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BULLETIN 453

MAGNETIC ANALYSIS CORP.

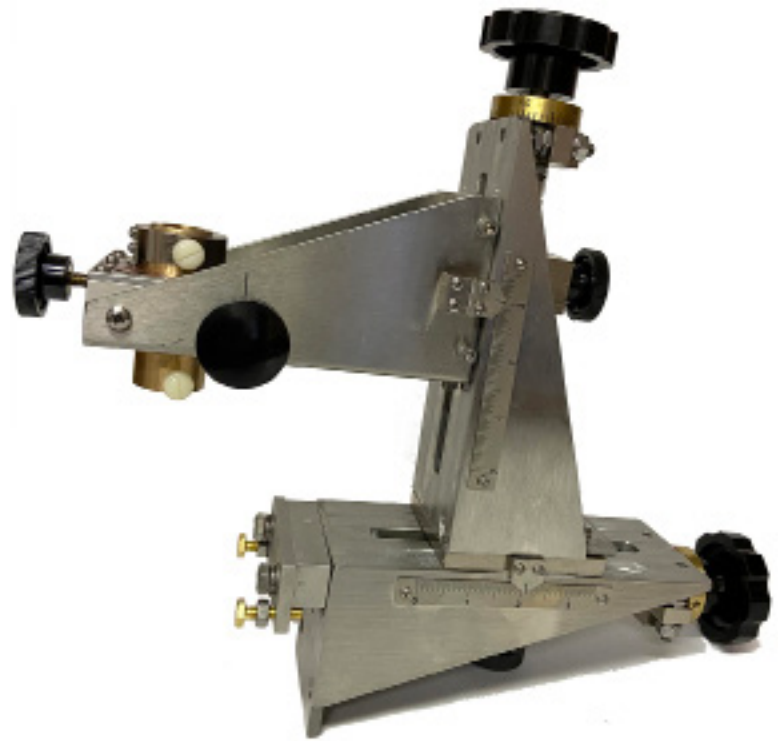
Precision Ultrasonic Transducer Positioners with Multi-Axis Micrometer Control

The provision of additional highly calibrated directions of motion in the models described in this bulletin extend the capabilities of the long-accepted TACTIC Model 45 series of transducer positioners. Their design couples micrometer accuracy with easily read scales and positive locks. These precision mechanisms provide ruggedness, stability and fineness of control equally appropriate for the research laboratory or production inspection facility.

Special mounting rails allow the positioners to be located in any position on the front and back of the tanks on TACTIC tube and bar testers. Up to six positioners may be used in the large Model 764 and 765 tanks.

Model 45-9 Positioner

Precise control of angulation about the search tube axis, in addition to micrometer controls of vertical and horizontal displacement, allows this positioner to be used with right angle transducers, deflectors or adapters for any type of tube or bar inspection. It is equally applicable for shear or Lamb wave testing for longitudinal or transverse defects in tubing or for longitudinal wave inspection of tubing wall thickness and internal bar defects.



Model 45-9 Positioner

Model 45-9 Gear Box

The gear box from the model 45-9 can be ordered separately. When combined with a search tube and a model 140 positioner (see bulletin 1400) calibrated circular rotation as well as angular rotation can be achieved. A blank brass mounting plate makes installation on a tank bridge or other structure easy.

SPECIFICATIONS	
Model	45-9
Centerline Displacement	
Range	0 - 3.5"
Calibration	.001"
Height Adjustment	
Range	0 - 3.5"
Calibration	.001"
Calibrated Angular Adjustment about Search Tube Axis	
Range	$\pm 90^\circ$
Calibration	0.25°



Model 45-9 Gear Box

Contact us for more information about our Model 45-9 Positioner and Gear Box.