

AMS-41 - Wind Turbine Tower Scanner



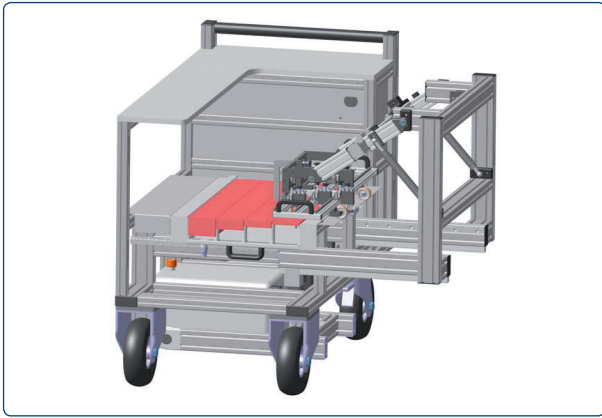
AMS-41 set-up for scanning of butt weld

From manual to automatic

The AMS-41 scanner is designed to deliver a fast and reliable ultrasonic inspection of the circumferential welds on wind turbine towers or similar constructions.

From hours to minutes

An ordinary inspection of a circumferential weld or a flange weld on a wind turbine tower can take hours depending on the size of the tower and the number of flaw indications.



Scanner set-up for scan of calibration blocks

With a scanning speed of up to 35 mm/s, the AMS-41 is capable of reducing this long inspection time from hours to minutes regardless of the number of flaw indications. Saving man-hours and overall production time.

The tower is simply scanned on the roll support with the AMS-41. After the scan is completed the AMS-41 and the trolley can quickly be moved to the next weld on the tower.

After the scanning, the result can be saved on DVD to provide easy access documentation of the scan.

Calibration

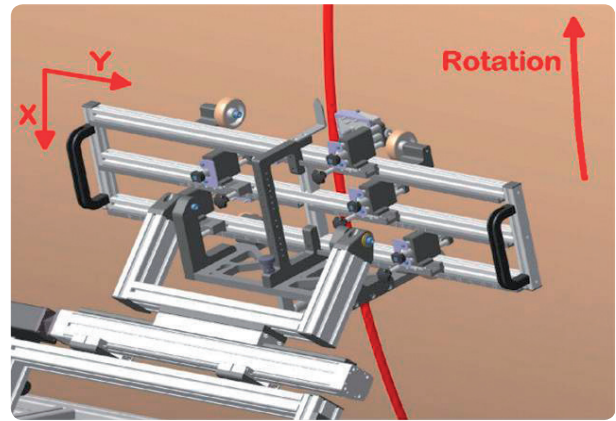
Fast calibration. The trolley has been prepared for installation of calibration blocks. The flexible calibration concept is easily fitted to the individual task.

Coupling water

The coupling agent that is used with the AMS-41 is simply water. This eliminates the unpleasant coupling gel normally used at an ultrasonic scanning.

P-Scan System 4 or P-scan Stack System

It is possible to control the AMS-41 with either P-scan System 4 or the P-scan Stack System. Both systems are designed with special attention to fast set-up time, small equipment size, and usability, thereby offering increased productivity in use.



Coordinate system used by P-scan System-4 software

Furthermore, both systems are flexible and have the ability to adapt to different scanning situations and cover all major ultrasonic inspection techniques.

Reliability and durability

When a reliable weld inspection is required the AMS-41 tower scanner is the perfect choice.

Our experience with durable around the clock service to the oil, gas and wind industries, makes us capable of providing you with an agile expert service within these areas.

Summary of scanner features

- Robust and high quality automated inspection
- Reduction of inspection time
- Scanner handling by only one operator
- Thorough documentation and storage of results
- Scan wall thickness from 8 mm up to 70 mm
- Scan at a velocity of up to 35 mm/sec.
- Butt welds and flange welds can be inspected
- Water as coupling agent
- Applicable for pulse-echo and TOFD inspection.

Further information

E-mail: sales@p-scan.com