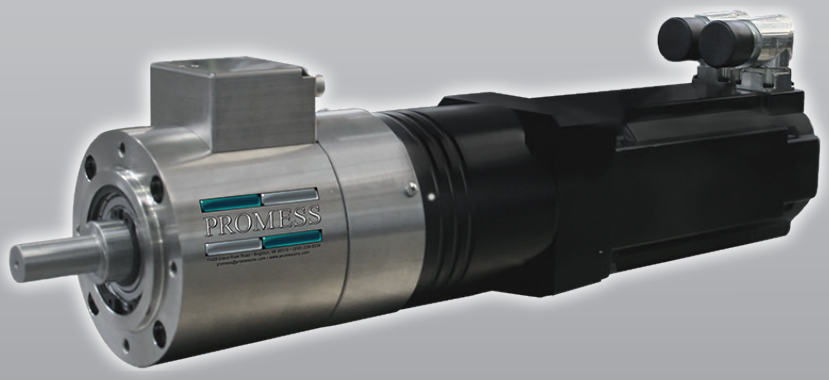
PROMESS

Sensing Systems for Manufacturing

TorquePRO Systems



Promess Motorized Torque Assembly & Test Systems are the ideal solution for your torque testing and assembly needs

TorquePRO Systems

The Promess TorquePRO System combines a servo motor and torque transducer in a single plug-and-play package. It has the ability to control and monitor the rotational torque and angle of your process and is designed to fit a broad range of functional torque testing and measurement applications.

TorquePRO Capacity

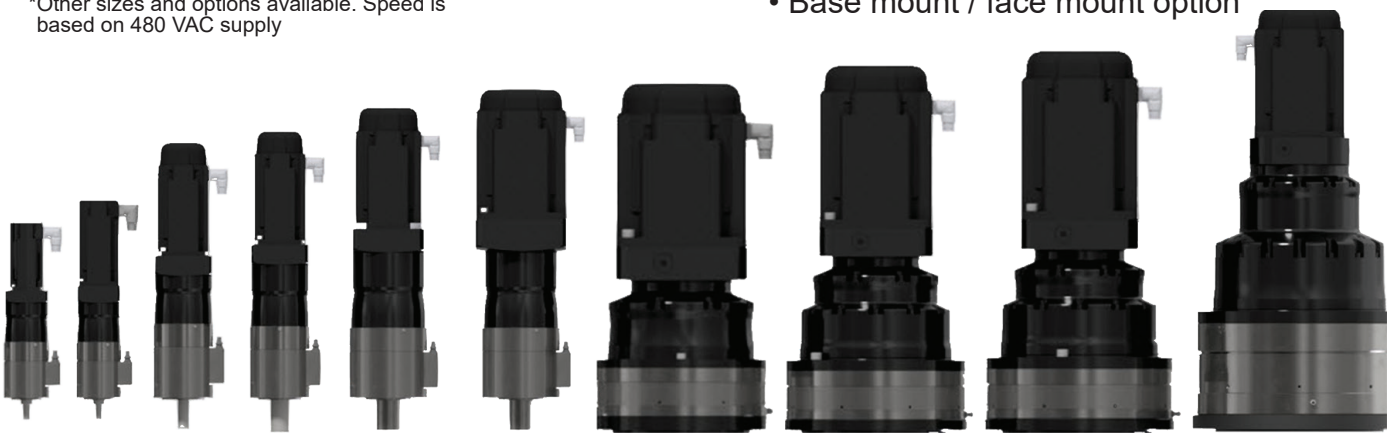
Torque Capacity		Speed
Nm	Lb-in	RPM
5	44	250
20	177	250
50	442	250
100	885	250
200	1,770	250
500	4,425	100
1,000	8,851	75
2,500	22,127	20
5,000	44,254	10
10,000	88,507	4

*Other sizes and options available. Speed is based on 480 VAC supply

Features and Capabilities:

- Torque vs. angle signature monitoring
- Data acquisition and analysis
- Patented DABEX monitoring
  - Standard monitoring functions

    OR
  - Customize your own test using our easy to use curve analysis tools
- Compact design
- Move to multiple positions & torque values within the same program
- Move to angle
- Hold a constant torque
- Advanced data analysis
- Easy to integrate
- Base mount / face mount option

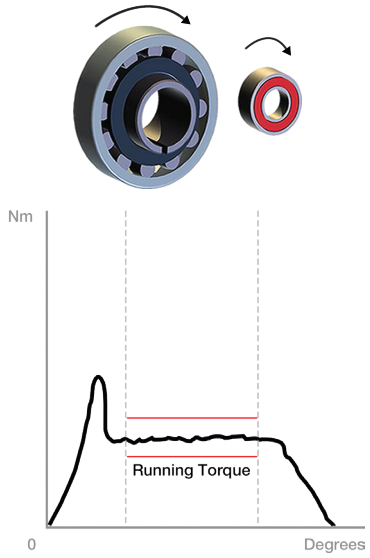


Promess UltraPRO Technology

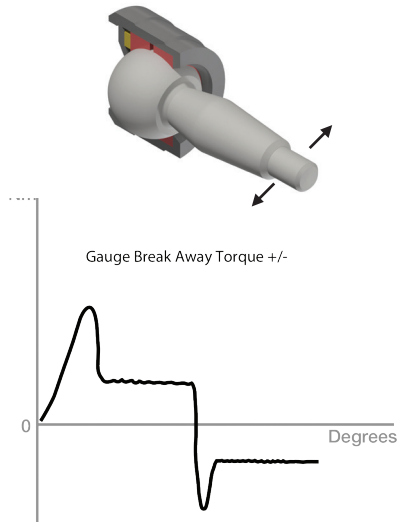
Promess UltraPRO Technology's multi-axis, multi sensor capability makes it ideal for your torquing applications that require more than one axis of motion and/or multiple sensors to perform the operation.

TorquePRO Applications

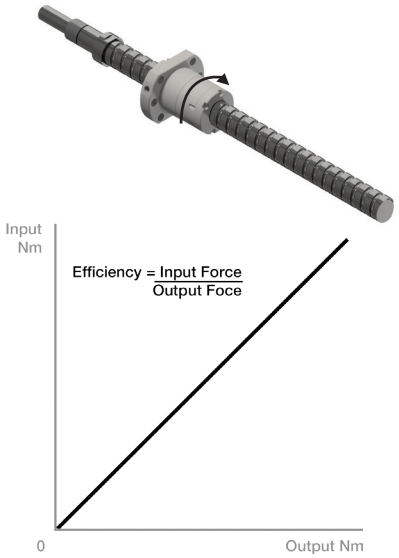
Running Torque



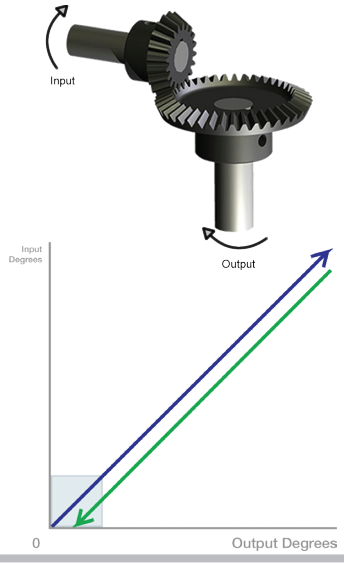
Breakaway Torque



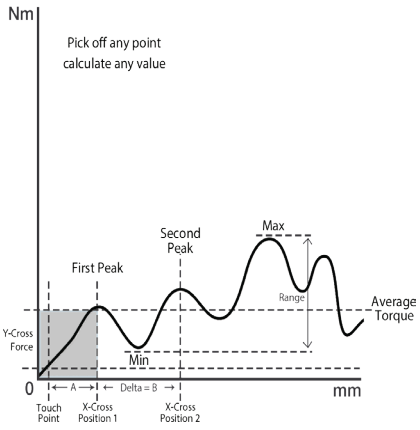
Efficiency



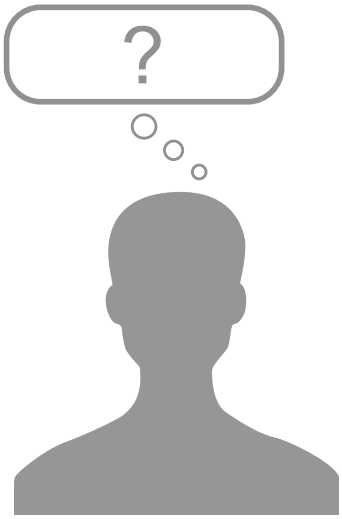
Backlash



Advanced Analysis



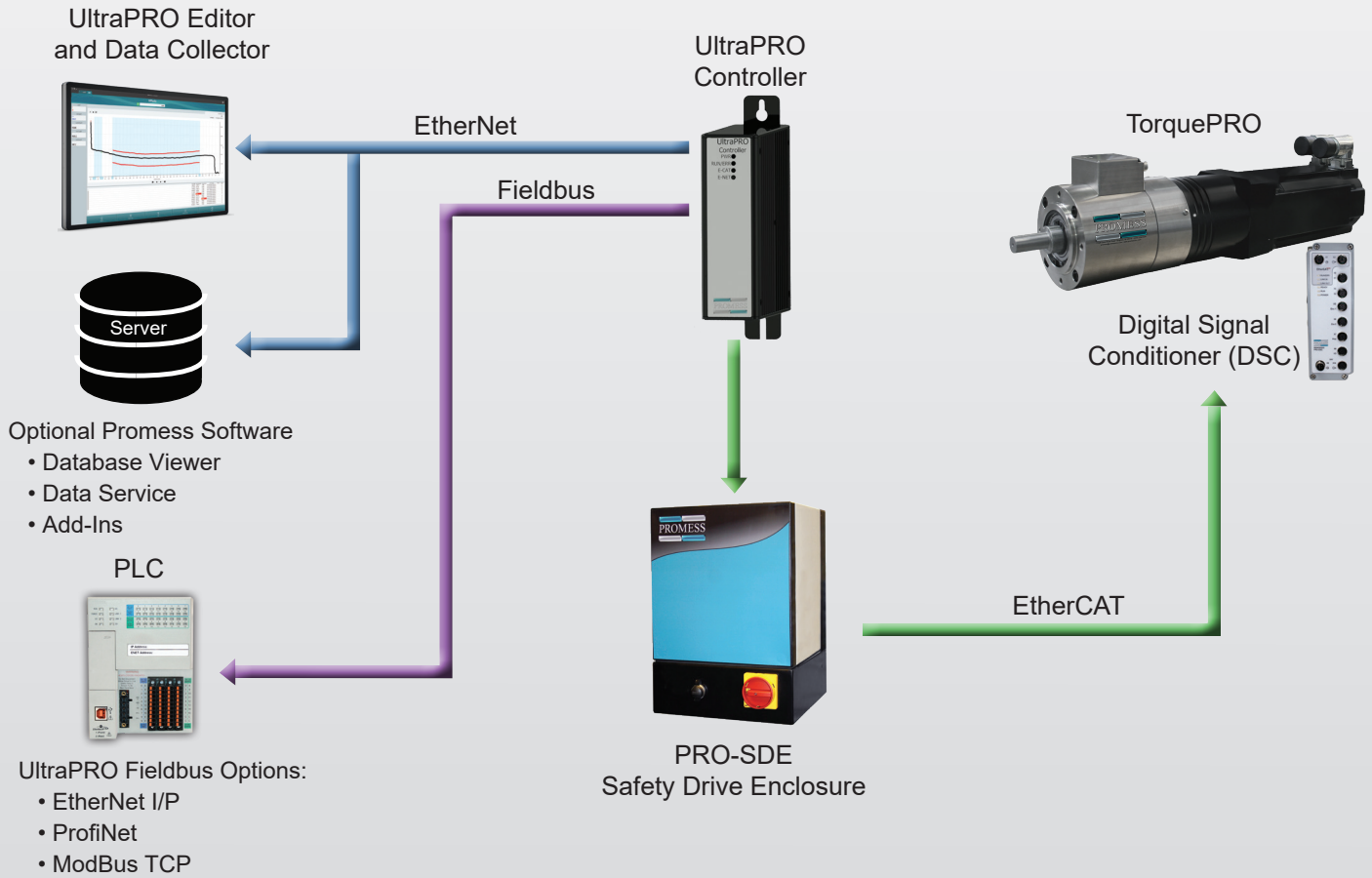
Design Your Own Test



Sample Applications

- Cam shaft/crank shaft
- Gear trains/boxes
- Rack and pinion
- Ball joints
- Planetary carrier assembly
- Bearings
- Axle differential
- Spring test
- Electric assisted steering
- Autonomous vehicle development
- Ball screws
- Medical instruments
- Medical function testing
- Surgical device trigger function test
- Orthopedic device testing
- Surgical tool testing
- Appliance transmission
- Variable pitch prop adjustment
- Valve performance testing

System Overview



Promess Incorporated

Promess is recognized as a leading U.S. manufacturer of highly adaptive monitoring and motion control systems used by companies around the world to assemble and test their products.

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PROMESS

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Cloning the perfect part