

# PWS-E100

## SERVO HYDRAULIC FATIGUE TESTING MACHINE



### Main Application

This machine is mainly used to make test on Metal / Non-metal materials and other component parts for the Traction / Compression / High-Low frequency fatigue testing experiments. By equipping with different software, this machine is able to achieve all kinds of mechanical function experiments. PWS series Fatigue Testing System is widely be adopted by Aerospace industry, Vessel Production and Military industries for the material fatigue testing.

### Technical Specification

Model No.	PWS-E100
Machine Type	Floor type, Twin columns structure.
Max static load capacity	100kN
Max dynamic load capacity	±100kN
Max. amplitude of actuator	±250mm, ±0.5 % F.S
Accuracy of Load cell	0.5%
Accuracy of displacement	0.5% F.S
Accuracy of deformation	0.5%
Frequency range	0.1 ~250Hz
Main Test curve	Sine wave, Square wave, Triangle wave, Oblique wave and other input wave
Distance of two columns	620mm
Max testing space:	1100mm
Servo-Hydraulic Pumping oil source	46L/min, 21Mpa, Power 18KW
Counter capacity	0~99999999
Net weight of mainframe	1800kG
Load frame size	890x620x2600mm
Pump size	1500x1200x1200mm