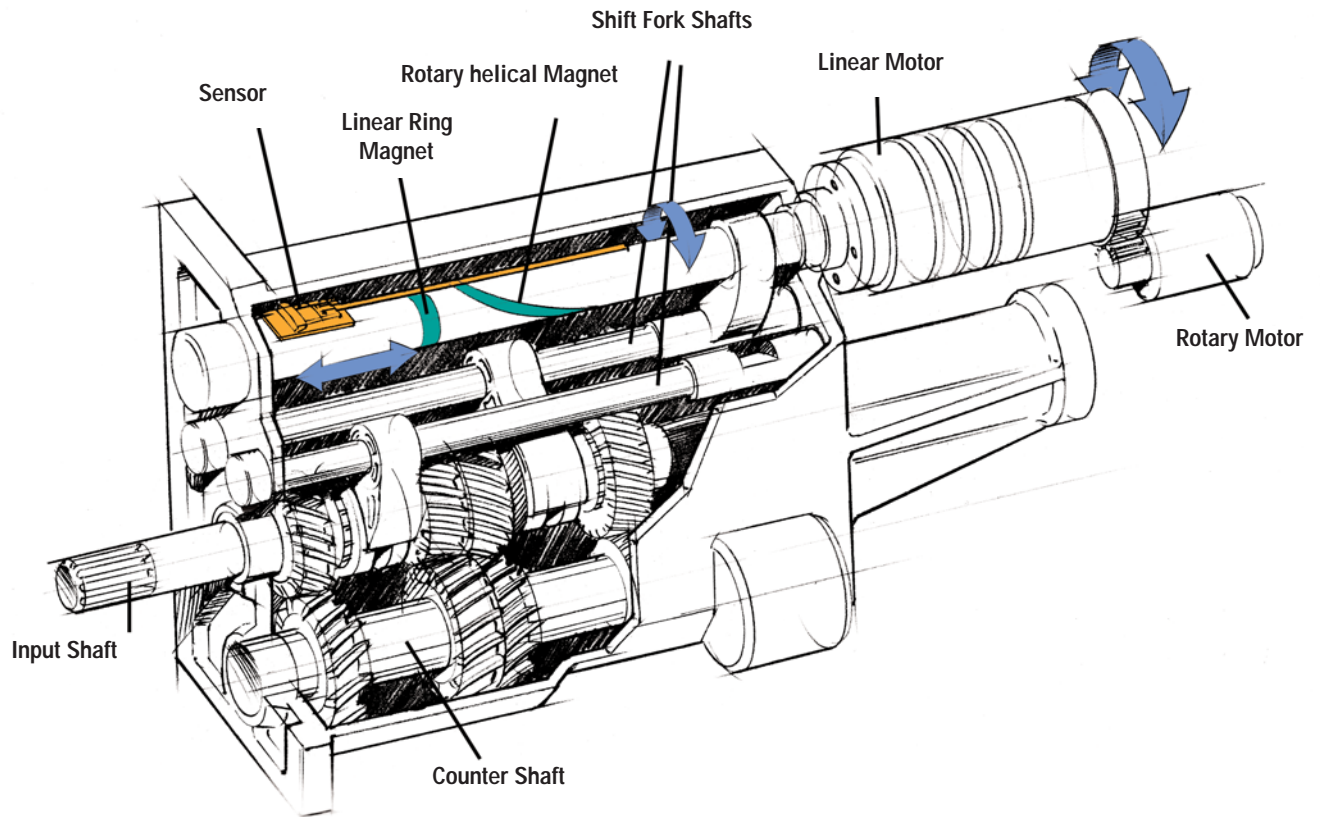


Automated (Robotic) Manual Transmission

Part Number: 10-03
550873 Revision B



Driven by the need to provide the functions of an automatic transmission, along with weight reduction and higher efficiency, many manufacturers are considering conversion of traditional manual transmissions to robotically position gears either via program control or an operator on demand. Actuators position the gears in the same method an operator would in a traditional manual transmission.

MTS Commercial Sensors can provide feedback for individual, linearly moving shift shafts or a combined linear and rotary motion shaft.

MTS magnetostrictive sensors have the unique ability to measure not only the extending or retracting linear motion of the shaft, but the rotary motion as well. That ability reduces the number of sensors needed, reduces the wiring, and reduces the number of input ports to the controller.

Reference:

Commercial Sensors Brochure: Part No. 550941.



MTS Systems Corporation
Sensors Division
3001 Sheldon Drive
Cary, NC 27513
USA

Tel: 800.457.6620
919.678.2769
Fax: 919.677.2545
www.mtssensors.com
commercial@mtssensors.com

MTS is a registered trademark of MTS Systems Corporation.
Temposonics is a registered trademark of MTS Systems Corporation.
Copyright © 2003 MTS Systems Corporation.