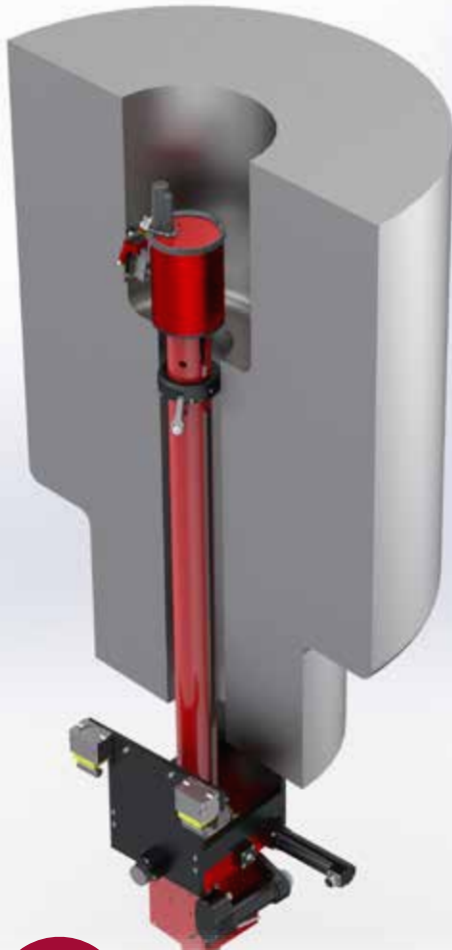




Structural Integrity
Associates, Inc.®

AUTOMATED BORE ACCESS SCANNER




Accurate placement and precise movement of NDE probes is critical to the success of an inspection. The Automated Bore Access Scanner is a custom scanner designed and fabricated by SI. It utilizes three (3) axes of motion to accurately position an ultrasonic phased array probe or eddy current array probe on the inner surface of a vessel bore hole. This portable scanner is easy to transport and setup on-site. The vertical and rotational axes are encoded and use a motor control drive unit (MCDU) to control the speed, zero point, and position to an accuracy of 0.001 inch (0.03 mm). The third axis places the probe with a constant force against the inside of the bore to be inspected. The scanner has magnetic feet that hold it to ferromagnetic materials, or cross-arm braces can be used for non-magnetic materials.



Used to deploy ultrasonic and eddy current probes on the inner surface of vessel bore holes

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Currently designed for 2 inch – 16 inch (50 – 406 mm) diameter bores, with lengths up to 40 inches (1016 mm) customizable for other sizes

Encoded 3 axis motion allows for precise probe placement