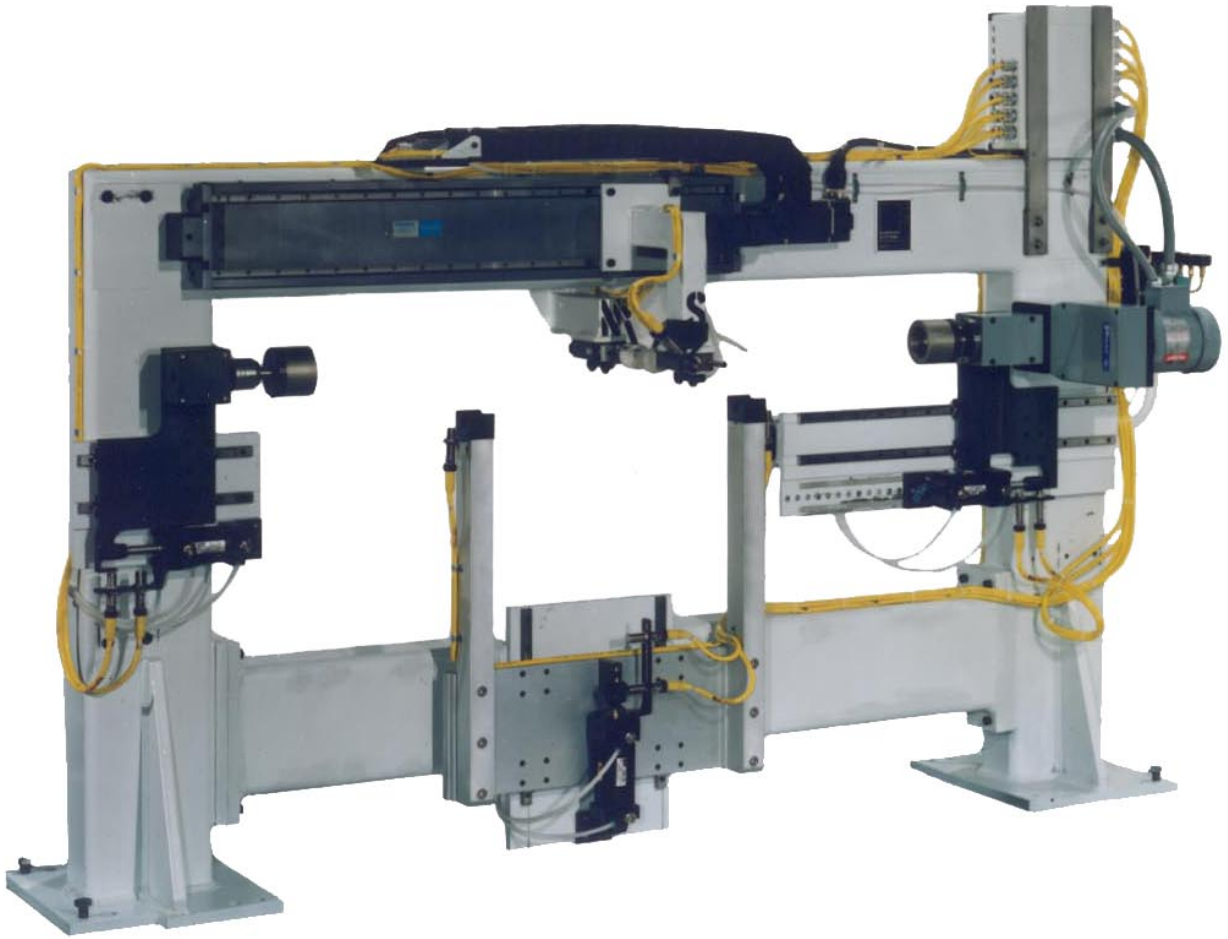
TORSION BAR
INSPECTION SYSTEM



Torsion Bar Inspection System

- **Division**
  CT
- **Market**
  Automotive
- **Customer**
- **Production Rate**
  450 parts per hour
- **Product Range**
  15 different part numbers

System Description

The system is designed to inspect Automotive Torsion Bars for cracks along the length utilizing eddy current technology. The bars range from 900 to 1300mm in length and 25 to 35mm in diameter. Parts are presented to the machine via the customers existing walking beam. After the walking beam stops, an elevator lifts the bars into the inspection position. Here, two inverted conical centers move in to hold and rotate the bar. As the bar begins to rotate, two followers, with eddy current probe in them, move against and ride along the length of the bar to inspect the surface. When complete, the followers retract and move back to their “home” position. The centers move out and the elevator lowers the bar back onto the walking beam. The control system sends “accept or reject” signals to the walking beam so that the bar can be rejected, if needed at the end of the line.