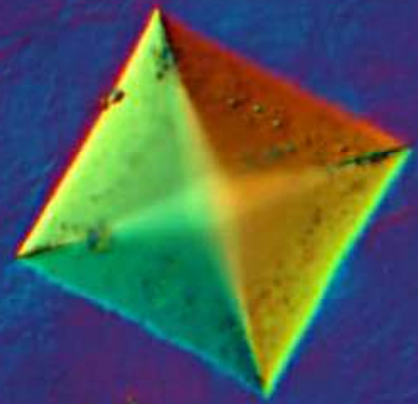




**BUEHLER**

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HARDNESS  
TESTING  
SOLUTIONS for  
**NADCAP**  
ACCREDITATION  
& AUDIT



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**BUEHLER** is a premier manufacturer of scientific equipment and supplies for use in material analysis, hardness testing, and imaging analysis

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# **BUEHLER**

## The Partner for Your NADCAP Success

Since 1936 Buehler has been a leading supplier of materials preparation, hardness testing equipment and accessories for industrial manufacturers. For more than 100 years Reicherter, Wolpert, and Wilson® have designed and manufactured innovative and unique hardness testers. Today Buehler continues in their path with new designs and technologies to meet growing demands. In 2011, Wilson Hardness was combined with Buehler to provide a more robust product offering for the ITW Test and Measurement division.

The National Aerospace and Defense Contractors Accreditation Program (NADCAP) is a global cooperative accreditation program for aerospace, defense and related industries. The program develops industry-wide manufacturing processes that are applied by aerospace accredited manufacturers and suppliers. These processes can be found in different areas of material-recovery, such as coating, heat treatment and welding processes as well as inspection methods, such as hardness testing and microstructural analysis. Buehler's experience, expertise and robust equipment help suppliers and manufacturers meet the aerospace industry's NADCAP accreditation.

## Why select Buehler as Your Partner for NADCAP?

### Buehler's Wilson Hardness Calibration Laboratory is Recognized Globally

The lab is accredited to ISO/IEC 17025 by A2LA and the testers used in the calibration process undergo a stringent monitoring process using NIST traceable devices. Test blocks undergo 100% inspection and meet ASTM physical requirements.

### Wilson Hardness Testers Are Proven Industry Leaders

Wilson hardness testers include a comprehensive range of hardness testers from Rockwell®, Knoop/Vickers, and Brinell to fully automatic production systems. Our hardness testers are complemented by a range of ISO test blocks, accessories, and fixtures.

### Buehler is Accredited for Direct and Indirect Calibration

Buehler adheres to ISO 9001, ISO14001, ASTM, DIN, ISO, MIL standards. The company is accredited to ISO/IEC 17025 for ASTM and ISO standards for calibration.

Buehler is accredited by A2LA Certificate Number: 2237.01 for direct and indirect calibration of:

- E92/E384 - All Vickers and Knoop Scales
- E18 - All regular and superficial Rockwell scales noted in Certificate 2237.01.
- E10 - 10/3000 and 10/500 full range direct and indirect.

### Buehler Has the Team to Assist NADCAP Accredited Customers

As part of the ITW Test & Measurement Group, Buehler maintains its own service department of experienced service engineers and also coordinates verification with Instron and an experienced distributor service team. We have global presence and global experience in working with customers to meet NADCAP audits.



Vickers & Knoop Testers

Universal Testers

Rockwell Testers

Brinell Testers

# Globally Recognized Accreditation



CERT#2237.01 - CALIBRATION

## Solutions for NADCAP Accreditation

### Buehler Has the Expertise for Direct Verification

As part of the ITW Test & Measurement Group, Buehler maintains its own service department of experienced service engineers and also coordinates direct verification with Instron and an experienced sales and distributor team. We have global presence and global experience in working with customers to meet NADCAP audits.

### DiaMet Hardware Software - Prompts User to Perform Indirect Verification Tests

Buehler developed a special verification software module within the DiaMet hardness software. The verification program will prompt operators to perform indirect verification tests as required. This way, full traceability is guaranteed and is clearly exhibited during audits.

### Calibration and Cleaning Services

Ensure consistent performance of equipment, minimize production downtime and reduce the likelihood of costly repairs with Buehler Calibration Services. Cleaning and calibration of high precision equipment provides repeatable and reliable results. As a valued customer, we appreciate your partnership and are here to support you with repair services and spare parts under warranty and beyond.

### ISO / ASTM Calibrated Hardness Blocks Direct from Buehler


All hardness test blocks used in day to day indirect verification in accordance with ISO & ASTM standards and are calibrated in the Buehler standards laboratory on machines with Direct verification traceability.




## A Solid Partner for Your Metallography Laboratory

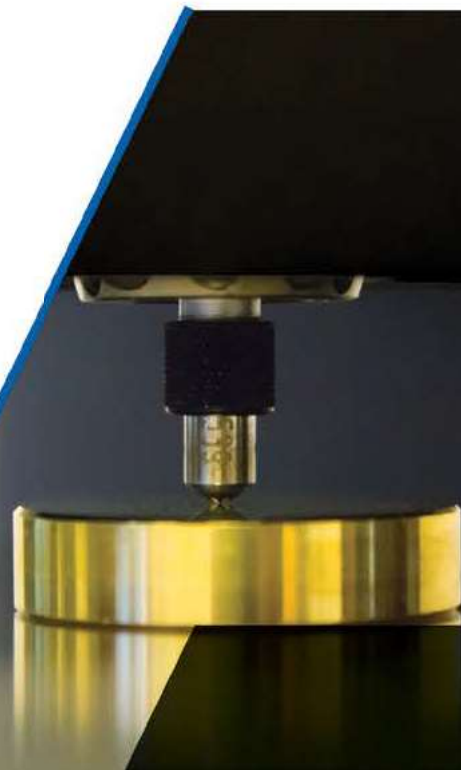
 **Consultation Available for New Equipment or Improved Processes.** Buehler field engineers and laboratory experts are available to provide custom solutions for your application. Visit [buehler.com/contact-buehler.php](http://buehler.com/contact-buehler.php)

 **Buehler carries a complete line of metallography equipment** from sectioning, grinding/polishing, mounting, image analysis to hardness testing. Visit [www.buehler.com/#products](http://www.buehler.com/#products)

 **Service Technicians Available for Calibration.** An accredited technician will perform a scheduled calibration in compliance with current ASTM E10, E18 or E384 using N.I.S.T. traceable standards where applicable. For service requests, visit [service.buehler.com](http://service.buehler.com)

 **Certified hardness reference blocks** for Rockwell, Brinell, Vickers and Knoop hardness testers produced in our own facility. Visit [www.buehler.com/hardness-testing.php](http://www.buehler.com/hardness-testing.php)

 **Complete line of consumables available.** Most are in stock and ready to ship daily. Visit [shop.buehler.com](http://shop.buehler.com).





With over 80 years of expertise in the materials preparation market, Buehler is your solutions provider. Combining robust products, industry knowledge and partnerships with accreditation bodies and Buehler Solutions Centers, we know the requirements of the aerospace and defense industries. We are committed to maintaining the highest standards in quality and service.

- Sales Engineers, Technical Product Specialists and Applications Engineers dedicated to understanding your needs and marketplace
- 45+ world class Buehler Solution Centers and partners providing methodology for material preparation
- Strict adherence to standards including, ASTM, DIN, ISO, MIL

## Solutions

Buehler Solutions Centers provide materials preparation and analysis techniques and training to our customers worldwide. Our mission is to deliver valuable application solutions by applying Buehler products and methodologies. We are committed to maintaining the highest standards in quality and service.

- Labs dedicated to creating application solutions.
- Customer service laboratory for materials preparation and analysis
- Collaboration opportunity (research, papers, testing).



## Services

Service teams ensure consistent performance of equipment and help maintain existing Buehler equipment with parts and repair. Buehler provides electronic calibration of high precision equipment for repeatable and reliable results.

- Preventative maintenance services include cleaning machine, mechanical inspection and adjustments
- Onsite Training ISO 9001 - 150 14001 Registered and ISO17025 Accredited



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**Solutions for Material  
Preparation, Testing  
and Analysis**

