frame inspections.

Rotor Length	Up to 50 feet
Bore Diameter	2.4 to 24 inches
Search Units	6 UT and/or ET 2.25 and 3.5 MHz UT single or dual element Ghent 3 ET probe
Axial Position Resolution	0.001 inch
Axial Position Repeatability	0.010 inch
Circ. Position Resolution	0.010 degree circumferential
Circ. Position Repeatability	0.100 degree circumferential
Scan Speed	6 in/sec circumferential

PARAGON™ Data Acquisition System

Precise data acquisition techniques, combined with the signal recording and processing features of the WesDyne PARAGON™ system, permit accurate discrimination and characterization of flaws. Permanently stored data can be used for subsequent flaw evaluations and for future monitoring of subcritical flaws.

Operating System	Microsoft Windows NT
CPU	Dual 1 GHz Intel Pentium™
DRAM	1 Gbyte
Scan Rate	Up to 6 inches per second
A/D Converter	12 bit, 125 MHz digitizer
Pulser/Receiver	16-channel

Count on WESDYNE for all your
NDE inspection services.

WESDYNE INTERNATIONAL
NDE SERVICES AND SYSTEMS

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