



# KALPAK INSTRUMENTS & CONTROLS

Shed no. 16,N.R.Industrial Estate,  
S.no.25/3,Hingane Khurd, Vithalwadi,  
P U N E-411 051, INDIA

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## QUESTIONNAIRE FOR RETROFITTING

### UNIVERSAL TESTING MACHINE/ TENSILE TESTER/MECHANICAL TESTER

Company/Client Name : \_\_\_\_\_

Address : \_\_\_\_\_

Tel No. : \_\_\_\_\_ Fax No. \_\_\_\_\_ E-Mail : \_\_\_\_\_

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

### Existing Machine Details

Make:

Model:

Age:

#### Specifications:

Mounting: Table Mount/ Floor Mount

Capacity:

Load Cell Types:

Length Sensor:

Drive: Manual/ DC/ Hydraulic/ AC Servo

Rotating Member: Lead Screw/ Ball Screw

Test Speed Range:

Test Speed Resolution:

Machine Control: Manual/ Electronic Controller/ Through PC.

Cross Head Size:

Test Data Display: Mechanical/ LED/ LCD/

PC Connectivity:

Test Report and Graphical Analysis Capability: Available/ Not available

Any Other :

Features and Operation: (Attach Separate Sheet if required)

### Basic test Requirements

#### 1. Materials tested: (Please tick the appropriate boxes)

Plastics

Metals

Rubber

Textiles

Elastomers

Adhesives

Wood

Cords

Others  (Please Specify.)

#### 2. Type of tests Conducted: (Please tick the appropriate boxes)

Tensile

Compression

Bending

Tear

Shear

Peel

Puncture

Friction

Flexure

Insertion

Extraction

Adhesion

Cyclic

Others



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## QUESTIONNAIRE FOR RETROFITTING UNIVERSAL TESTING MACHINE/ TENSILE TESTER/MECHANICAL TESTER

### Retrofitted System Requirement

**Options:**

Computerised System with machine control, data acquisition and analysis through PC.

**CHECK LIST FOR FEATURES REQUIRED:**

Feature	Yes/ No	Remarks
<b>Data Acquisition Module in PC for Computerised System only:</b> For programming speed, test length, sample no, batch no., resolution of length etc through PC.		
<b>PC with Configuration as below:</b> Pentium 41.7GHz with one 40GB HDD, 1 CD-Drive, 1 FDD, one 15'' SVGA monitor, 2 USB Ports, 1 Com Port , 1 Printer port, 1 Key Board and one HP ink jet color printer.		
<b>Kalpak UTM Test software</b> with file storage system and capacity to save test results Graphical display of various modes such as 'Load Vs Displacement', 'Stress Vs Strain', 'Modulus', Comparative display through multiple graph', 'Zoom Graph', 'Statistical Data' as per standards, Automatic calculation of results and auto sample break detection and real time on line graph with auto scaling.		
<b>Pre Loaded Ball Screw Assembly for Improved Length Accuracy</b> ( Replaces Inaccurate Lead Screws)		
<b>Variable Speed Step less Servo Drive with 0.1 mm resolution</b> (Replaces Fixed speed system)		
<b>Precision S Type Interchangeable Load Cells with 0.1% accuracy</b>		
<b>Digital length encoder with 0.1 mm length resolution</b>		
<b>Safety Features: Emergency Stop, Over Travel Protection, Over Load Protection</b>		
<b>Fixtures for tensile/ compression/ flexure/ extraction/ peel/ adhesion/ tear/ bending/ shear/Any Other Test ( Please Provide Details)</b>		
<b>Extensometers ( Please provide Specifications)</b>		
<b>Any Other Features Required</b>		

**Requirement Time frame:**

**Signature:**

**Name:**

**Designation**

**Date:**