

"JOINT"™

Ohio Engineering And Fixture Inc. • 12379 Kinsman Rd. • P.O. Box 331 • Newbury, OH 44065 • Phone (440) 564-9533

A compact air operated test fixture, designed and built expressly for the ISO 9000 programs, that is at home in the quality assurance laboratory or on a self contained cart that can be easily moved to the tool operating station.



The "Joint"™ MODEL **JT-20**



This fixture is ideal for calibrating and certifying the torque output of nutrunners. Simply adjust the joint rate controls (from hard to soft or anywhere in between) and the "Joint"™ will conveniently and repeatedly load direct drive nutrunners to their operating or stall torques.

With the provision for internal mounting of your master torque transducer, bending moments on your expensive transducer are eliminated giving a cleaner and more repeatable interface to your read-outs and/or recorder.

Talk about justification and cost savings, the "Joint" can be immediately recycled by the operator. Taking his or her foot off the foot switch immediately returns the "Joint"™ to the start cycle position. When running hundreds-of cycles this speed allows for justification in weeks or months.

FEATURES:

- Safe operation - torque reaction is self contained within the fixture when using the built-in tool rests. Brake operation begins only when the operator initiates the cycle with the foot switch.
- Fast - the fixture is reset and ready for the next rundown by releasing the foot switch. There is no need to back off a threaded stud as with washer stacks. Satisfied customers report time savings of up to 80% in collecting statistical data when compared to spring washer stacks.



- A variety of master torque transducers can be installed inside the test fixture. This protects the expensive transducer and eliminates any side loading that can influence test results. This feature also encourages the use of on the job reaction bars that may not be practical with the added length of an external master transducer.

- Low starting inertia reduces the chances of recording start up torque readings that ruin statistical analysis.
- The joint rate can be easily adjusted from extremely hard to extremely soft, or anywhere in between by adjusting the built-in flow regulator. A continuous run break-in torque can be set by adjusting the pressure regulator. By adjusting pressure and air flow any joint can be simulated.
- Compact size is ideal for bench tops or mobile carts. These fixtures can easily be taken to the application for initial set up or torque audits.
- By using a previously qualified transducer, new data is compatible to previous data. Many types of electronics can be interfaced to feed data directly to your computer.
- Variety of specialized reaction plates can be made to fit onto the JOINT™ reaction bars for particular applications.

Five Models to Choose From:

MODEL#	LENGTH	WIDTH	HEIGHT	WEIGHT	CAPACITY	DRIVE *
JT-20	13 "	6 "	9 "	18 LBS	20 FT. LBS.	3/8 "
JT-60	16 "	10 "	10 "	52 LBS	8-60 FT. LBS.	1/2 "
JT-200	18 "	12 "	10 "	120 LBS	50-200 FT. LBS.	3/4 "
JT-600	24 "	13 "	13 "	200 LBS	100-600 FT. LBS.	1 "
JT-2000	28 "	12 "	14 "	330 LBS	200-2000 FT. LBS.	1 1/2 "

A unit having capacity to 3000 ft.lb. can be special built. * Square drive, other drives may be special ordered.