



Servo Press Work Station

Press Range 100 to 50,000 lbs

The Promess Work Station has been designed for a range of uses including part testing, part development, prototype builds, process development, and training.

The Work Station is a stand-alone unit with a Promess precision servo driven ball screw press and motion controller. The ability to press (control) to a programmable position or to a force are a few of the features of the press system.

Unlike the traditional hydraulic press systems, the Promess Work Station is completely electric. Because the press incorporates the latest servo technology, there are no hydraulic components to maintain (cylinder, pump, valves, or oil).

Included with the work station is the Promess application and programming software. The software allows for the quick and easy setup of programs thru the Promess HMI. The software capabilities include the ability to graph and store the force versus position signature curves.

Additional sensors can be added to cover any application or test requirements. Sensors can include force, position (analog or linear encoder), flow and temperature.



Work Station Includes

- Promess Ball Screw Servo Press
- Promess EMAC motion controller
- Force transducer
- Press stand with c-frame
- Light curtain
- Guarding
- HMI with keyboard and mouse
- Programming software

Options

- External position transducers
- Additional load cell ranges
- Door
- Shelf for desk top PC

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

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 Press Sizes

Force	Stroke	Speed
1KN	100 mm	200 mm / sec
3 KN	100, 300 mm	200 mm / sec
5 KN	200, 350 mm	200 mm / sec
8 KN	200, 350, 500 mm	200 mm / sec
12 KN	200, 350, 500 mm	200 mm / sec
20 KN	180, 350, 550 mm	200 mm / sec
40 KN	330, 660 mm	200 mm / sec
60 KN	330, 660 mm	175 mm / sec
80 KN	330, 660 mm	175 mm / sec
100 KN	330, 660 mm	100 mm / sec
120 KN	330, 660 mm	100 mm / sec
240 KN	350 mm	75 mm / sec
500 KN	400 mm	75 mm / sec

Work Station Dimensions

