

# BMT-D SERIES SERVO HYDRAULIC FATIGUE TEST MACHINE

www.besmaklab.com

## Description

**BESMAK® Servo-hydraulic** systems are the workhorse of any laboratory. They can perform a wide variety of low and high cycle fatigue, crack propagation, fracture toughness and other dynamic tests. Each system can be readily configured with appropriate sized servo valve, manifold and hydraulic power unit to suit the particular application.

All systems are equipped with the advanced features of the SEMATRON Controller, Dynamic Testing Software and unique fatigue-rated load cells. BESMAK® Universal™ Dynamic Testing Software provides the backbone for running many dynamic tests. Another application specific software module allows other standardized tests to be run. These dynamic systems, when combined with BESMAK® Universal™ Dynamic Testing Software and appropriate accessories, are ideal for running a variety of static tensile, dynamic, fatigue, compression, flexure, peel, tear and friction and many more tests.

## MAIN FEATURES

- Up to  $\pm 1000$  kN axial force capacity according to customers or/and test application requirement
- Designed for both dynamic and static testing on a variety of materials and components
- Highly stiff, floor-standing Servo-Hydraulic load frames for different ranges of force requirements
- High-stiffness, precision-aligned load frame with twin columns and actuator in lower base
- Standard or extra-height frame options available
- Versatile and User-friendly software with powerful test design capabilities
- Digital controllers with high channel density, High-capacity and superior configurability
- Special fatigue rated load cell
- Rugged, High-performance grips and fixtures
- Wide range of grips, fixtures, and accessories
- Compatible with a large range of grips, fixtures, chambers, video extensometers, protective shields, and other accessories
- Choice of hydraulic configuration and dynamic performance to suit application
- Advanced BESMAK® Universal™ Dynamic Testing Software



info@besmaklab.com

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+90(312) 815 56 20

Saray Mahallesi Aksoy Caddesi  
No:53 Kazan-Ankara/Turkey