# 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 |

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| **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