

Kalpak Instruments and Controls



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KALPAK INSTRUMENTS AND CONTROLS was established in 1989. The company was promoted by Mr. Satchit Sidhaye, Electronics engineer by background with over 30 years of hard-core experience in Product development, electronics and system design in test and measuring instrumentation. Since inception, Kalpak has established a close relationship with a host of high-profile customers who continue to rely on Kalpak for most comprehensive range of Test systems.

Almost twenty-five years of experience in the Mechanical, Chemical, Plastic, Rubber, Poultry, Automobile, Engineering & Pharmaceutical industry enables us to understand and comply with the Stringent demands of the clients. Consequently, all our equipments are simple to operate, maintenance-free and save the user valuable time and money, particularly in Research and production departments. All Kalpak products are designed, developed and manufactured in-house to ensure the highest standards of Quality and performance.

OUR PHILOSOPHY

Our aim is to provide solutions to customer's problems. Our product range demonstrates some of our capabilities, but it is the expertise, experience and commitment of our personnel that has helped us to satisfy our customers. We have developed lasting partnerships with most of our customers, irrespective of their size, location or industry and in many cases; Kalpak is regarded as a natural extension of their production and engineering resources.

INFRASTRUCTURE

In this technically advanced era, Kalpak has been able to maintain its place only because it provides technically advanced machinery. Our robust infrastructure, which is equipped with technically advanced machinery, assists us to design and manufacture superior and standardized machines.

TEAM

Our hardworking personnel help us to gain the victory over the trust of our clients. We have qualified engineers for accurate designing and manufacturing of machines. The main motto of our team is to provide good quality machines to our clients.

NAME OF CEO
YEAR OF ESTABLISHMENT
NATURE OF BUSINESS
MARKET COVERED

MR. S.K. SIDHAYE
1989
MANUFACTURER & SUPPLIER
DOMESTIC & EXPORTS

Computerized Spring Testing Machine



Compression Testing Machines



Servo Hydraulic Computerised Universal Testing Machine



Pull Off Testing Machine



Dry Air Leak Testing Machine



Computerized Universal Testing Machine



Control Mechanism

Computerized Controller with dedicated software, .Add on cards, for control in both Auto & Manual mode

PC Configuration

Pentium IV 2.6 GHz, with 52X CD-R/RW, 256MB RAM, 40GB HDD. Mouse, Keyboard, 1 SERIAL COM port, 2 USB ports, 1 printer port, with WINDOWS XP professional preloaded

Grips & Fixtures

Mechanical/Pneumatic Wedge Grips, Screw Type Grip, Eccentric Roller, Compression Plates, 3 point bending fixture, Peel test 90/180 Degree Fixture, Lateral Nail Withdrawal fixture, Fixtures for Flexural test, Shear Test, Adhesion/Bonding Strength etc.

Special Propose Machine

Endurance Test Machine



Gear Shifter Assembly Endurance Test Rig



Formaldehyde Release Test Chamber



Jounce and Squirm Test System



Custom Built Performance Test Rigs



Servo Hydraulic Fatigue Testing Machine



The Kalpak Computerized Servo Hydraulic Universal testing Machine offers ideal solution for dynamic testing of materials and components over a range upto 50 Hz

The system is free standing type hence does not require a special foundation. The system consists of a sturdy load frame, with integrally mounted actuator and servo valves, a hydraulic power unit. Test control subsystem Controller, PC and Kalpak windows based software UTM-TEST-SH for Machine control and data acquisition and analysis.

Servo Pneumatic Fatigue tester



Load Frame	Twin Pillar Type with Base Frame
Load cell	fatigue rated Load cell 2 KN capacity
Fatigue Frequency	0-10 Hz max
Grips and Fixtures	To be provided by you to hold sample under test.

Texture Analyzer


Range	Up to 100 Kg force measurement
Choice Of Models Versions	4 Models with capacities of 5kg, 20 Kg, 50Kg, 100Kg
Main Operating Test Modes	Fully Computerised/ Electronic with PC Compatibility
Optional Operating Modes	Tensile/Compression Peel, Flexure, Shear, puncture, bend etc as per application
Group Testing	Enables User to program for 10 different types and select the group as per product type under test
Safety	Emergency Stop, Over Travel Protection, Overload Protection



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