**About**

**Biaxial Testing Platform** is designed to study the material properties hyperelastic materials under complicated loading conditions. It empowers users to use Raspberry Pi 5 to precise control displacement speed and distance to collect data on the variation of force with displacement.

**Key Features:**

* **Frame:** 1x1x0.1m
* **Linear guideway:** Diameter 12mm, Displacement Per Revolution 4mm, Range 0-200mm
* **Force sensor:** 0-200N
* **Control system:** Raspberry Pi 5

**Why Choose Biaxial Testing Platform?**

* Provide precise speed and displacement motion while handling multithreading tasks: motion control of four linear guideways and data collection from two force sensors.
* Relatively low cost compared to the original platform.