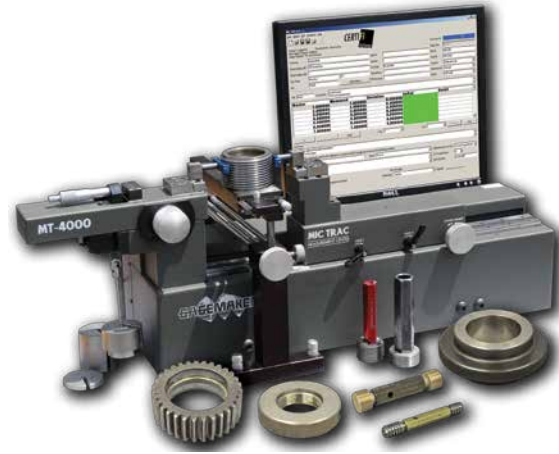


# Design Your Own Calibration Program





## Inspect Parts, Calibrate and Track Gages In-House Precision Gage Calibration System MIC TRAC 4000 Series

- Delivers the highest accuracy in a controlled environment
- Calibrates your ring and plug gages regularly with TDWIN thread calculation software
- Produces computerized digital readouts, calibration reports and certificates
- Avoid calibration service "turnaround times" by having your own system in place
- Tracks & retrieves gage history, certifications, calibration dates and renewal information
- Offers a huge variety of accessories for unmatched versatility in measurement capabilities

## Calibrate Hand Held Gages, and Preset Indicator Style Gages Shop Floor Gage Setting & Part Measurement System MIC TRAC 3000 Series

- Delivers high accuracy in a variety of environments including the shop floor
- Serves as a setting master for gages produced by various manufacturers
- Provides fast, accurate dimensional part measurements
- Calibrates hand-held gages in-house for faster turnaround
- Ensures measurement repeatability from operator to operator using the optional Force Lok accessory



## Choosing the Right Calibration System

### Step 1: Find what type of gages you have.

Gages & Indicators for Calibration	RG-7000 PG-6000	PD-8000 Micrometer Calipers ET-7000 IT-6000	Calipers	Depth Micrometers	Indicators ( $\geq 0.0001"$ Res.)	LG-5002 / Allen Lead Gage	LG-5003	TH-3000 MRP Upper Arm	PD-8000 Micrometer ET-7000 IT-5000	Test Indicator ( $\geq 0.0001"$ Res.)	Cylindrical Ring	Threaded Plug	Threaded Ring (Solid Only)	Cylindrical Plug (NPT)	Spline Gage	Dial Bore Gage
MT-4000 (Accuracies to .00001" (.254μ))	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MT-3000 (Accuracies to .00002" (.508μ))	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

### Step 2: Determine which system you need.

MT-4000 (Accuracies to .00001" (.254μ))	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MT-3000 (Accuracies to .00002" (.508μ))	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

### Step 3: Locate the fixtures and accessories necessary.

Necessary Fixtures & Accessories By Gage Type	Cal-Pak Calibration Package <small>Included with MT-4000 In-House Calibration System; can be purchased separately.</small>										Additional Calibration Accessories <small>These fixtures and accessories are not part of the CAL-PAK and must be purchased separately.</small>					
	TF-1F	TF-SA	TF-CA	TF-DG	TF-IND	TF-LG-2	TF-LG-3	TF-VB	TF-SV	TF-SS <small>(Included in the CAL-PAK)</small>	TF-CR	TF-2R	TF-IT	TF-TP	TF-SP	TF-VN
TF-SA to Support RG-7000/PG-6000 for Setting	TF-1F	TF-SA to Support Long Calipers	TF-SS Required to Support Extended Probes			TF-1F	TF-1F	TF-1F	TF-1F	TF-1F TF-TI Required with TF-SS to Test Indicator Probes	1-2-3 BLOCKS INTERNAL GAGE BLOCK	MASTER RING GAGE BLOCK TF-WH	1-2-3 BLOCKS	TF-2R THREAD WIRES	1-2-3 BLOCKS	TF-1F <small>(Included in the CAL-PAK)</small>

# CALIBRATION SYSTEMS

## Calibration System Specifications



### In-House Precision Gage Calibration MIC TRAC 4000

- Accuracies to .00002" (.508  $\mu$ ) traceable to the NIST
- Ultra precision scale with 1.00" travel and resolution of .00001"
- Houses two precision optical glass scales enabling its precision measuring capability
- Includes receiver pads and anvils that are manufactured and precision ground to .00001"
- Adjustable electronic measurement master with ranges from 0" to 48"
- Provides critical thread dimensions for manufacturing & inspection using TDWIN Software
- Adjustable tilt support table to accommodate many applications
- Assortment of fixtures to hold various types of gages during calibration
- Documented calibration procedures for your lab
- Requires closely monitored environment held at 68°F with relative humidity not to exceed 50%
- Dell desktop computer and CERTIFI calibration software to produce calibration reports, recal stickers, and gage usage history. Single user or network versions available

### Shop Floor Gage Setting & Part Measurement System MIC TRAC 3000

- Accuracy:  $\pm .0001$ " (2.54 $\mu$ ) traceable to NIST
- Resolution of .00005"
- Digital readout provides measurement reading in inch or metric
- Durable construction allows use in practically any environment
- State of the art assembly of internal glass scale, precision linear bearing and a set of precisely lapped measuring blocks
- Electronic adjustable measurement master with ranges from 0" to 12" (Units with up to 60" Ranges)
- Unique Force-Lok feature for measuring parts and improving repeatability from operator to operator



## Gagemaker Professional Calibration and Repair Services



### We Inspect, Calibrate, Repair, Track, and Certify Gages and Calibration Equipment

- Clean and inspect your equipment for any visual damage
- Generate all necessary calibration certificates
- Inspect equipment following specific procedures developed per instrument
- Verify real accuracy and repeatability of the gage
- Return equipment to manufacturer specifications to maximize productivity



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