

# Prosthetic Foot Performance

## Multi-Axis

Industry: OEM

### Summary

#### Customer Need / Challenge

Customer would like to know how a prosthetic foot responds as it is loaded during different stances.

#### Interface Solution

Interface Model 3A120 3-Axis Load Cell was installed between the leg socket and the prosthetic foot. Model 3A120 was then connected to customer's portable data acquisition system.

#### Results

Data was logged for X, Y, and Z axis. Customer was able to review the results and identify premature foot flat and dead spots during foot's use. They can now make improvements to the design.

### Materials

- Model 3A120 3-Axis Load Cell.
- Portable Data Acquisition System.
- Prosthetic foot.

### How It Works

1. Install Model 3A120 into prosthetic foot load stream.
2. Connect to customer's portable data acquisition system.
3. Review X, Y and Z force measurements to determine foot flat and dead spots.

