

## High-Speed Fatigue Test Systems /KASON-PLG-C High Frequency Fatigue Testing Machine



### Introduction:

PLG Series Electromagnetic Resonance Fatigue Testing Machine is used for fatigue tests on metallic materials and components under tension, compression or reversal load. Equipped with relevant grips, three-point bending test, four-point bending test, tension and compression of sheet sample test, tension and compression of circle test, gear wheel, bolt, connecting rod, roller chain, crackle expanding tests can be done on this machine. The series of testing machines undergo optimization design, the structure is rational. The automatic controlled system adopts the advanced pulse wide control system and new-type power amplifier to improve the reliability of the electric system .

It has high efficiency, easy to shake, no-stop shake, low energy consumption, high controlling accuracy, small fluctuation. The machine is complied with DIN50100.

### Specifications

Model	PLG-50C	PLG-100C	PLG-200C
Max. test load	50KN	100KN	200KN

Max single-track pulsation test load	100kN	100kN	200kN
Max. Dynamic test load	±25KN	±50KN	±100KN
Load measuring range	1%-100%FS		
Static indication accuracy	±1%		
Dynamic loading accuracy	±1%		
Frequency	50~250hz		
	±1%		
Max. distance between grips	500mm		700mm
Max. distance between columns	500mm		600mm
Load frame dimension	780*630*2250mm		100*800*2550mm
Control dimension	550*550*750mm		
Weight	2200KG	2500KG	5500KG
Work Environmental temperature	5°C-40°C		
Power Supply	AC220V±10%, 50HZ		
Optional: high temperature furnace and high temperature extensometer, fatigue crack rate test;			