# Radiosurgery Robot
# Multi-Axis

## Industry: Medical and Healthcare

### Summary


**Customer Challenge**

Radiosurgery is a medical procedure that uses targeted radiation to remove cancerous tumors or masses in the body. Radiosurgery robots are used to target theses abnormalities and deliver radiation through a minimally invasive way, with high precision and accuracy. Load cells are needed to test and calibrate the robotic arm before affecting a patient.

**Interface Solution**

Interface's 6A40A 6-Axis Load Cell can be installed at the joints of the radiosurgery robot. The amount of force and torque exerted must be monitored in order to ensure each joint can handle the precise movements and loads without failing. These results can be logged, displayed, and measured when connected to Interface's BX8-HD44 BlueDAQ Series Data Acquisition System with included BlueDAQ software.

**Results**

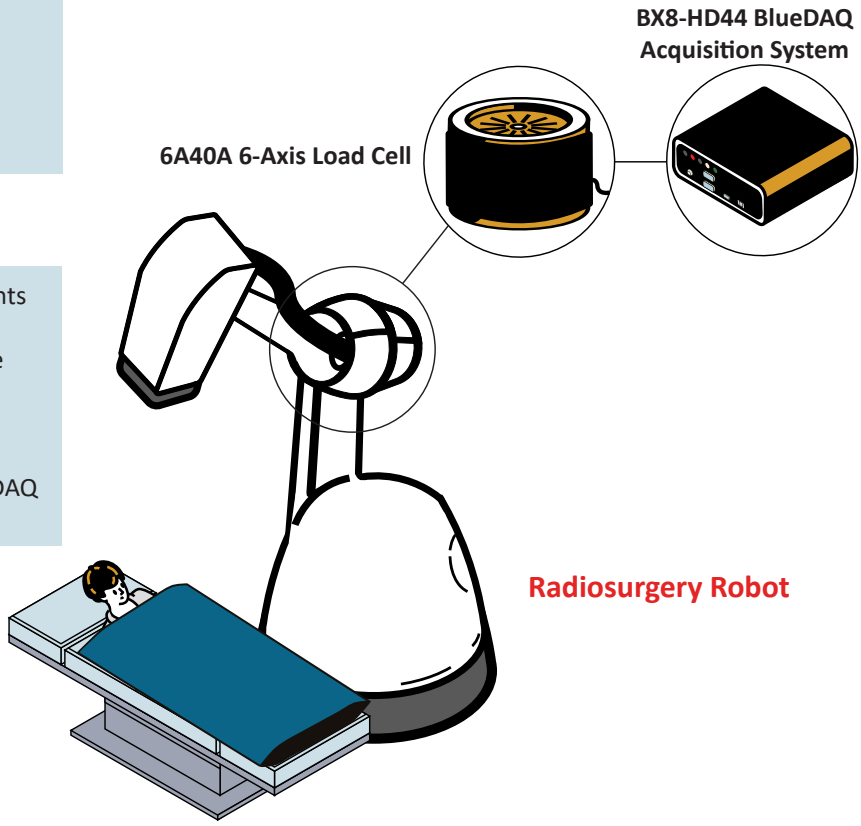
The customer was able to test and monitor the radiosurgery robot with Interface's multi-axis load cell, ensuring it was able to handle precise movements before being used in surgery.


### Materials

- 6A40A 6-Axis Load Cell
- BX8-HD44 BlueDAQ Series Data Acquisition System with included BlueDAQ software
- Customer's radiosurgery robotic arm and control system

### How It Works

1. The 6A40A 6-Axis Load Cell is installed into the joints of the radiosurgery robot.
2. A movement test is done, and the force and torque measurements are captured and monitored.
3. Test results are displayed, logged, and measured when connected to Interface's BX8-HD44 BlueDAQ Series Data Acquisition System with included BlueDAQ software.





Interface
FORCE MEASUREMENT SOLUTIONS

7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com