

# Technical Specifications

KRD16 Lightweight  
High Impact Shock Test System



High impact shock test system meets MIL-S-901D standard which covers shock testing requirements for ship board machinery, equipment, systems, and structures, excluding submarine pressure hull penetrations. The purpose of these requirements is to verify the ability of shipboard installations to withstand shock loadings which may be incurred during wartime service due to the effects of nuclear or conventional weapons.

CME provides lightweight & medium weight high impact shock test system in accordance with one of the following test categories, as specified.

- Lightweight. The lightweight test is a test performed on the lightweight shock machine. Weight of the test item including fixture to attach it to the test machine shall be less than 550 pounds.
- Medium weight. The medium weight test is a test performed on the medium weight shock machine. Weight of the test item including fixture to attach it to the test machine shall be less than 7,400 pounds.

### Technical Specifications

Parameters	Model	KRD16-1	KRD16-2
		Lightweight	Medium weight
Max load (kg)		200	3000 (Including tooling≤3400)
Pendulum Mass (kg)		181	1342
Shock Form	Preset energy automatic completion		
Drop Hammer Height (mm)		0-1500	0-1870
Work Table Size (mm)		4A(Flat plate)860×570	1520×1520
		4C-I(Angle plate)670×300	
		4C-II(Angle plate)670×300	
		4C-III(Angle plate)670×550	
Overall Dimension (mm)		4800×1400×4400	3650×3300×3200
Weight(kg)		3500	15000
Power		3kW	20kW
Working Environment	Temperature range: 0~40°C, humidity≤80% (no condense)		
Standards	MIL-S-901D		

**Note:** The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.