

Animatronics Torque Transducer

Industry: Entertainment

Summary

Customer Challenge

Animatronics are used throughout different applications in the entertainment industry. From amusement and theme parks, to movie sets. Animatronics need to be tested to ensure proper functionality when they move, therefore the torque of the limbs must be tested.

Interface Solution

Interface's MRTP Miniature Overload Protected Flange Style Reaction Torque Transducers can be connected to the servo motors in the limbs of the animatronics that make it move. The customer monitoring the animatronics can view torque results on their PC when the transducers are connected to the BX8-AS BlueDAQ Series Data Acquisition with Industrial Enclosure.

Results

Interface's MRTP torque transducer successfully measured the torque of the servo motors used to move the limbs of the animatronics.

Materials

- MRTP Miniature Overload Protected Flange Style Reaction Torque Transducers
- BX8-AS BlueDAQ Series Data Acquisition with Industrial Enclosure with included BlueDAQ software
- Animatronics being tested
- Customer PC or Laptop

How It Works

1. The MRTP Miniature Overload Protected Flange Style Reaction Torque Transducers are attached to the servo motors inside of the limbs of the animatronic body.
2. The BX8-AS BlueDAQ Series Data Acquisition will collect the torque results, where it can be displayed when connected to the customer's PC with supplied BlueDAQ software.

