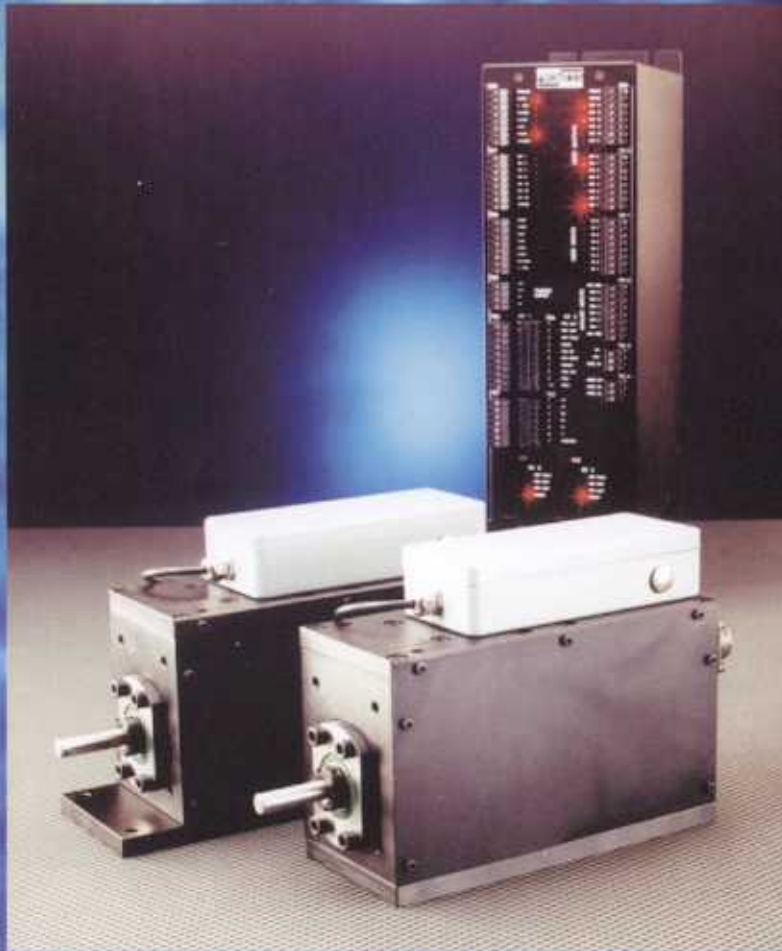


MTC

Motorized Torque Control System



Assembly and test solution

- Fully programmable torque control.
- Control, measure and monitor torque and angle.

PROMESS

"We measure as you make it."

The Torque Trend

You must have flexibility coupled with complete control.

Torque measuring requirements include:

Multi-positions

torque test to several positions within a single process

Multi-decisions

torque it, measure it, then torque it again to ensure it's a good part

Multi-assembly

torque different parts on the same line

Multi-directional

torque and measure within a single process

Multi-torque

torque with full control to several different torque loads within a single process

Multi-sensing

within a single process

The Promess MTC System

A closed loop Motorized Torque Control system with an integrated torque sensor.

Easy operation

MTC includes integrated sensing and graphical displays and can be operated with the push of a button or click of a mouse

Consistent, precise movement

Integrated torque sensor provides the MTC with programmable stop points

Easy programming

Simple Windows-based software featuring a graphical user interface for quick set-up or change-over

Many options

- External position sensors
- Bar code input
- Enclosures
- Touch screen
- Many others to fit your application



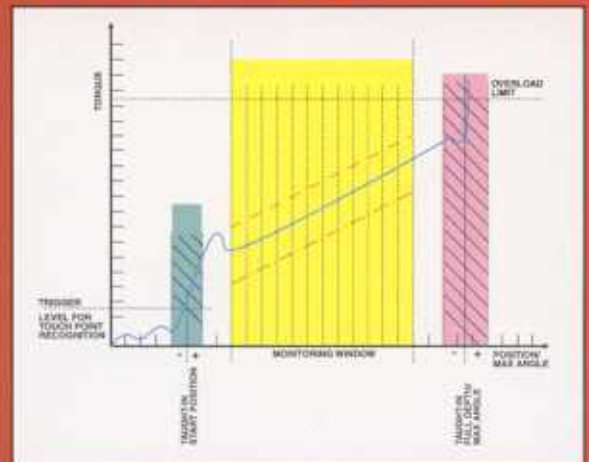
The Promess Answer

Control and monitor the entire torque process.

Promess is a sensing system company, first and foremost. We know that the only way to guarantee product quality is to understand what the product 'feels' at the time it is torqued. Systems currently on the market either have no sensing capability or they measure only peak torque. As a result they provide little or no relevant information to the operator.

The Promess MTC System is designed and built with integrated sensing and torque monitoring capabilities. Its unique ability to accept input data from virtually any external source truly makes this the torque system of the future.

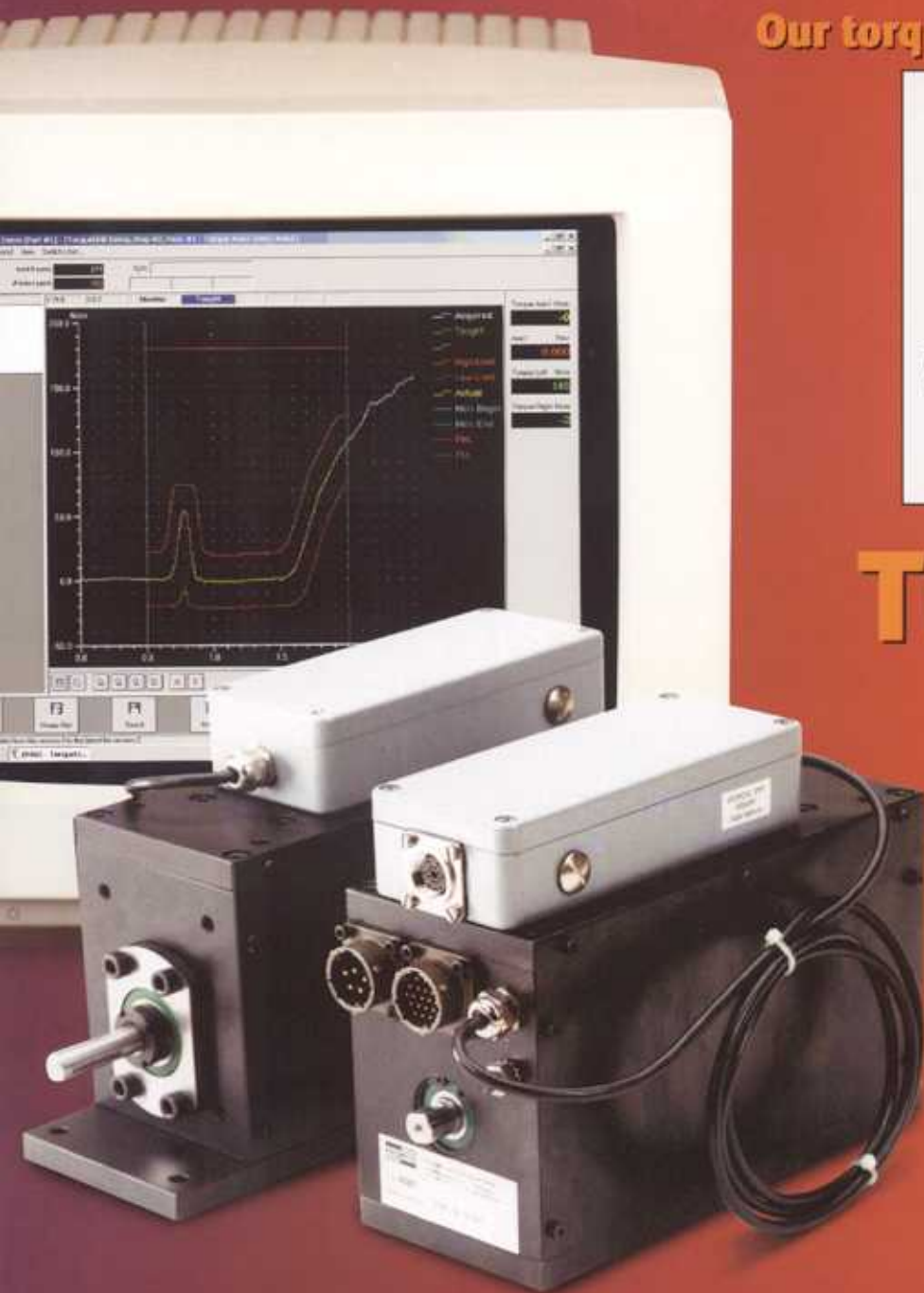
Our torque monitoring strategy



The Future is Now

In the future, precision and flexibility won't be an option ... they will be a requirement!

PROMESS



Motorized Torque Control system (MTC)

Features and benefits

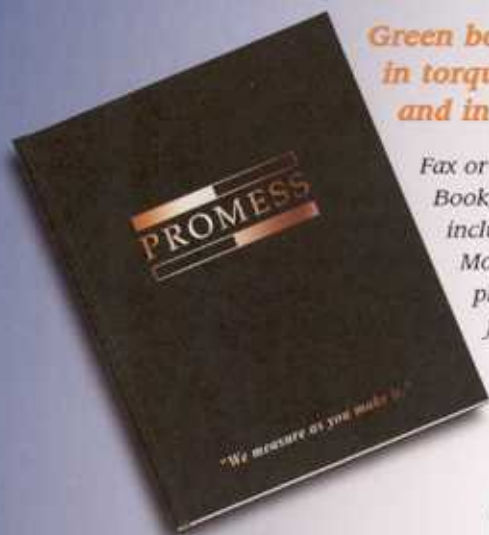
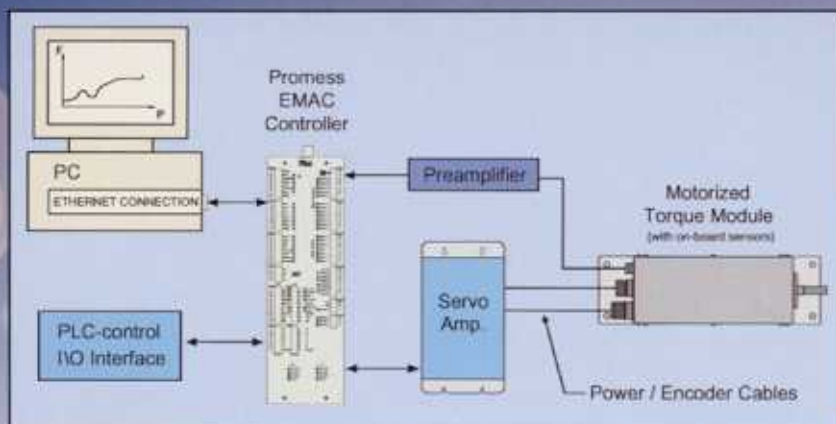
- Easy to retrofit existing systems
- Easy programming
- Flexibility
- Turn-to-a-torque
- Turn-to-position/angle
- Gaging of an external transducer
- Signature monitoring
- Data acquisition
- Network multiple systems
- Multiple part programs

Promess provides

- Torque module includes:
 - Integrated torque transducer
 - Preamplifier
 - Servo motor and amplifier
- EMAC - Promess's multi-axis controller with Windows®-based software
- PC with MS Windows®-based software
- Cables

Typical applications

- Turn-to-torque
- Steering component assembly and test
- Drive train component assembly and test
- Manual window crank final test
- Effort testing
- Seat testing



Green book on Promess's capabilities in torque monitoring and control and in differential monitoring

Fax or email us for the Promess 'Green Book,' a hard-bound publication that includes in-depth information regarding Motorized Torque Controller system plus white papers on 'cloning in manufacturing' and 'differential monitoring.'

PROMESS

"We measure as you make it."