

# Automated Force Measurement Test Stand

## Rapid Scale Calibration with NIST Traceability



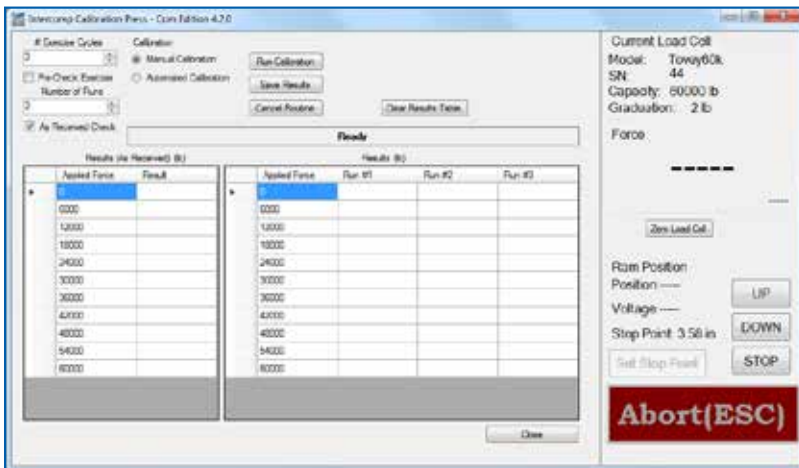
### ***CSA™ Automated Test Stand***

As the choice of various international maintenance organizations, Intercomp's **Automated Test Stand** makes the scale calibration process as simple as possible. Software controlled testing, alignment, and verification allows for processing each scale in under 30 minutes.

With the computerized operation of the press and software, manual pumping and potential for data entry errors is removed. Intercomp automated test stands are utilized by the commercial aviation industry and government agencies, including the USAF and US Army, for their scale calibration labs.

## FORCE MEASUREMENT TEST STAND

- Load Cell & Indicator are Traceable to NIST
- Computer-Controlled, Self-Contained Hydraulics Enable Hands-Free Operation
- Excellent Stability– Capable of Holding  $\pm 2$  lbf Over One Minute at 60,000 lb or More Applied Force
- Can be Used with Any Scale Brand
- Designed & Engineered to Meet ASTM E74-18



### Computer Controlled Calibration Process

- Software Controls Press Actuation & Records Results Rapidly & Accurately
- Displays Force Being Applied by Load Cell as well as Current Scale Readout Simultaneously with Intercomp Scales
- Verifies Tolerance of Results & Alerts User if Scale is Out of Spec
- Results are Automatically Verified & Sent to PC for Analysis & Result Storage
- Easily Retrieve History of all Scales Loaded in System

### CSA™ Specifications

Capacity	Up to 100,000 lb (50,000 kg)
Accuracy	$\pm 0.025\%$ of Reading
Stability	0.001% of Load Cell Capacity
Resolution	Adjustable Down to 0.001% of Load Cell Capacity
Working Clearance	1 to 8 in (25 to 203 mm), 60k Model 1 to 9 in (25 to 229 mm), 100k Model
Ram Travel	7 in (178 mm)
Power Source	AC 220V/10A or 460V/6A (Requires 3-phase)
Test Measurement Area	58 x 55 x 48 in (1,473 x 1,384 x 1,219 mm)
Overall Size	88 x 49 x 77 in (2,245 x 1,219 x 1,959 mm)

### Calibration & Maintenance Services

Our headquarters in Medina, Minnesota- USA offers a full service center and certified technicians providing complete repair, support and calibration for all Intercomp products. Featuring high-precision, fully automated force calibration systems with capacities to 50 tons and tension calibration systems with capacities to 250 tons, we calibrate scales & systems with standards traceable to U.S. National Institute of Standards and Technologies (NIST). Intercomp also maintains an inventory of over 20,000 pounds in dead weights used for testing and calibration which are certified by the MN Department of Weights & Measures.

For customers located in Europe, Middle East and Africa, Intercomp has a sales and service center in the United Kingdom as well. Calibration capabilities include dead weight and fully automated forces of up to 50 tons with standards traceable to the Bureau International des Poids et Mesures (BIPM).

Both calibration and repair facilities are regularly audited as part of our ISO 9001:2015 Certification.

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Specifications subject to change without notice.

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