



• **APPLICATION**

It is mainly used to detect the static and dynamic mechanical properties of tiny material samples, parts and components, and elastomers. It can realize fatigue tests such as tension, compression, and bending, as well as high-cycle fatigue, low-cycle fatigue, crack extension, fracture toughness and other tests, and realize various waveform outputs such as sine wave, triangle wave, and square wave. Equipped with high-temperature furnace, high and low temperature box and corrosion box, it can realize mechanical testing in different environments.

• **FEATURES**

- The main machine is a closed T-type frame structure with high frame rigidity, no backlash, and good stability. The T-type table has high strength and strong expansibility.
- It can be installed with test fixtures to realize static and dynamic fatigue mechanical tests of various standard samples; it can also directly install various parts and structural parts to realize dynamic and static mechanical tests.
- The electronic actuator is placed on the top, with compact structure, small size, no need for lubricating oil and hydraulic oil, clean environment, no noise, and maintenance-free.
- The up and down movement of the beam is electrically adjusted to meet the mechanical testing of different types of samples.

• **TECHNICAL SPECIFICATIONS**

MODEL		KASON-EP2	KASON-EP5	KASON-EP10	KASON-EP20
Force capacity	Dynamic(kN)	±2	±5	±10	±20
	Static(kN)	2	5	10	20
Load range	2%-100%FS				
Testing machine accuracy	±0.5%				
Actuator dynamic stroke(mm)	100				
Displacement measuring range (mm)	0 - 100(±50)				
Displacement measurement resolution(mm)	0.001				
Deformation indication relative error	±0.5%				
Sine wave test Frequency (Hz)	Standard: 0.01 - 10; Optional: 0.01 - 50Hz;				
Maximum test space(mm)	400				
Effective distance between columns(mm)	350				
Machine frame sizes(mm)	780X712X1655				
Machine frame weight(KG)	252				
Total power(KW)	0.75				
Power supply	AC 380V± 10%, 50Hz				