

Hollow Shaft Torque Control and Monitoring System

TorquePRO Hollow Shaft

The Promess TorquePRO is a complete systems solution manufactured by Promess Incorporated for use by both builder and end user. The newest addition to our torque family is the Hollow Shaft series. The TorquePRO HS series includes capacities ranging from 20 Nm to 50 Nm.

The TorquePRO HS is different than the standard Promess TorquePRO configuration, in that the center of the torque unit is open or hollow. This allows access to the center of the part that is being tested. This is useful if you need to measure or manipulate the center of the part or work piece during its testing cycle.

The Promess system consists of two main components, the Torque Module and the Promess Motion Controller. The Torque Module consists of a servo motor, encoder and torque transducer. Torque can be measured in both the clockwise and counterclockwise directions. An angular encoder provides angular position feedback.

The Promess Motion Controller is a single axis controller and monitoring system all in one package. Additional inputs are available for feedback from external analog or digital sensors. The Controller has multiple discrete I/O capability as well as multiple Fieldbus options.

The TorquePRO Hollow Shaft units are intended for intelligent assembly and test applications.



APPLICATIONS:

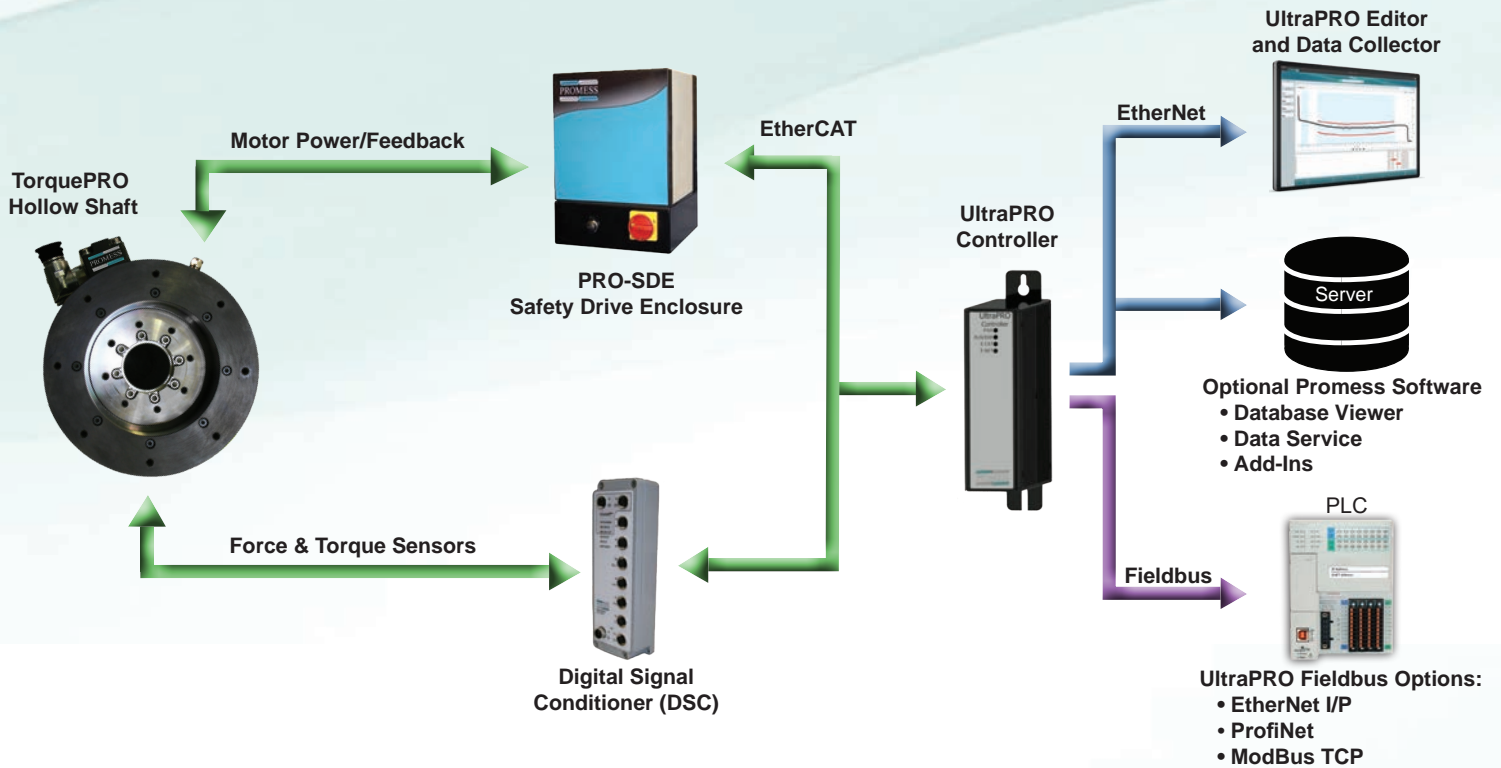
- Bearing preload testing
- Gear lash adjustment
- Efficiency testing
- Pinion preload setting
- Valve lifter adjustment
- Jam nut assembly

FEATURES:

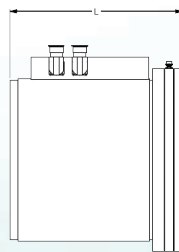
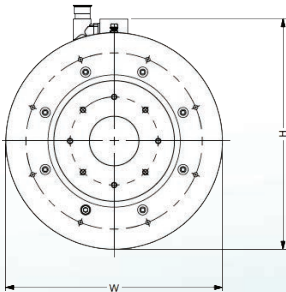
- Move to torque
- Move to angle /position
- Move to external signal
- Move to rate of change
- Move to multiple positions & torque within same program
- Multiple part programs

Promess Servo Driven Torque Control and Monitoring

System Overview



TorquePRO HS Sizes



Torque Capacity		Speed
Nm	Lbs-inch	RPM
20	177	250
50	442	250
100	885	250