

The ForceDisplay is a electronic system used to measure and display the squeeze force imparted by a Quiptec mold manipulator. The hardware can be installed on new or existing devices. The system features a surface strain sensor, electronic display, power supply, and required wiring.



How the System Works

A surface strain sensor is mounted to one arm of the mold manipulator. When the Quiptec' actuators squeeze an object in its arms, forces are generated in the steel structure, which are measured by the sensor. The signal output from the sensor is read by the electronics, and displays the corresponding clamping force and percentage of max clamping force being generated.



ForceDisplay System Advantages

- Numerical and graphical display
- Notifies user of percentage of max clamping force being generated.
- High 0.5% accuracy class, and includes calibration certificate.
- Easy to install, both on new and existing machines.



ForceDisplay System Technical Specifications

Display	Numerical and Graphical
Force Capacity	$\pm 25,000$ lbf max
Accuracy Class	0.5%
Installation	New, or Machine Retrofit
Calibration	NIST Certificate Included
Electrical Service	110-240VAC, 50/60Hz, 0.3A, 1ph
System Footprint	4in x 8in panel, 3.5in x 1in sensor

System Options

- Advanced Calibration
- Analog Outputs and Alarms
- Color Changing Display
- Multiple Displays/Sensors
- Data Logging
- Extended Warranty
- Custom



For more information about the ForceDisplay and to quote a system for your company, please contact us.