



# CATALOG FOR UNIAXIAL SHAKE TABLE WITH EARTHQUAKE MODELS (KJ/ UASTM -2090)



## **K.J.INTERNATIONAL**

**An ISO 9001:2015 Certified Company**

**Specialist in Mfg. & Sales of : Testing Instruments for Cement, Concrete, Soil, Materials, Laboratory, NDT, Measuring & Surveying Instruments ( Also Dealing in Electronics & Plastic Testing Instruments )**

### **CORPORATE OFFICE AND WORKS:-**

*45, Union Industrial Estate, Nr. Rameshwar Parks B.R.T.S. Station, N.H.-8, Opp. Shivanand Nagar, Rajendrapark-Nagarwel Hanuman Mandir Road, Rakhial, Ahmedabad-380023, Gujarat, India.*

*E-MAIL:- jagannath\_kj2000@yahoo.co.in, kjint219@gmail.com,*

*Web Site:- [www.kjinternational.in](http://www.kjinternational.in)*

*Ph-079-22910180, Mo:-09824252066, Mo:-09824197066*



**"KJ International is our Sister Concern Company of K.J Enterprise"**  
**"R.D. Calibration and Consultancy"**

## UNIAXIAL SHAKE TABLE WITH EARTHQUAKE MODELS MODEL NO.- KJ/UASTM-2090





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## MODEL NO.- KJ/ UASTM-2090

### EXPERIMENTAL MODELS IMAGES:-

#### (1) Shear Wall Model



#### (2) Spring-Mass Model

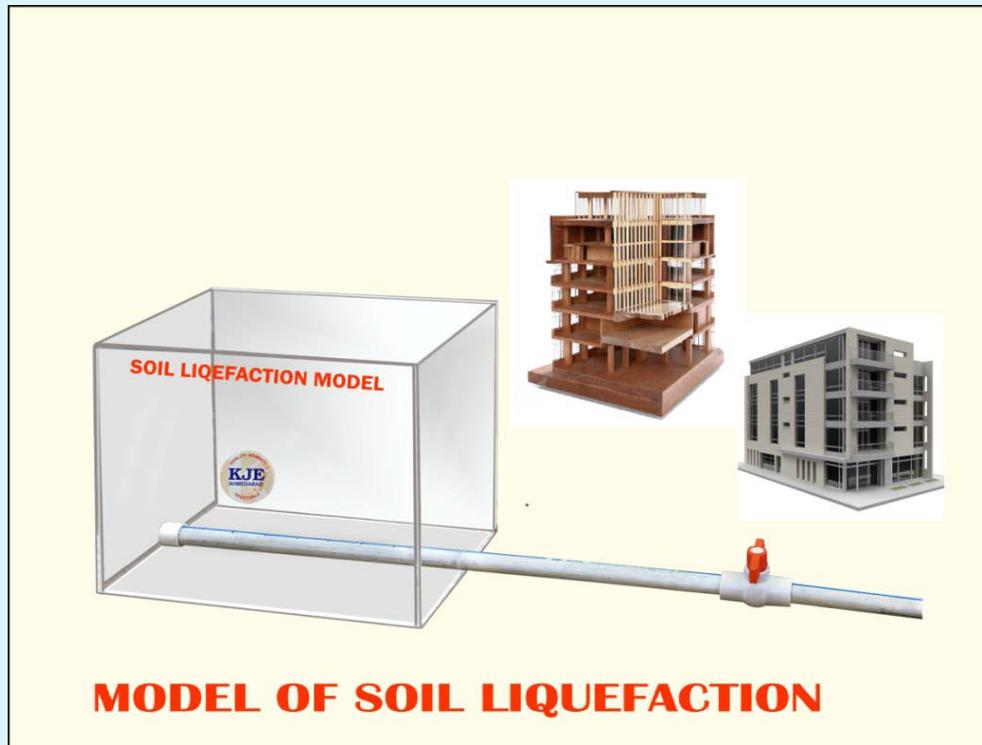


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## MODEL NO.- KJ/ UASTM-2090

### EXPERIMENTAL MODELS IMAGES:-

(3) Soil liquefaction model



(4) Model of bracing system



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### EXPERIMENTAL MODELS IMAGES:-

#### (5) Model for Mode Shape



#### (6) Model of irregularities in structures



## UNIAXIAL SHAKE TABLE WITH EARTHQUAKE MODELS MODEL NO.- KJ/ UASTM-2090

### EXPERIMENTAL MODELS IMAGES:-

#### (7) Mode Pounding Effect



#### (8) Ductile detailing model

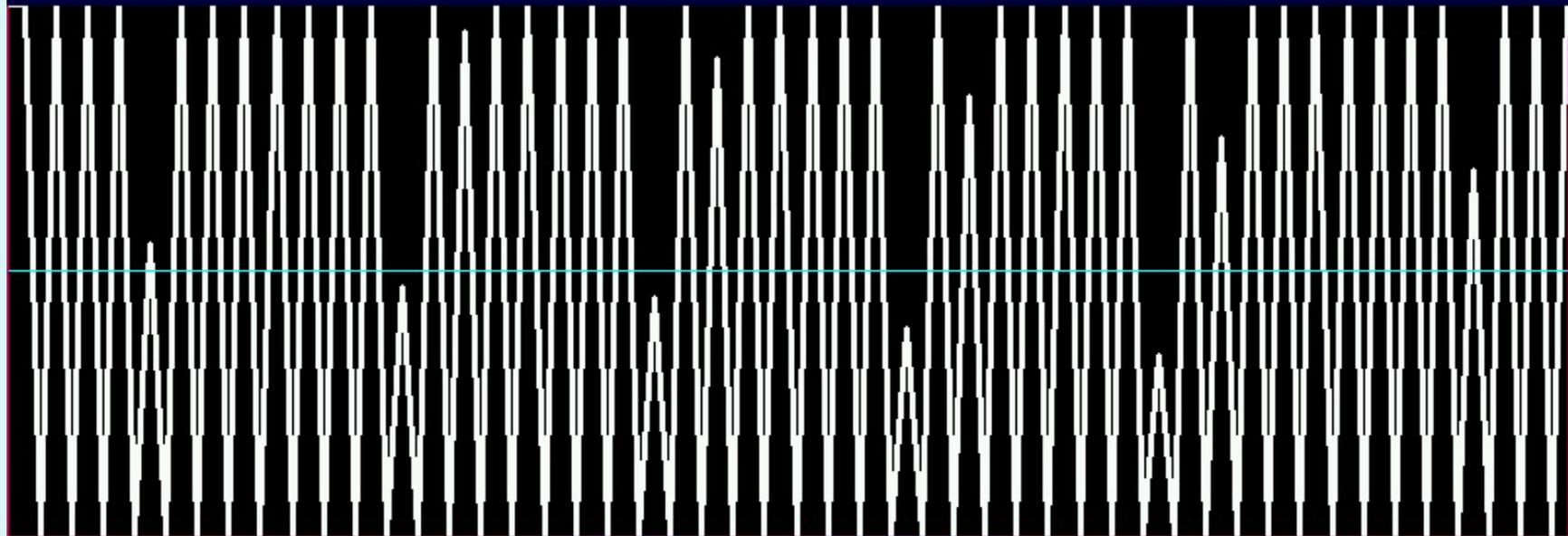


TIME V/S. DISPLACEMENT GRAPH

16:35:46

# TREND GRAPH

15/07/2016



NO OF SAMPLE

DRAW

CLEAR

100





## UNIAXIAL SHAKE TABLE WITH EARTHQUAKE MODELS

### MODEL NO.- KJ/ UASTM-2090

#### Motorized shake table:-

The shake table utilized to test various models of structures under uni-axial (horizontal component) shaking with supporting frame. Input motion of the machine can be controlled by H.M.I. Panel through software.

#### Features ( Specification ) :-

- Frequency Range : 0 to 10 hertz ( will be variable for different range from 1mm to 50 mm).
- Pay Load capacity : 500 TO 1000 kg
- Stroke length : 0 mm to 50 mm
- Type –Mounted on 200mm x 6 Nos. Linear Bearings

#### Size & material of various Plates.

- 1) Top shaking plate size:-900x1500x15
- 2) Base plate size :-1000x1500x15
- 3) Foundation plate size :-1600x1650x19,

#### Latest version new technology:-

- Special Imported 2 Nos. Laser Displacement Sensor to sense displacement of different two floors of models from distance upto 500 mm.
- Special online Software with Real Time Graph Displacement v/s Time and data in numeric numbers online & offline display mode.



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#### Features ( Specification ) :-

- Drive System:-Motor : 3 KW Servomotor of standard make with PLC & 5.7 inch HMI with minimum 5 mt. cable along with electric control panel.
- The mechanism is such that, the amplitude/ displacement and the frequency or time can be changed to provide variation in shaking. Thus, the excitation is not only harmonic in nature, but it can be programmed as any random ground motion.
- Imported smooth gear mechanism attached with servo motor with racks and pinions to the shaking table.
- Top shaking plate shall have holes of diameter 10 mm with 100 mm c/c in both directions.
- Pedestal Linier bearings : 6 Nos. of standard make
- Assembly : Non eccentric-which permits +/-50 mm displacement
- Fixing bolts : High Tensile steel 10 mm diameter,40 mm long, 60 Nos.
- Tool kit required for operation of the machine 1 NO.
- Foundation bolt 18 mm diameter, 150 mm long & 4 Nos with nut & washers.
- Sturdy supporting structure made up of box sections.
- Numeric values Input shall be possible through manually from HMI control panel as well as through computer with software.
- P.C. connectivity through Ethernet and USB port.
- Machine operates on 3 Phase A.C. 450 volts supply.

**-: End of the Catalog :-**

## UNIAXIAL SHAKE TABLE WITH EARTHQUAKE MODELS MODEL NO.- KJ/UASTM-2090

- OUR BEST CHEAPEST PRICE – 10 LAKH

- Business Terms

- (1) GST Tax @18% extra.
- (2) Price are FOR our works Rakhial Ahmedabad. Transportation extra as actual.
- (3) Delivery ex-stock or within 2 to 5 weeks after receipt of confirm order.
- (4) All order should be accompanied with 50 % advance Payment & rest on delivery .
- (5) One year guarantee given on every M/c. / Equipments rather than Glass Items.
- 
- SO WE HOPES A VALUABLE POSITIVE REPLY FROM YOU AS EARLY AS POSSIBLE.

**-: End of the Catalog :-**