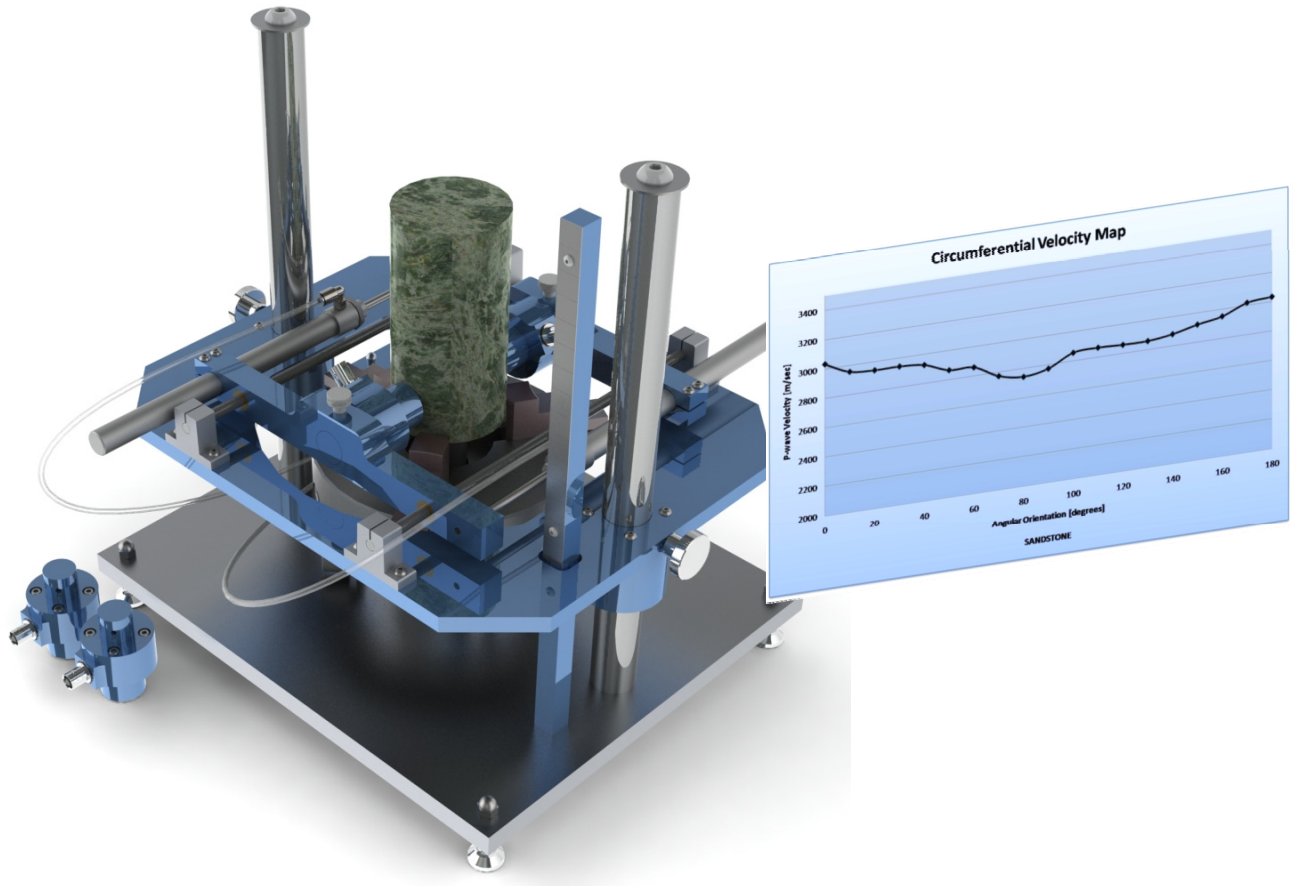


Circumferential Velocity Anisotropy Apparatus (CVA-100)



- Measurement of P-wave and S-wave velocities with the included transducers
- Map of P-wave and S-wave velocities vs. orientation angle
- Includes turntable with vernier scale for precise measurement of angular orientation of the specimen
- Pneumatic actuators for automatic clamping of sensors onto specimen
- 200 kHz or 1 MHz frequency crystals, other frequencies available upon request
- 100 mm (4 inch) maximum specimen diameter
- Very easy to set up and use.
- Requires GCTS ULT-100 or any other suitable ultrasonic measurement device

DESCRIPTION

The GCTS CVA-100 Circumferential Velocity Anisotropy Apparatus is used to determine the compression P-wave velocities and shear S-wave velocities in rock core specimens in different orientations.

This apparatus when used with a GCTS ULT-100 or a suitable ultrasonic measurement device, can obtain the velocity versus angle and height data with relative ease and precision.

SPECIFICATIONS

Standard apparatus includes:

- P-wave and S-wave ultrasonic velocity transducers (source and receiver), which come in standard frequencies of 200 kHz or 1 MHz.
- High quality anodized aluminum construction of the base, columns and the supporting jig for the ultrasonic transducers
- Pneumatic actuators with return toggle switch for quick and accurate transducer positioning on the sample. Includes air lines and quick-connect fittings for compressed air input.
- Turntable with precise vernier scale and fasteners for samples with up to 100 mm diameter.
- 40 cm (H) x 32 cm (W) x 30 cm (L). 20 kg mass.

NOTE: Pneumatic actuators require compressed air input.