



FUNCTIONS

- Individual Bolt Preload Measurement
- Raised-Face Flange Module (Semi-Metallic Gaskets)
- Torque-Preload Demonstration Module
- Flat-Face Flange Module (Sheet Gaskets)
- Integrated Preload & Gasket Compression Correlation
- Data Acquisition (DAQ) System
- Custom Flange Modules Available
- Simplified Design, Handling, Ease of Operation
- Compact Shipping Container
- LCD Projector Compatible
- Optional Pressure/Temperature Capability

	FADU	OTHERS
Individual Bolt Preload Measurement	X	X
Raised-Face Flange Module (Semi-Metallic Gaskets)	X	X
Torque-Preload Demonstration Module	X	X
Flat-Face Flange Module (Sheet Gaskets)	X	
Integrated Preload & Gasket Compression Correlation	X	
Data Acquisition (DAQ) System	X	
Custom Flange Modules Available	X	
Simplified Design, Handling, Ease of Operation	X	
Compact Shipping Container	X	
LCD Projector Compatible	X	
Optional Pressure/Temperature Capability	X	

FLANGE ASSEMBLY DEMONSTRATION UNIT

Finally. An affordable, full-featured, and easy-to-use flange assembly demonstration unit designed especially to meet the requirements of training organizations and individual trainers alike!

Unlike other similar units, the simplified JJENCO FADU design is based upon nearly 15 years of teaching key bolted joint assembly techniques to diverse groups of process plant engineers, mechanics, and other support organization personnel around the world. We not only know what it takes to illustrate the key technical principles that determine effective gasketed bolted joint assembly, we also understand what it takes to be able to successfully convey that information to students in a decisive manner. The JJENCO FADU is designed to do just that!

Using this unit, training instructors can demonstrate the effects that different gaskets and assembly techniques can have on gasketed joint assembly. Using 'hands-on' training, students can easily see for themselves the importance of correct assembly techniques, adequate gasket compression, the effect of creep relaxation on gasket performance, and numerous factors affecting the torque-preload relationship, including lubricant selection, application, and wrench usage. Ad-hoc experiments can be devised and conducted to answer questions concerning specific plant applications. Performance comparisons of gaskets, fastener lubricants, and other materials is also easily accomplished using this unit.

The sophisticated data acquisition system easily connects to your computer (not supplied) via a single universal serial bus (USB) connection. Custom software automatically displays collected data on bolt preload stress, gasket compression, and torque-preload relationships in real-time on your computer monitor in an easily understandable layout. This software-based approach provides significant flexibility to meet user requirements and future upgrades. An LCD projector can be easily added to support demonstrations in large classroom settings.

A FADU pressure/temperature option is also available for flange pressurization to 150psig and temperatures to 200°F.