



## Heavy-Duty Protective Structure Test System

### EU 1322/2014 Compliant Force and Energy Absorption Validation

Specifically engineered to perform mandatory static loading tests for agricultural and forestry vehicle cabins, ensuring the "Clearance Zone" remains protected during a rollover.

Full Control and Traceability via C# Based Visual Studio Suite

Real-Time Synchronized Graphing

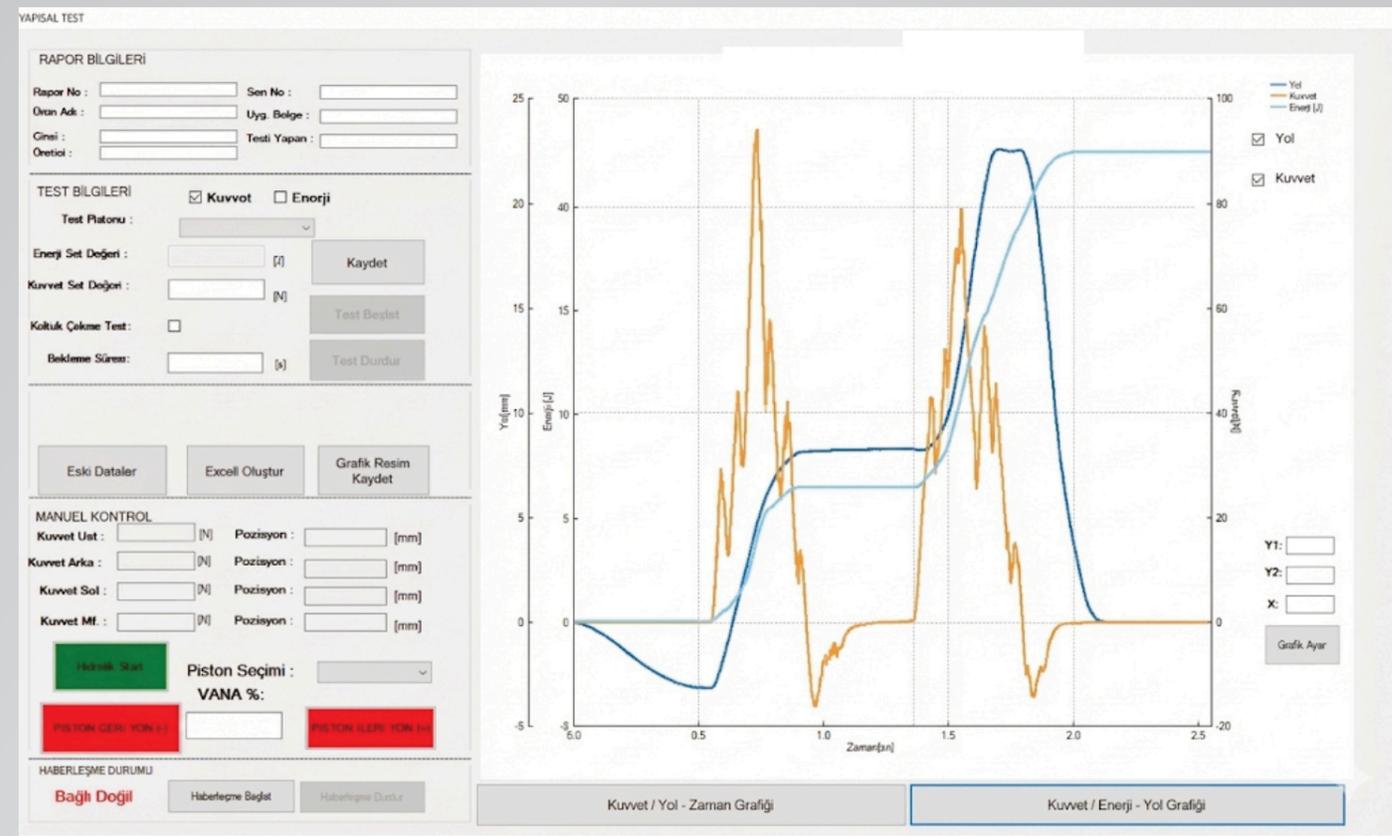
Automated Parameter Management

Multi-Axis Manual & Auto Control

One-Click Professional Reporting

Data Export : Excel (.xlsx) and Image (.jpg/png)

### Intelligent Software Interface & Data Analytics



### Regulatory Force & Energy Testing

- **Lateral Loading (Energy Absorption):** Application of lateral force to simulate side rollovers, calculating the exact energy (kJ) absorbed by the structure to meet regulatory safety thresholds.
- **Longitudinal Loading (Front & Rear):** Testing the structural integrity against longitudinal impacts to verify that the protective frame can withstand forces from front or rear-end collisions.
- **Vertical Crushing Test:** High-capacity vertical load application to simulate the weight of the overturned vehicle, ensuring the structure does not collapse into the operator's space.