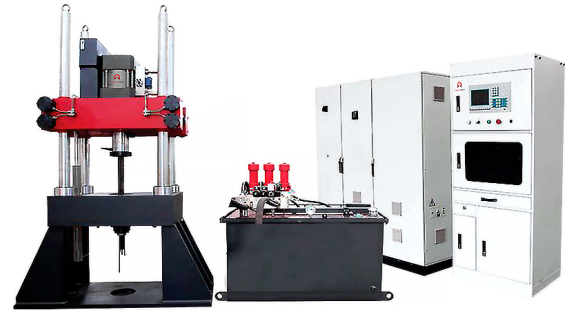


Application

Axial Load Fatigue Testing Machine is specially designed to conduct axial load fatigue test on strand according to ISO 15630-3, the axial load fatigue test consists of submitting the strand to axial tensile force, which varies cyclically according to a sinusoidal wave-form of constant frequency in the elastic range. The test is carried out until failure of the strand or until reaching, without failure, the number of load cycles specified in the relevant product standard.

This machine is powered with a servo-hydraulic power pack which controlled through software where testing curves and testing results are automatically obtained, the actuator is mounted on the upper crosshead who could be freely positioned on four posts to meet different vertical spaces on test pieces of different lengths.



Specifications

Load Capacity	kN	±1000
Measuring Range	kN	20-1000
Load Accuracy	%	±1%
Vertical span	mm	3000
Horizontal Span	mm	1000
Loading Stroke	mm	±100
Frequency	Hz	0.1-8
Anchorage		3 hole or 5 hole
Machine Dimensions	mm	2200*880*3500
Power consumption	kW	90

General Specifications

- Position measurement accuracy:
 - ±0.01% of reading or 0.0001 mm, whichever is greater
- Power supply:
 - Three phase 380VAC, 50-60 Hz, Power must be free of spikes and surges exceeding 10% of the nominal voltage.
- Humidity Range:
 - 10% to 90% non-condensing,
- Storage Temperature:
 - -40 to +66°C (-40 to +150°F)

Note:

- Power supply system is completely customizable.
- Specifications are subject to change without notice.

