



CML Enterprises Inc.

WBE Certified

Solutions in Control | Calibration | Valves | Instrumentation | Services & Repairs

CML Enterprises Inc, a certified Women Owned Business, provides full service Calibration Services and Certification for numerous Pressure, Temperature and Electrical Instrumentation using our high accuracy all-in-one Beamex MC6 calibration equipment. All Instrument Calibration and Certification is traceable to National and International measurement standards (N.I.S.T.). We at CML understand the importance of Instrument Calibration to maintaining quality and cost controls.

CML CALIBRATION SERVICES

beamex:

CML Enterprises, Inc. can perform inspections, initial tests, repairs and full multi point calibrations in the following measurements:

- Pressure
- Electrical (Frequency, Current, Voltage, Switch Testing, & RTD Measurement)
- Temperature (RTD's, Thermocouples, Transmitters)
- Communication Capabilities:



Through our calibration procedures CML also uses Beamex CMX calibration software which we use to create a database to keep track of all our customers' instruments. This software helps manage and store data and reports, as well as plan and schedule upcoming calibrations. With this software CML can analyze and optimize calibration intervals based on the customers' needs. Once the calibrations are completed we produce certificates with calibration reports in either paper or electronic format.

CML has the capabilities to calibrate a broad range of instruments including:

- Pressure Gauges
- Pressure Transmitters
- Pressure Switches
- Red valve assemblies
- Thermometers
- RTD Transmitters/Thermocouples
- Valves/Positioners
- Pneumatic Controllers
- Electronic Transmitters
- Electronic Controllers
- Recorders
- Vortex and Magnetic Flowmeters
- Laboratory Weighing Scales
- pH Probes and Systems

CML not only offers in-house calibration services but field service calibration services as well.

FIELD SERVICE CAPABILITIES

Experience has shown that routinely scheduled equipment inspecting and calibrated saves money by maintaining accurate process control and by detecting potential problems early.

Our experienced service technicians offer a wide range of field instrument service capabilities including:

- Field calibration services (on demand or routine)
 - Electronic Pressure Transmitters
 - Differential Pressure Transmitters
 - Temperature (RTDs, Thermocouples, Transmitters)
 - Chart Recorders
 - pH Probes and Systems
 - Laboratory Weighing Scales
 - Certification traceable to N.I.S.T.
- Set point adjustment and testing (Pressure Switches, Temperature Switches)
- Hydro-static Pipe Testing
- Pressure and Temperature Data Logging
- On Demand Emergency Services
- Installation Supervision

CUSTOMER SUCCESS STORY *Argonne National Laboratory*



CML Enterprises Inc. was published in Calibration World magazine, which is a Beamex corporate magazine for the calibration professional.

CML Enterprises Inc. was chosen as the calibration provider for Argonne National Laboratory (ANL). One of the U.S. Department of Energy's largest national laboratories for scientific and engineering research, ANL is located just outside of Chicago. Their role in the project at ANL is to perform calibration, and document and manage all calibration information as it relates to the Yokogawa DP Transmitters within the APS Facility. Efficiently and safely using Beamex's Multifunction Calibrator with the CMX Professional Calibration Management software confirmed high quality performance and created valuable documentation. CML and Argonne have both maximized their productivity and created a solid documentation system using Beamex equipment and software.

[Click to view the article](#)

TESTIMONIALS

CML Enterprises performed calibration services of differential pressure transmitters for critical systems used for protection of both personnel and equipment. They did the work during tight time frame of the facility that operates 24/7 with impressive efficiency and knowledge. We are very satisfied with CML performance and plan to continue using their services.

- Gene S, Argonne National Laboratory

Over all, I just want to say that Bob and Bobby are excellent people. They really know how to represent CML Enterprises. I highly recommend their calibration services, they are flexible and very reliable. They work hard and they will do anything they can, to get those instruments up and running. Great job I will look forward to work with you next year. Thank you.

- Santiago G, Nestle Professional Beverages

CML Enterprises worked with my team to calibrate several unique pressure transmitters at our facility over the course of two days. The transmitters were of varying types and often located in difficult to reach locations. Bob and Rob were extremely helpful throughout the process and completed the work well within the allotted time frame. I'm happy to recommend their services to anyone in the industry, and look forward to continuing our relationship.

- Teddy K, Argonne National Laboratory

I have dealt with CML Enterprises for many years, and they are my most trusted suppliers of pressure and temperature calibration and certification. We have never had a problem with their work. I have known the Lefley family for over 50 years.

- Jay S, U.S. Process Controls Inc.

PRESSURE CALIBRATION

We offer Pressure Calibration services on the following instruments:

- Gauges
 - Analog Gauges
 - Digital Gauges
 - Duplex Gauges
- Transmitters/Transducers
 - 4-20 mA output
 - Differential Pressure Transmitter
 - HART
 - FieldBus
- Switches
 - Single-Pole, Double-Throw
 - Double-Pole, Double-Throw
 - Differential Pressure Switch
- Assemblies
 - Red Valve/Annular Seal Assemblies
 - Diaphragm Seal Assemblies
- Some of the Pressure Units we support:
 - PSI
 - bar
 - inH₂O
 - ftH₂O
 - inHg
 - kPa
 - Pa
 - Mbar
- Pressure & Vacuum Accuracy & Ranges:
 - $\pm 0.01\%$ of Full Scale Accuracy for ranges up to 160 iwc (inches water column)
 - $\pm 0.005\%$ of Full Scale Accuracy for ranges -14.5 thru 300 PSI
 - $\pm 0.007\%$ of Full Scale Accuracy for ranges 0 thru 9,000 PSI
 - $\pm 0.25\%$ of Full Scale Accuracy for ranges above 9,000 PSI
- Testing Points
 - 3 Point Up & Down Procedure
 - 5 Point Up & Down Procedure
 - Custom Point Up & Down Procedure
 - All procedures are N.I.S.T. traceable calibration certifications

TEMPERATURE CALIBRATION

CML Enterprises, Inc. provides Temperature Calibration Services and Certification for Thermometers, Bimet, Switches, RTDs, Thermocouple, & Transmitters. Accuracy & Ranges:

- We can calibrate in either Fahrenheit or Celsius
- ± 0.01 °C of Full Scale Accuracy for ranges -25°C thru 600°C (-13°F thru 1112°F)

Testing Points:

- 3 Point Up & Down Procedure
- 5 Point Up & Down Procedure
- Custom Point Up & Down Procedure
- All procedures are N.I.S.T. traceable calibration certifications

SERVICE AND REPAIR



With CML's extensive knowledge of instrumentation we can offer various In-house services including:

- Instrument repair, replacement, refurbishment and filling
- Diaphragm seal & Annular seal assembly-filling
- Custom built pressure capillary systems-assembly-filling
- Set point adjustment and testing of pressure switches
- Hydraulic Burst Testing

DIAPHRAGM SEAL & CAPILLARY ASSEMBLY

CML offers a full line of diaphragm seal and capillary assembly, fill, and repair services. Our factory trained technicians can build custom assemblies to your specifications. We have one of the most comprehensive diaphragm seal and capillary fill station setups.

Our Capabilities Include:

- In house construction of diaphragm seals & capillaries
- We calibrate and certify all our assemblies which are traceable to N.I.S.T.
- Repair and replacement of existing diaphragm seal & capillary assemblies
- Ability to efficiently fill multiple diaphragm seal assemblies simultaneously
- Fill Fluids: Food Grade Silicone, Glycerin, Glycol/Water, Syltherm, Halocarbon & Neobee M 20, Silicone 704 & 705

With our extensive knowledge of instrumentation, we can repair and offer solutions for a instruments that no longer meets the necessary standards. We offer quick turn around on all our calibrations to meet our customers' demands.

Call us today to request additional information or a quotation on any of our In-House & field services or repair capabilities.

ABOUT CML ENTERPRISES INC.

CML Enterprises, Inc also provides innovative solutions for process measurement & control and electrical & communication materials aimed at Pressure, Temperature, Level, Flow & Valve applications. Since 1988 CML, a certified Women Owned Business, has been providing quality equipment and experienced application engineering with an unrelenting desire to create proactive customer relationships. To view all the various products and manufacturers we represent please visit our website.

Find us on Google+,
Facebook and LinkedIn



Bob: 708-426-5989
Rob: 708-289-2960
sales@cmlenterprisesinc.com
Fax: 708-260-9696

Chicago Area Location
743 Dorchester Drive
Bolingbrook, IL 60440

Michigan Location
6936 Windwood Lane
Fennville, MI 49408