

PROMESS ULTRAPRO TECHNOLOGY

Promess UltraPRO Technology is a Multi- Axis Motion Control and sensing Platform designed to be used in conjunction with one or more of Promess' Electro-Mechanical units. Its multi-axis, multi sensor capability makes it ideal for your pressing and torquing applications that require more than one axis of motion and/or multiple sensors to perform the operation. Scalable to fit your application, Promess' new UltraPRO Technology will help you solve your toughest assembly applications.

NEW FEATURES & CAPABILITIES

- Multi-axis
- Multi sensor
- Plug and play system
- Auto calibration
- EtherCAT networking
- Scalable, expandable platform
- Modular system
- Extensive software platform
- Easy to use powerful programming tools
- Powerful data analysis capability
- Flexible data collection options



UltraPRO Controller

DIGITAL SIGNAL CONDITIONER

- 2x Precision Analog Inputs
- 2x Encoder Inputs
- Automatic Sensor Recognition
- EtherCAT Networking
- Data Acquisition
- Auto-Calibration
- Digital Interface
- USB Service Connection



ULTRAPRO EDITOR/HMI

Easy menu driven software includes:

- Rapid application development using powerful commands:
 - Motion control
 - Move to position / angle
 - Move to force / torque
 - Move to an external signal
 - Move to a rate of change
 - Move to a compensation factor
 - Data acquisition and signature monitoring
 - Acquire force, position, angle or sensor versus time or distance
 - Fixed high and low limits
 - Reference curve limits
 - Gauge force, position, angle or sensor
 - Pass / fail outputs
 - Data storage
 - Custom commands
 - Custom formulas
- Program debugging aids
- Hardware diagnostics screen
- Manual jog screen
- Controller event logging
- Visualization of:
 - Signature curves
 - Gauge values
 - Live force, position, angle and sensor readings
 - Part Status (OK/NOK)
 - Faults and events

- Maintenance-free HMI
 - No virus scanners needed
- Complete visualization of one or multiple UltraPROs
- Multiple HMIs may be connected to one UltraPRO simultaneously



DATA SERVICE

Promess Database Utility

- Provides total data recall of signatures and gauge values
- Works with Promess Database produced from any Promess product
- Remote viewing using:
 - Microsoft file sharing
 - Dropbox
 - Microsoft SkyDrive
 - USB drives
- Data recall features:
 - Recall monitored graphs
- Overlaid graphs
- Data filtering

Promess Data Service

- Easy set up
- Process data storage
 - Signature curve
 - Calculated and gauged values
- Server-level software
- Continuous and reliable storage
- Plug-in architecture:
 - Promess database
 - Q-DAS
 - Quality WorX
 - Custom storage solutions
- Windows 7, Windows 8, Windows Server 2008 compatible
- Serial number tracking