

# Computerized Electronic Universal Testing Machine

This computerized electronic universal testing machine performs tests based on load, position, or strain using closed-loop servo control. Equipped with a servo motor, the system executes tests at variable speeds according to operator requirements.



## ADDITIONAL IMAGES



## System Overview

### Professional Material Testing Solution

This computerized electronic universal testing machine is a high-precision instrument engineered for diverse material characterization, including tensile, compression, and bending tests. It utilizes premium international components, such as a Japanese servo drive and American load cell, to ensure stable and reliable performance. The system is fully integrated with a dedicated computer, color printer, and professional analysis software for streamlined data acquisition and reporting.

## Core Components

### Movement Mechanism

- Precision leading ball screw
- Linear guide device for crossbeam stability

### Servo Control

Japanese Hitachi servo driver and motor

### Load Cell

American Celtron

## Testing Capabilities

### Included Fixtures

Fixture Type	Specifications
Tensile	Flat specimen 0-7mm
Compression	150mm diameter
Bending	Roller R2

### Test Types

Tensile, Compression, Bending

## Hardware & Software

### Computing Package

- Dell Computer
- 17-inch LCD Monitor
- HP Color Printer
- Tensontest2 Professional Software

## Safety Features

### Operator Protection

Bullet-proof glass • Aluminum alloy shield • Remote crossbeam control