Horizontal Test Stand Functional Diagram

Sub-Functions Of Interest

- Rail & Bearing System
- Calibration System
- Data Acquisition Measurement System
- Ignition System

Horizontal Stand

Desired Output

Improved Test Stand
Vertical Test Stand Functional Diagram

Vertical Stand

Data Acquisition System

Actuators (Sensors)

*Rocket Restraint

Freedom to move with limitations

*Safety

Plume Deflection

Vertical Stand that restrains the rocket, yet allows movement to take measurements of the forces acting on the rocket

*Critical sub-functions