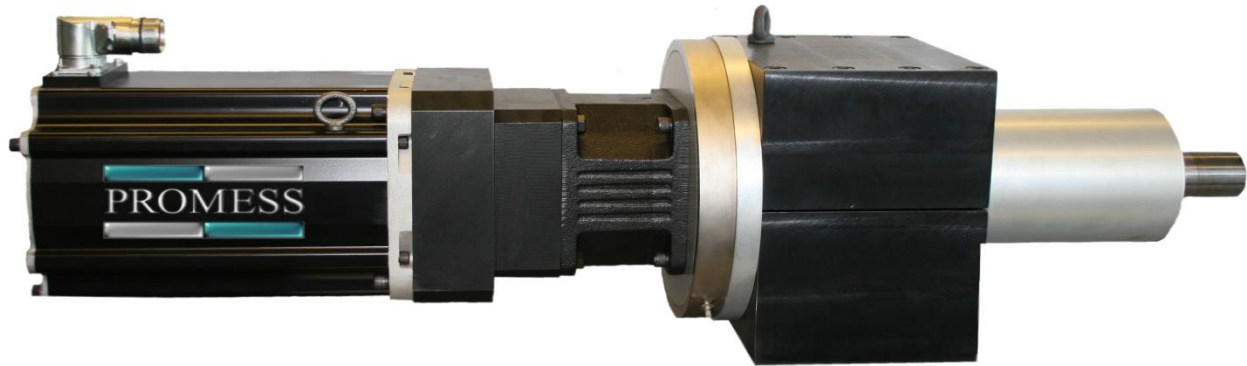


High Capacity Torque Control and Monitoring

Torque Functional Test “TFT”



The Torque Functional Test system (TFT) 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 High Capacity series. The **TFT-HC** series includes sizes ranging from 200 Nm to 2500 Nm.

The Promess system consists of two main components, the **Torque Module** and the PRO Motion Controller (PRO-MC). The Torque Module consists of a servo motor, encoder, torque transducer and an output spindle for direct coupling to the tooling. Torque can be measured in both the clockwise and counter clockwise directions. An angular encoder provides position angle feedback. It can be mounted in either a base plate or flange configuration. The PRO-MC is a multi 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 discreet I/O capability as well as multiple Fieldbus options.

The High Capacity Torque units are intended for intelligent assembly and test applications.

APPLICATIONS:

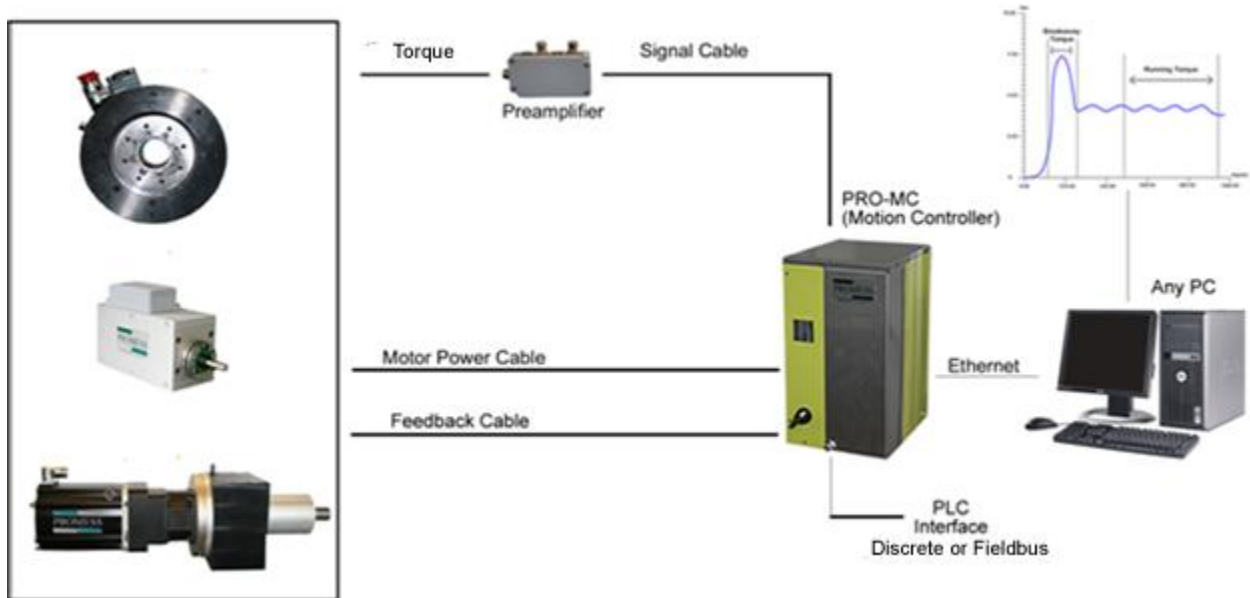
- Torque to turn testing
- Backlash testing
- Efficiency testing
- Fatigue testing
- Power Transfer units
 - o Axles
 - o Differentials
 - o Gear Trains
 - o Etc...

FEATURES:

- Easy programming
- Turn to torque
- Turn to angle /position
- Hold constant torque
- Inputs for external transducer
- Signature monitoring
- Data acquisition and analysis
- Multiple Fieldbus options
- Multiple part programs

Torque Functional Test “TFT”

System Layout



TFT – HC Standard Sizes

Model Number	Torque Capacity Nm / inch lbs.
TFT-HC-200/300	200 Nm / 1770 inch lbs.
TFT-HC-500/200	500 Nm / 4425 inch lbs.
TFT-HC-1000/200	1000 Nm / 8850 inch lbs.
TFT-HC-2500/100	2500 Nm / 22126 inch lbs.

*Other sizes and speeds available upon request

Promess Green Book



Fax or e-mail Promess for the 2010 edition of the “Green Book”

A hardbound publication that includes white papers on press, test, assembly, product offerings, monitoring systems, etc.