



Sensing Systems for Manufacturing

Electric Press Work Station



**Half the cost, twice
the technology**
Fully electric assembly cell
with built-in monitoring

Electric Press Work Station

The Promess Work Station is a stand-alone system featuring a Promess motion controller and either a Promess Electro-Mechanical Assembly Press (EMAP), a TorquePRO motorized torque system or a Rotational Electro-Mechanical Assembly Press (REMAP), depending on application requirements. The Work Station provides a flexible foundation for use in assembly, test and lab applications.



Electric Press Work Station Includes:

- Promess ball screw servo press
- Promess motion controller
- Force transducer
- Press stand with C-frame or 4-post frame
- Light curtain for operator safety
- Programming software

Features and Capabilities

Features/Capabilities:

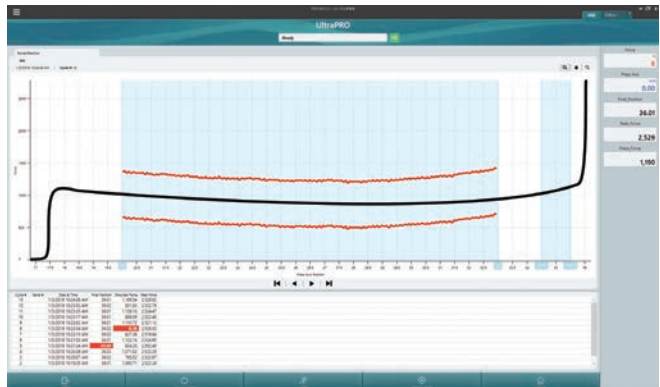
- Flexibility
- Programmable stop points (positions)
- Programmable speed and acceleration
- Press to position
- Press to force
- Press to rate of change
- Data acquisition
- Push and pull capabilities

Options:

- External position transducer
- Additional load cell ranges
- Safety door
- HMI with keyboard and mouse

Monitoring Capabilities:

- Force vs. position signature monitoring
- Data acquisition
- Display of force vs. position graphs, zooming and printing
- Gauging functions
- Adjustable process limits and tolerances



Work Station Frame Options



C-Frame Configuration



4-Post Configuration

Press and REMAP Sizes

Electric Press Sizes		
Force (kN)	Stroke (mm)	Speed (mm/sec)
0.2	100	200
1	100, 300	200, 150
3	100, 300	200
5	200, 350	200
8	200, 350, 500	200
12	200, 350, 500	200
20	350, 550	200
30	350, 550	200
40	330, 660	100
60	330, 660	100
80	330, 660	100
100	330, 660	100
120	330, 660	100
160	400	100
300	400	100
500	400	70

Electro-Mechanical Assembly Press



Rotational Electro-Mechanical Assembly Press



Rotational Electric Press Sizes				
Force (kN)	Stroke (mm)	Speed (mm/sec)	Torque (Nm)	Speed (RPM)
1	100	200	20, 50, 100	250
5	200	200	20, 50, 100, 200	250
12	400	200	20, 50, 100, 200	250
20	400	200	20, 50, 100, 200	250
30	400	200	20, 50, 100, 200	250
40	400	200	20, 50, 100, 200	250
60	400	150	20, 50, 100, 200	250

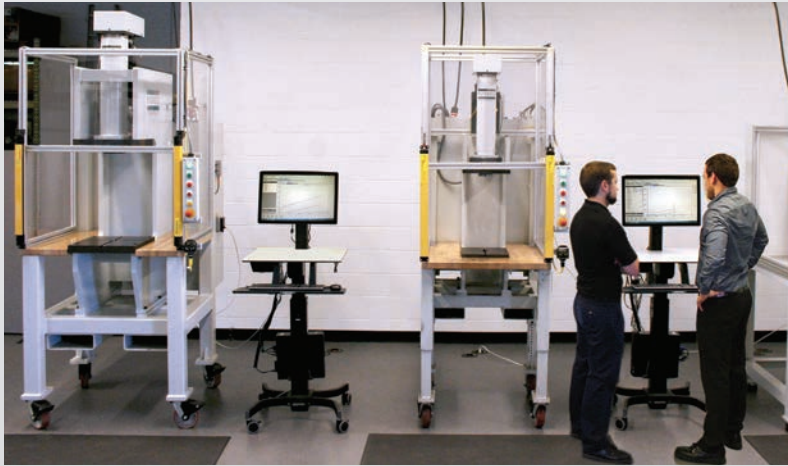
*Custom lengths available upon requests

Process Development Center

Promess would like to invite you to our Process Development Center. The PDC is available to help you develop your processes and confirm the Promess technology that is best suited for your application. Call today to set up a visit.

The Process Development Center gives you access to:

- EMAP (Electro-Mechanical Assembly Press) Work Stations with capabilities ranging from 0.2kN-300kN
- TorquePRO stations ranging from 1Nm-600Nm
- REMAP (Rotational Electro-Mechanical Assembly Presses) which combines rotational and linear motion in one machine



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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Cloning the perfect part