

Model RBF-200 / RBF-200HT



FEATURES & BENEFITS:

- Simple Setup
- Easily Prepared Samples
- Constant, Reliable Testing
- Fast, Accurate Results
- Built to Last

SPECIFICATIONS:

200 in.-lb. bending moment
Up to 1800° testing (HT Model)

Collet Size: - 1/4", 3/8" & 1/2"

Speed: 500 to 10,000 cycles/min

Counter: Up to 99,999,900 cycles

Size: 34"L x 11"H x 6" W

Weight: 97 lbs.

WARRANTY:

1 Year

OPTIONAL ACCESSORIES:

Corrosion Chamber Attachment

Wire and Tubing Attachment



Systems Integrators and our RBF model line of rotating beam fatigue machines accurately and economically test a broad range of materials and under reverse bending stress. Accurate test results require high quality, consistent test specimens. Fatigue Dynamics has helped numerous customers in this critical phase of fatigue testing and has produced tens of thousands of test specimens. You can prepare your own test specimen or have Fatigue Dynamics prepare them for you!

DESCRIPTION

We offer rotating beam test machines like the **RBF-200** with bending moment capacities ranging from 60 in.-lb. to 1500 in.-lb. Optional accessories (**RBF-200HT**) include a high temperature furnace (up to 1800°F), furnace temperature controller, and corrosion chamber. Our rotating beam machines are designed and manufactured by us for durability and simplicity. Designing and manufacturing for durability helps assure **ACCURACY** of results and **CONSISTENCY** of testing over time.

PROCEDURE

The test stress is determined by selecting a percentage (%) of the tensile strength of the test material and converting that value into a bending moment. After the specimen is mounted into the machine collets, the speed control is adjusted to bring the machine up to the desired speed; the poise weight is then positioned on the calibrated beam to the bending moment previously calculated and locked into place.

