VOLUME 26.2

# TOOL A-THON

SEPTEMBER 15, 2026 – FEBRUARY 28, 2027




TECHNICUT
INDUSTRIAL SUPPLY INC.
201-9466 189 St. Surrey
604-888-4052
sales@technicut.ca

ECLIPSE
TOOLS NORTH AMERICA INC

# Bowers Air Gauging: A New Approach

## HIGH ACCURACY NON-CONTACT MEASUREMENT

Air Gauging is a fast, user-friendly method of providing high precision results in even the most challenging of shop-floor environments. Using air flow volumes and pressures to measure parts, Air Gauging is a reliable, repeatable technology well suited for applications that demand sub-micron precision tolerancing.



**Benefits:**

- Fast & user friendly
- Reliable & repeatable
- Highly accurate & precise
- Robust & wear free

The working range of our standard air gauge tooling is 0.08mm but can be extended by the addition of a third master. For optimum accuracy, Bowers produces the Setting Masters at the Upper and Lower product limits.

Different organizations may prefer differing methods of air gauging. Bowers Group offers air gauging with a multi-function touchscreen Air Gauge Display, the Bowers Air1/2, as well as the multi-function multi-channel Air3. The Air3 is expandable and can handle up to 99 connected devices.






## Bowers Air3




- 7" full-color touchscreen with customizable interface
- High-resolution display with up to 5 decimal places
- Supports up to 99 connected devices
- Automatic fixture detection (up to 32 fixtures)
- Measures up to 32 characteristics per fixture
- Static & dynamic measurement modes (Min, Max, Max-Min, Average, Median)
- Built-in SPC functions for process control
- Trigonometrical measurement capabilities
- Multiple connectivity options: Ethernet, USB, RS232 & M-BUS
- Compact, durable aluminum construction for shop-floor use

## Standard Air Gauging Tooling & Air Rings



- Standard tooling for through bores and blind bores
- Multiple connection options available
- Air Rings supplied with centrally positioned jets as standard
- Ergonomic handheld design
- Bench-mounted versions available upon request
- Fully customizable tooling to suit specific applications

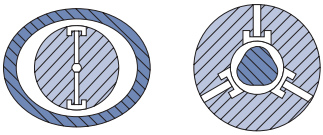


Prices & Specifications are subject to change without notice.

# Bowers Air Gauging: Applications

**Bowers Air Gauge tooling can be configured in a variety of ways for a range of applications. All Bowers Air tooling can be customized to suit your application and meet the specific measurement needs of your business.**

## Out-of-Roundness



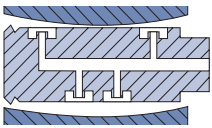
Air tools can gauge a part for roundness. For two-point out-of-round conditions, a standard two-nozzle air tool can be used. If lobing exists in the part, an odd number of nozzles must be used, depending on the number of lobes.

## Averaging



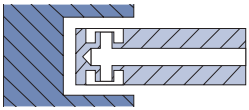
Multiple nozzles are equally located about the circumference of the air tool to allow for average size measurement. Commonly used for thin-walled or out-of-round parts — four, six, or more nozzles are utilized, depending on the tool size.

## Straightness



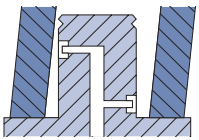
A common application of Air Gauging is to dynamically measure the straightness or "bow" of an inside or outside diameter. In this case, a custom designed air plug makes verifying a part's straightness simple and fast. (A straightness air plug cannot be used to measure diameter).

## Groove Width



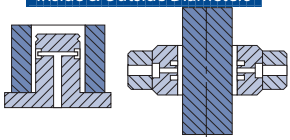
The measurement of grooves is conveniently achieved with flat, blade-type air tools. Air Gauging not only determines groove size, but with exploration around the workpiece, parallelism of the groove faces can also be determined.

## Squareness



To determine squareness of a part, for example a bore to a face, air nozzles configured as a "z" are used with dynamic measurement to change the back-pressure from square to out of square conditions.

## Inside & Outside Diameters



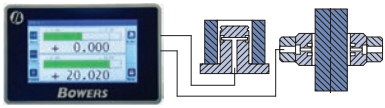
Air Gauges are most commonly used for measuring the size and form of inside diameters and outside diameters. Two-nozzle air plugs, with nozzles diametrically opposed, are used for internal measuring, and two-nozzle air rings are used for external dimensions.

## Taper




Angle variation of tapered surfaces is commonly checked with air gauging as the difference of two diameters. The Bowers Air2 (Firmware 1.2 or later) has DMS (Degree-Minute-Second) capability build in.

## Matching




A specified clearance between two mating parts is often required to assure proper part operation. The Bowers Air2 allows for the individual display of the bore size, or shaft size and the clearance between the two parts. Operators need only observe the clearance display to determine if the two components have the required match dimension.

CALL US AT
1-800-260-2124
TO DISCUSS YOUR APPLICATION

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# Bowers BLUETOOTH

## XTH3 Bluetooth Holematic Pistol Grips




*Pistol grip design significantly decreases measuring time*

**Features:**

- Coolant proof, dust proof - IP67
- Resolution: 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet or computer
- Self centering 3 point heads above 0.250"
- Tungsten carbide measuring faces on all 3-point heads from 0.5"/12.5mm and up
- Sizes over 0.500"/12.5mm feature blind bore capability
- Includes UKAS calibration certificates for all pistol grip, heads and rings

BOWERS GROUP — Made in ENGLAND — Protected by IP67 ENGINEERED TO RESIST

| Part No. | Range | Includes | List Price | Sale Price |
|---|---|---|---|---|
| **Pistol Grip Individual Sets** | | | | |
| XTH1i-BT | 0.080"-0.100"/2-2.5mm | 1 head, 1 handle, 1 ring | $3,616.98 | $3,255.28 |
| XTH2i-BT | 0.100"-0.120"/2.5-3mm | 1 head, 1 handle, 1 ring | $3,616.98 | $3,255.28 |
| XTH3i-BT | 0.120"-0.160"/3-4mm | 1 head, 1 handle, 1 ring | $3,555.71 | $3,200.14 |
| XTH4i-BT | 0.160"-0.200"/4-5mm | 1 head, 1 handle, 1 ring | $3,555.71 | $3,200.14 |
| XTH5i-BT | 0.200"-0.250"/5-6mm | 1 head, 1 handle, 1 ring | $3,580.22 | $3,222.20 |
| XTH6i-BT | 0.250"-0.313"/6-8mm | 1 head, 1 handle, 1 ring | $2,573.21 | $2,315.89 |
| XTH8i-BT | 0.313"-0.375"/8-10mm | 1 head, 1 handle, 1 ring | $2,487.44 | $2,238.70 |
| XTH10i-BT | 0.375"-0.500"/10-12.5mm | 1 head, 1 handle, 1 ring | $2,634.48 | $2,371.03 |
| XTH12i-BT | 0.500"-0.625"/12.5-16mm | 1 head, 1 handle, 1 ring | $2,695.75 | $2,426.18 |
| XTH16i-BT | 0.625"-0.750"/16-20mm | 1 head, 1 handle, 1 ring | $2,818.28 | $2,536.45 |
| XTH20i-BT | 0.750" - 1"/20 - 25mm | 1 head, 1 handle, 1 ring | $3,027.71 | $2,724.94 |
| XTH25i-BT | 1" - 1.375"/25 - 35mm | 1 head, 1 handle, 1 ring | $3,272.77 | $2,945.49 |
| XTH35i-BT | 1.375" - 2"/35 - 50mm | 1 head, 1 handle, 1 ring | $3,469.94 | $3,122.95 |
| XTH50i-BT | 2"-2.625"/50-65mm | 1 head, 1 handle, 1 ring | $3,432.06 | $3,088.85 |
| XTH65i-BT | 2.625"-3.125"/65-80mm | 1 head, 1 handle, 1 ring | $3,432.06 | $3,088.85 |
| XTH80i-BT | 3.125"-4"/80-100mm | 1 head, 1 handle, 1 ring | $3,678.24 | $3,310.42 |
| XTH100i-BT | 4"-5"/100-125mm | 1 head, 1 handle, 1 ring | $3,800.78 | $3,420.70 |
| XTH125i-BT | 5"-6"/125-150mm | 1 head, 1 handle, 1 ring | $4,046.96 | $3,642.26 |
| XTH150i-BT | 6"-7"/150-175mm | 1 head, 1 handle, 1 ring | $4,292.03 | $3,862.83 |
| XTH175i-BT | 7"-8"/175-200mm | 1 head, 1 handle, 1 ring | $4,452.44 | $4,007.20 |
| XTH200i-BT | 8"-9"/200-225mm | 1 head, 1 handle, 1 ring | $5,864.92 | $5,278.43 |
| XTH225i-BT | 9"-10"/225-250mm | 1 head, 1 handle, 1 ring | $6,417.43 | $5,775.69 |
| XTH250i-BT | 10"-11"/250-275mm | 1 head, 1 handle, 1 ring | $6,626.85 | $5,964.17 |
| XTH275i-BT | 11"-12"/275-300mm | 1 head, 1 handle, 1 ring | $7,362.06 | $6,625.85 |
| **Pistol Grip Complete Sets** | | | | |
| SXTH1i-BT | 0.080" - 0.250"/2 - 6mm (2 pt.) | 5 heads, 1 handle, 3 rings | $8,038.22 | $7,234.40 |
| SXTH3i-BT | 0.250" - 0.375"/6- 10mm | 2 heads, 1 handle, 1 ring | $3,064.47 | $2,758.02 |
| SXTH4i-BT | 0.375" - 0.750"/10 - 20mm | 3 heads, 1 handle, 2 rings | $3,616.98 | $3,255.28 |
| SXTH5i-BT | 0.750" - 2"/20 - 50mm | 3 heads, 1 handle, 2 rings | $4,660.75 | $4,194.68 |
| SXTH6i-BT | 2" - 4"/50 - 100mm | 3 heads, 1 handle, 2 rings | $5,213.26 | $4,691.93 |
| SXTH7i-BT | 4" - 6"/100 - 150mm | 2 heads, 1 handle, 1 ring | $4,660.75 | $4,194.68 |
| SXTH8i-BT | 6" - 8"/150 - 200mm | 2 heads, 1 handle, 1 ring | $6,257.03 | $5,631.33 |
| SXTH9i-BT | 4" - 8"/100 - 200mm | 4 heads, 1 handle, 2 rings | $10,003.22 | $9,002.90 |
| SXTH11i-BT | 0.750" - 4"/20 - 100mm | 6 heads, 1 handle, 4 rings | $7,792.05 | $7,012.85 |
| SXTH10i-BT | 0.250" - 0.750"/6 - 20mm | 5 heads, 1 handle, 3 rings | $4,292.03 | $3,862.83 |
| **Connectivity Cables/Accessory** | | | | |
| 926.6721.10 | Proximity cable with USB connection | | $257.15 | $244.29 |
| 926.6723 | Proximity cable with serial connection | | $269.08 | $255.63 |
| 981.7100 | USB bluetooth receiver | | $173.24 | $164.58 |



Prices & Specifications are subject to change without notice.

# Bore Gauging Systems

## XTD3 Bluetooth Electronic Holemikes



*Measure cylinder bores, high accuracy bearings, grooves, threads, and much more!*

***Application heads are designed to fit both our pistol grip and digital micrometer style bore gauges.***

***Contact the Eclipse Sales Team for more information! 1-800-260-2124***

| Part No. | Range | Includes | List Price | Sale Price |
|---|---|---|---|---|
| **Holemike Individual Sets (Traditional style)** | | | | |
| **2-Point Heads** | | | | |
| **XTD1i-BT** | 0.080" - 0.100"/2 - 2.5mm | 1 head, 1 handle, 1 ring | $3,125.73 | ***$2,813.16*** |
| **XTD2i-BT** | 0.100" - 0.120"/2.5 - 3mm | 1 head, 1 handle, 1 ring | $3,125.73 | ***$2,813.16*** |
| **XTD3i-BT** | 0.120" - 0.160"/3 - 4mm | 1 head, 1 handle, 1 ring | $3,124.61 | ***$2,812.15*** |
| **XTD4i-BT** | 0.160" - 0.200"/4 - 5mm | 1 head, 1 handle, 1 ring | $3,124.61 | ***$2,812.15*** |
| **XTD5i-BT** | 0.200" - 0.250"/5 - 6mm | 1 head, 1 handle, 1 ring | $3,124.61 | ***$2,812.15*** |
| **3-Point Heads** | | | | |
| **XTD6i-BT** | 0.250" - 0.312"/6 - 8mm | 1 head, 1 handle, 1 ring | $2,204.50 | ***$1,984.05*** |
| **XTD8i-BT** | 0.312" - 0.375"/8 - 10mm | 1 head, 1 handle, 1 ring | $2,204.50 | ***$1,984.05*** |
| **XTD10i-BT** | 0.375" - 0.500"/10 - 12.5mm | 1 head, 1 handle, 1 ring | $2,204.50 | ***$1,984.05*** |
| **XTD12i-BT** | 0.500" - 0.625"/12.5 - 16mm | 1 head, 1 handle, 1 ring | $2,265.76 | ***$2,039.18*** |
| **XTD16i-BT** | 0.625" -0.750"/16 - 20mm | 1 head, 1 handle, 1 ring | $2,265.76 | ***$2,039.18*** |
| **XTD20i-BT** | 0.750" - 1"/20 - 25mm | 1 head, 1 handle, 1 ring | $2,695.75 | ***$2,426.18*** |
| **XTD25i-BT** | 1" - 1.375"/25 - 35mm | 1 head, 1 handle, 1 ring | $3,064.47 | ***$2,758.02*** |
| **XTD35i-BT** | 1.375" - 2"/35 - 50mm | 1 head, 1 handle, 1 ring | $3,186.99 | ***$2,868.29*** |
| **XTD50i-BT** | 2" - 2.625"/50 - 65mm | 1 head, 1 handle, 1 ring | $3,494.44 | ***$3,145.00*** |
| **XTD65i-BT** | 2.625" - 3.250"/65 - 80mm | 1 head, 1 handle, 1 ring | $3,494.44 | ***$3,145.00*** |
| **XTD80i-BT** | 3.250" - 4"/80 - 100mm | 1 head, 1 handle, 1 ring | $3,678.24 | ***$3,310.42*** |
| **XTD100i-BT** | 4" - 5"/100 - 125mm | 1 head, 1 handle, 1 ring | $3,862.05 | ***$3,475.85*** |
| **XTD125i-BT** | 5" - 6"/125 - 150mm | 1 head, 1 handle, 1 ring | $3,985.70 | ***$3,587.13*** |
| **XTD150i-BT** | 6" - 7"/150 - 175mm | 1 head, 1 handle, 1 ring | $4,353.30 | ***$3,917.97*** |
| **XTD175i-BT** | 7" - 8"/175 - 200mm | 1 head, 1 handle, 1 ring | $4,599.48 | ***$4,139.53*** |
| **XTD200i-BT** | 8" - 9"/200 - 225mm | 1 head, 1 handle, 1 ring | $5,581.98 | ***$5,023.78*** |
| **XTD225i-BT** | 9" - 10"/225 - 250mm | 1 head, 1 handle, 1 ring | $6,134.50 | ***$5,521.05*** |
| **XTD250i-BT** | 10" - 11"/250 - 275mm | 1 head, 1 handle, 1 ring | $6,318.29 | ***$5,686.46*** |
| **XTD275i-BT** | 11" - 12"/275 - 300mm | 1 head, 1 handle, 1 ring | $6,870.81 | ***$6,183.73*** |
| **Holemike Complete Sets (Traditional style)** | | | | |
| **SXTD1i-BT** | 0.080" - 0.250"/2 - 6mm (2 pt.) | 5 heads, 1 handle, 3 rings | $7,362.06 | ***$6,625.85*** |
| **SXTD3i-BT** | 0.250" - 0.375"/6- 10mm | 2 heads, 1 handle, 1 ring | $2,940.82 | ***$2,646.74*** |
| **SXTD4i-BT** | 0.375" - 0.750"/10 - 20mm | 3 heads, 1 handle, 2 rings | $3,555.71 | ***$3,200.14*** |
| **SXTD5i-BT** | 0.750" - 2"/20 - 50mm | 3 heads, 1 handle, 2 rings | $4,905.81 | ***$4,415.23*** |
| **SXTD6i-BT** | 2" - 4"/50 - 100mm | 3 heads, 1 handle, 2 rings | $5,397.06 | ***$4,857.35*** |
| **SXTD7i-BT** | 4" - 6"/100 - 150mm | 2 heads, 1 handle, 1 ring | $4,538.22 | ***$4,084.40*** |
| **SXTD8i-BT** | 6" - 8"/150 - 200mm | 2 heads, 1 handle, 1 ring | $6,073.23 | ***$5,465.91*** |
| **SXTD9i-BT** | 4" - 8"/100 - 200mm | 4 heads, 1 handle, 2 rings | $9,695.77 | ***$8,726.19*** |
| **Connectivity Cables/Accessory** | | | | |
| **926.6721.10** | Proximity cable with USB connection | | $257.15 | ***$244.29*** |
| **926.6723** | Proximity cable with serial connection | | $269.08 | ***$255.63*** |

# XTA Analogue Bore Gauges

**Features:**
- 2-6mm 2 point / 6-300mm 3 point measurement
- Graduation 2-6mm: 0.001mm, 6-300mm: 0.005mm
- Ratchet stop to ensure consistent measurement
- More compact mechanical controller
- Lighter and ergonomically designed
- Improved functionality



| Part No. | Range | List Price | Sale Price |
|---|---|---|---|
| **Individual Instruments supplied with setting ring and UKAS calibration certificates** | | | |
| **XTA20i** | 0.750"-1"/20-25mm | $718.49 | ***$646.64*** |
| **XTA25i** | 1"-1.375"/25-35mm | $1,025.94 | ***$923.35*** |
| **XTA35i** | 1.375"-2"/35-50mm | $1,043.76 | ***$939.38*** |
| **XTA50i** | 2"-2.625"/50-65mm | $1,253.19 | ***$1,127.87*** |
| **XTA65i** | 2.625"-3.125"/65-80mm | $1,253.19 | ***$1,127.87*** |
| **XTA80i** | 3.125"-4"/80-100mm | $1,590.72 | ***$1,431.65*** |
| **XTA100i** | 4"-5"/100-125mm | $1,590.72 | ***$1,431.65*** |
| **XTA125i** | 5"-6"/125-150mm | $1,835.78 | ***$1,652.20*** |
| **XTA150i** | 6"-7"/150-175mm | $2,363.79 | ***$2,127.41*** |
| **XTA175i** | 7"-8"/175-200mm | $2,695.75 | ***$2,426.18*** |
| **XTA200i** | 8"-9"/200-225mm | $3,622.55 | ***$3,260.30*** |
| **XTA225i** | 9"-10"/225-250mm | $3,776.27 | ***$3,398.64*** |
| **XTA250i** | 10"-11"/250-275mm | $4,108.23 | ***$3,697.41*** |
| **XTA275i** | 11"-12"/275-300mm | $4,292.03 | ***$3,862.83*** |
| ***More sizes available** | | | |
| **Standard Sets supplied with individual instrument, setting rings and UKAS calibration certificates** | | | |
| **SXTA5i** | 0.750"-2"/20-50mm 3 heads, 1 handle, 2 rings | $2,744.76 | ***$2,470.28*** |
| **SXTA6i** | 2"-4"/50-100mm 3 heads, 1 handle, 2 rings | $3,678.24 | ***$3,310.42*** |
| **SXTA7i** | 4"-6"/100-150mm 2 heads, 1 handle, 1 ring | $2,781.52 | ***$2,503.37*** |
| **SXTA8i** | 6"-8"/150-200mm 2 heads, 1 handle, 1 ring | $3,961.19 | ***$3,565.07*** |

# Bowers XT Holematic Groove Sets

General sizes available.



**Features:**
- Coolant proof, dust proof - IP67
- Pistol grip handle for FAST measurements
- Resolution: 0.00005"/.001mm, direct in/mm conversion
- Error free bluetooth data transfer
- Includes depth stops and UKAS certified setting rings
- Special sizes, profiles and depth extensions available to measure any bore feature

| Part No. | Sizes Included | Anvil Step Height | Anvil Contact Width | List Price | Sale Price |
|---|---|---|---|---|---|
| **SP-SXTH10i-BT-GRO** | 1/4" - 5/16" | 0.049" | 0.059" | $7,827.18 | ***$7,044.46*** |
| | 5/16" - 3/8" | 0.049" | 0.059" | | |
| | 3/8" - 1/2" | 0.059" | 0.059" | | |
| | 1/2" - 5/8" | 0.079" | 0.059" | | |
| | 5/8" - 3/4" | 0.098" | 0.059" | | |
| **SP-SXTH5i-BT-GRO** | 3/4" - 1" | 0.108" | 0.079" | $6,319.37 | ***$5,687.43*** |
| | 1" - 1-3/8" | 0.217" | 0.079" | | |
| | 1-3/8" - 2" | 0.157" | 0.079" | | |
| **SP-SXTH6i-BT-GRO** | 2" - 2-5/8" | 0.315" | 0.118" | $7,475.75 | ***$6,728.17*** |
| | 2-5/8" - 3-1/4" | 0.315" | 0.118" | | |
| | 3-1/4" - 4" | 0.413" | 0.118" | | |



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# Application Gauging

***Application heads are designed to fit both our pistol grip and digital micrometer style bore gauges.***

CALL US AT 1-800-260-2124 TO DISCUSS YOUR APPLICATION




























# Bowers DigiMic

**Features:**

- Bluetooth IOT ready
- Compatible with Sylcom software and free mobile app
- IP67 protection rating
- Resolution 0.001mm (0.000039")
- Large LCD display
- mm / inch conversion
- Solid Carbide contact faces
- Rotary Encoder & Spindle
- Spindle Ø 6.5 mm (0.26")
- CR2032 lithium battery
- UKAS to BS 870 certification
- Exceeds DIN863/1 & ISO3611




BOWERS GROUP · Made in ENGLAND · Protected to IP67 COOLANT & FLUID RESISTANT · IOT READY




| Part No. | Range | Accuracy | List Price | Sale Price |
|---|---|---|---|---|
| DM025 | 0 - 1" /0-25mm | 0.00008"/0.002mm | $1,133.87 | $1,020.48 |
| DM050 | 1" - 2" /25-50mm | 0.00008"/0.002mm | $1,231.26 | $1,108.13 |
| DM075 | 2" - 3" /50-75mm | 0.00012"/0.003mm | $1,237.14 | $1,113.43 |
| DM100 | 3" - 4" /75-100mm | 0.00012"/0.003mm | $1,249.92 | $1,124.93 |

Prices & Specifications are subject to change without notice.

# Bowers Universal Gauge Sets

**Features:**
- Internal and external measurement
- Large measuring range possible 0-3000mm (0-118")
- Constant measuring force
- Supplied with digital readout





**TGUSET1 Contents:**
- TGU1000-XT Universal with Box but without Indicator or Accessories
- TGUA001-AN Digital / Analogue Indicator 25mm / 0.001mm c/w COWL
- TGUA006 Measuring arms 50mm (Pair)
- TGUA007 Measuring Arms 75mm (Pair)
- TGUA008 Measuring Arms 100mm (Pair)
- TGUA013 20mm Disc Anvils for measuring grooves (Pair)
- TGUA014 12mm Disc Anvils Int/Ext for measuring grooves (Pair)
- TGUA011 Shoulder anvils flat outside spigot diameter (Pair)
- TGUA012 Semi-cylindrical anvils for inside register diameters (Pair)
- TGUA010 Depth-stops (Pair)
- TGUA003 Clamping inserts (Pair)
- TGUA004 Flat Measuring Anvil (Pair)
- TGUA005 Spherical contacts (Pair)
- TGUA009 Mounting Attachment (Pair)

***Part No. TGUSET1***

**Sale $7,995.00** List Price $8,995.00

**TGUSET2 Contents:**
- TGU1000-XT Universal Gauge with box but without indicator or Accessories
- TGUA001-AN Digital / Analogue Indicator 25mm/ 0.001mm c/w COWL
- TGUA003 Clamping Insert (Pair)
- TGUA005 Spherical contacts (Pair)
- TGUA006 Measuring Arm 50mm (Pair)
- TGUA010 Depth Stop (Pair)



SCAN FOR VIDEO

***Part No. TGUSET2***

**Sale $4,995.00** List Price $5,925.00



Prices & Specifications are subject to change without notice.

# CV Instruments Rockwell Type Hardness Tester



**Features:**
- Basic regular Rockwell type tester offering accuracy, reliability and durability at an extremely affordable price
- Rugged construction, will stand up to the harshest environments
- Direct analogue reading of HRC, B, A, F
- Accuracy conforms to EN-ISO 6508 and ASTM E-18
- Mechanical test cycle without the need of electricity
- Easy load force selection by robust dial knob
- Oil brake with variable damping by adjustable knob
- Large capacity to accommodate large test specimen

***Part No. CV-600A***

**Sale $3,907.41** List Price $4,113.06

# Moore & Wright Surface Roughness Tester
## High Precision Inductive Sensor

NEW!

**Features:**
- Compact and easy to use with an extended probe for bores and internal surfaces
- Bright 2" LCD display shows measurement results, waveforms, and Abbott curves
- Comprehensive surface roughness measurement supporting parameters such as Ra, Rq, Rz, Rt, Rmax, and more
- Meets major international standards, including ISO, DIN, ANSI, and JIS
- Large data storage and PC connectivity, storing up to 500 data sets with software for analysis and Excel export
- Portable and durable design with a rechargeable battery, protective stylus shroud, precision reference standard, and tough carry case

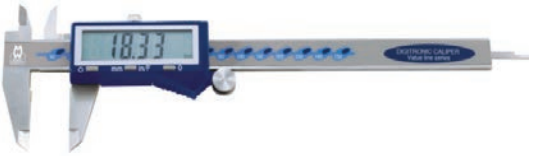


***Part No. MWT-1200***

**Sale $1,484.10** List Price $1,649.00

# Moore & Wright Fractional Reading Caliper

**Features:**
- High measuring speed: 120" per second
- Functions: mm / inch / fraction conversion, on / off, zero-setting
- Reading options: Metric / Inch / Fraction
- 4-way measurement
- Stainless steel frame with extra smooth movements
- Thumb wheel for fine adjustment
- CR2032 battery
- Range: 0-6" / 0-150mm
- Resolution: 0.0005 / 1/128" / 0.01m



***Part No. MW110-15DFC***

**Sale $78.90** List Price $87.67

# Moore & Wright Digital Long Jaw Caliper

**Features:**
- Digital functions: mm / inch conversion, on/off, zero-setting, ABS / zero, battery low indication
- Functions: mm / inch / fraction conversion, on / off, zero-setting
- Ground micro-lapped measuring surfaces
- Thumb wheel for fine adjustment
- Range: 0-6" / 0-150mm
- Resolution: 0.0005" / 0.01m



***Part No. MW110-15DLJ***

**Sale $199.43** List Price $221.59

# Moore & Wright Digital Caliper

**Features:**
- Functions: mm/inch conversion, on/off, zero-setting, ABS/INC, Auto off
- 4-way measurement
- All metal parts made of hardened steel



| Part No. | Range | Resolution | Jaws | List Price | Sale Price |
|---|---|---|---|---|---|
| MW110-15DBL | 0-6" | 0.0005" | 40mm | $112.42 | $101.18 |
| MW110-20DBL | 0-8" | 0.0005" | 50mm | $157.85 | $142.07 |
| MW110-30DBL | 0-12" | 0.0005" | 60mm | $255.51 | $229.96 |



Prices & Specifications are subject to change without notice.

# Moore & Wright Digital Depth Caliper With Hook

**Features:**
- Factory standard
- Digital functions: mm / inch conversion, on / off, zero-setting, battery low indication




| Part No. | Range | Resolution | List Price | Sale Price |
|---|---|---|---|---|
| MW170-15DH | 0-6" / 0-150mm | 0.0005" / 0.01mm | $210.75 | ***$189.68*** |
| MW170-20DH | 0-8" / 0-200mm | 0.0005" / 0.01mm | $254.53 | ***$229.08*** |
| MW170-30DH | 0-12" / 0-300mm | 0.0005" / 0.01mm | $309.82 | ***$278.84*** |

# Moore & Wright Digital Tire Tread Gauge

**Features:**
- 2.5mm spindle diameter
- Digital functions: mm/inch conversion, hold readings, on/off, zero-setting
- Vinyl holder supplied as standard
- Supplied on retail packaging
- Range: 0-1" / 0-25mm
- Resolution: 0.0005" / 0.01m



***Part No. MW176-01DTG***

**Sale $36.60** List Price $40.67

# Moore & Wright Digital Mini Depth Gauge

**Features:**
- Supplied on retail packaging
- Plastic 2" / 50mm base
- M2.5 threaded measuring rod
- 1" / 25mm measuring stroke
- Includes 1" / 25mm and 2" / 50mm extension bars
- Battery CR2032
- Metric / Inch / Fraction reading
- Range: 0-4" / 0-100mm
- Resolution: 0.0005" / 0.01mm



***Part No. MW177-01D***

**Sale $43.99** List Price $48.88

## Moore & Wright Digital Bore Gauge Set

**Features:**
- Set of carbide tipped contact points included
- Unique self-centring device
- Supplied with digital indicator, resolution 0.00005" / 0.001mm
- Packed as set with all necessary accessories
- Range: 1.4-6.3" / 35-160mm



***Part No. MW316-12D***

**Sale $1,152.84**

List Price $1,280.93

## Moore & Wright Digital Protractor

**Features:**
- ±0.3° accuracy
- Large LCD display
- Easy-to-use and strong lock device
- Hold function
- Reversible reading
- Range: 360°
- Resolution: 0.05°
- Blade: 12" / 300mm



***Part No. MW505-03***

**Sale $138.20**

List Price $153.56

## Moore & Wright Digital Mini-Mag Level

**Features:**
- Accuracy: ±0.2º
- Resolution: 0.05º
- Dimensions: L60mm x H60mm x W35mm



***Part No. MW570-01***

**Sale $110.57**

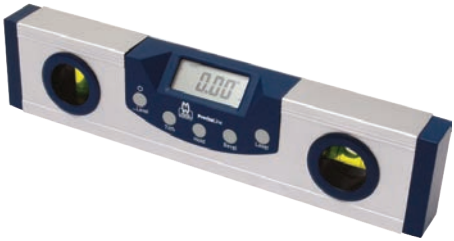
List Price $122.86



Prices & Specifications are subject to change without notice.

# Moore & Wright Digital Laser Spirit Level

**Features:**
- Accuracy: ±0.2°
- Resolution: 0.05°
- Precision inclinometer sensor
- CNC machined super flat edge
- Heavy duty aluminium alloy body, chrome finish
- Laser accurately extends level capabilities
- Strong magnets on underside
- Measuring: 4x90º



| Part No. | Size | Resolution | List Price | Sale Price |
|---|---|---|---|---|
| MW580-01 | 6" / 150mm | 0.05° | $136.70 | $123.03 |
| MW580-02 | 9" / 225mm | 0.05° | $137.43 | $123.69 |
| MW580-03 | 24" / 600mm | 0.05° | $185.69 | $167.12 |

# Moore & Wright Digital Height Pre-Setter

**Features:**
- Inductive measurement system
- 2.5mm travel
- IP65
- 2 button design (On/Off + Set / mm/inch)
- LCD lights up when display shows 0.000
- Auto-on when measuring surface is moved
- CR2032 battery
- Range: <0.12" / <2.5mm
- Resolution: 0.00005" / 0.001mm
- Accuracy: 0.0002"/ 0.005mm
- Repeatability: 0.0001"/ 0.003mm




***Part No. MW620-03DIP***

**Sale $176.54**

List Price $196.15

# Sylvac Scan S76
# Optical Measurement

High-performance machine for dynamic measurement of cylindrical parts up to Ø3"/76mm




**Features:**
- Motorized tailstock: essential for full automation integration
- Adjustable clamping force: adaptable to any type of part
- LED-illuminated interior: for improved setup visibility
- 8" touchscreen interface: fast and user-friendly operation
- Quick-release tooling (ISO): for rapid part changeovers
- Measuring Range: Diameter 3"/76mm, Length 14"/350mm
- Resolution: Diameter & Length 0.000005"/0.0001mm

sylvac SWISS PRECISION

NEW!

SCAN FOR VIDEO

***Call the Sales Team at Eclipse Tools NA Inc. for more information! 1-800-260-2124***

# Sylvac Scan S185L
# Optical Measurement

Vertical optical machine for cylindrical parts up to Ø7"/185mm and 50"/1280mm long




**Features:**
- Designed for the measurement of extra large cylindrical parts
- Intuitive operation; simple touch-button operation
- Seamless Integration - Automation Ready configuration
- Measuring Range: Diameter 7"/185mm, Length 50"/1280mm
- Resolution: 0.000005"/0.0001mm

NEW!

sylvac SWISS PRECISION

***Call the Sales Team at Eclipse Tools NA Inc. for more information! 1-800-260-2124***

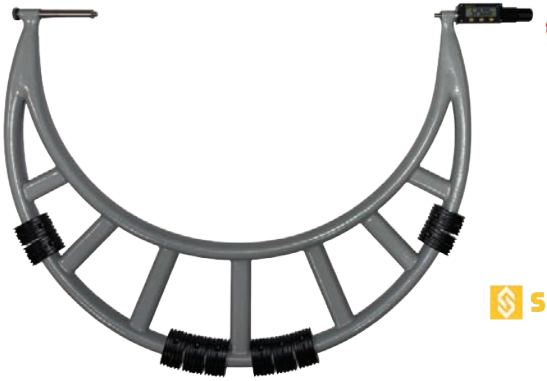




Prices & Specifications are subject to change without notice.

# Sylvac Large Micrometer S_Mike Smart

**Features:**
- Large micrometer with integrated Bluetooth® system
- Measuring ranges from 6-40" / 150-1000mm
- 0.08" / 2mm pitch
- Spindle diameter Ø0.3" / Ø8mm
- Protection class IP65



NEW!

**3 YEAR WARRANTY**

sylvac SWISS PRECISION

IP65

| Part No. | Range | List Price | Sale Price |
|---|---|---|---|
| 803.2015 | 6"-12" /150mm-300mm | $3,164.78 | $3,006.54 |
| 803.2030 | 12"-16" /300mm-400mm | $3,238.94 | $3,076.99 |
| 803.2040 | 16"-20" /400mm-500mm | $3,309.39 | $3,143.92 |
| 803.2050 | 20"-24" /500mm-600mm | $3,424.34 | $3,253.12 |
| 803.2060 | 24"-28" /600mm-700mm | $3,568.95 | $3,390.50 |
| 803.2070 | 28"-32" /700mm-800mm | $3,726.54 | $3,540.21 |
| 803.2080 | 32"-36" /800mm-900mm | $3,898.96 | $3,704.01 |
| 803.2090 | 36"-40" /900mm-1000mm | $4,045.43 | $3,843.16 |

# Rapid-Mic

## Sylvac Quick-Displacement Digital Micrometers

Fastest micrometer on the market!



803.0300.10

sylvac SWISS PRECISION

**Features:**
- IP67 protected against fluid and dust
- Non-rotating spindle with 0.39"/10mm travel per thimble rotation
- Adjustable measuring force, 5N/10N (803.0300.10 and 803.0306.10 only)
- Menu customizable with free software
- **Larger sizes and specialty anvil micrometers also available**

| Part No. | Range | Accuracy | List Price | Sale Price |
|---|---|---|---|---|
| 803.0300.10 | 0 - 1.18"/0 - 30mm | 0.00012"/0.003mm | $908.83 | $863.39 |
| 903.0600.10 | 1.18" - 2.6"/30 - 66mm | 0.00016"/0.004mm | $1,176.59 | $1,117.76 |
| 903.1000.10 | 2.6" - 4.0"/66 - 102mm | 0.00020"/0.005mm | $1,489.38 | $1,414.91 |
| Set | | | | |
| 903.1300.10 | 0 - 4"/0 - 102mm | | $3,522.57 | $3,346.44 |
| Bluetooth Models | | | | |
| 803.0306.10 | 0 - 1.18"/0 - 30mm | 0.00012"/0.003mm | $1,034.63 | $982.90 |
| 903.0606.10 | 1.18" - 2.6"/30 - 66mm | 0.00016"/0.004mm | $1,437.66 | $1,365.78 |
| 903.1006.10 | 2.6" - 4.0"/66 - 102mm | 0.00020"/0.005mm | $1,757.67 | $1,669.79 |
| Bluetooth Set | | | | |
| 903.1306.10 | 0 - 4"/0 - 102mm | | $4,249.21 | $4,036.75 |

Prices & Specifications are subject to change without notice.

# Sylvac Swiss Digital Indicator S_Dial Work Smart

**Features:**
- Easy readings; housing rotatable by 270° and a large display
- Battery-free operation
- Integrated Bluetooth® Smart data transmission
- IP54 protection
- Lug back not included




3 YEAR WARRANTY

sylvac SWISS PRECISION

| Part No. | Range | Resolution | Lug Back Part No. | List Price | Sale Price |
|---|---|---|---|---|---|
| **805.6301.10** | 0.5"/12.5mm | 0.000005"/0.0001mm | 805.0225 | $1,191.03 | ***$1,131.48*** |
| **805.6501.10** | 1.0"/25mm | 0.000005"/0.0001mm | 805.0226 | $1,416.00 | ***$1,345.20*** |
| **805.6621.10** | 2.0"/50mm | 0.00005"/0.001mm | 805.0227 | $2,382.06 | ***$2,262.96*** |
| **805.6661.10** | 4.0"/100mm | 0.00005"/0.001mm | 805.0228 | $3,153.22 | ***$2,995.56*** |

# Sylvac Swiss Digital Indicator S_Dial Pro Smart

**Features:**
- High accuracy
- Bluetooth® technology and proximity and power data outputs
- IP54 protection
- Repeatability: 0.2 µm
- Lug back not included
- Maximum error: 0.001mm
- Available w/o spring to reduce measuring force




3 YEAR WARRANTY

sylvac SWISS PRECISION

| Part No. | Range | Resolution | Lug Back Part No. | List Price | Sale Price |
|---|---|---|---|---|---|
| **805.8501.10** | 1"/25mm | 0.000005"/0.0001mm | 805.0213 | $2,978.78 | ***$2,829.84*** |
| **805.8601.10** | 2"/50mm | 0.000005"/0.0001mm | 805.0215 | $3,675.35 | ***$3,491.58*** |



Prices & Specifications are subject to change without notice.

# Sylvac Swiss Digital Indicator S_Dial Work Analog Nano Smart

**Features:**
- Large adaptive analog display
- Battery-free operation
- Integrated Bluetooth® technology
- IP54 protection
- Repeatability: 0.3µm
- Lug back not included



**3 YEAR WARRANTY** ☑

sylvac SWISS PRECISION

| Part No. | Range | Resolution | Lug Back Part No. | List Price | Sale Price |
|---|---|---|---|---|---|
| 805.6307.10 | 0.5"/12.5mm | 0.000005"/0.0001mm | 805.0217 | $1,837.07 | $1,745.22 |
| 805.6507.10 | 1.0"/25mm | 0.000005"/0.0001mm | 805.0218 | $1,960.99 | $1,862.94 |

# Sylvac Micrometer Head S-Head Smart

**Features:**
- Advanced Connectivity: Benefit from seamless data output via Bluetooth®, ensuring efficient data transfer
- Reliable and Durable: Built to withstand demanding environments, our micrometric head provide IP65 protection
- Measuring Range: 1.18"/30mm
- Resolution: 0.000005" /0.0001mm



sylvac SWISS PRECISION

*Part No. 803.6500.10*

**Sale $1,303.36** List Price $1,371.96

# Sylvac Bluetooth Instruments Discovery Kit

**Features:**
Includes 4 essential Bluetooth® instruments:
- Caliper (810.1506)
- Micrometer (803.0306)
- Test indicator (805.6301)
- Digital indicator (805.4323)



sylvac SWISS PRECISION

*Part No. 800.1201*

**Sale $3,191.48** List Price $3,359.45

Prices & Specifications are subject to change without notice.





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# Sylvac Swiss Digital Indicator S_Dial Work Basic

**Features:**
- Simple and robust design
- Automatic wake-up and sleeping mode
- Provides «Proximity» and «Power» data outputs
- Two display resolutions, 0.0005"/0.01mm and 0.00005" /0.001mm
- Accuracy: 2µm
- IP51 protection
- Lug back not included



3 YEAR WARRANTY

sylvac SWISS PRECISION

| Part No. | Range | Resolution | Lug Back Part No. | List Price | Sale Price |
|---|---|---|---|---|---|
| **805.1201.10** | 0.5"/12.5mm | 0.0005"/0.01mm | 805.0219 | $686.94 | ***$652.59*** |
| **805.1301.10** | 0.5"/12.5mm | 0.00005"/0.001mm | 805.0220 | $797.63 | ***$757.75*** |
| **805.1401.10** | 1.0"/25mm | 0.0005"/0.01mm | 805.0221 | $749.51 | ***$712.03*** |
| **805.1501.10** | 1.0"/25mm | 0.00005"/0.001mm | 805.0222 | $868.61 | ***$825.18*** |
| **805.1601.10** | 2.0"/50mm | 0.0005"/0.01mm | 805.0223 | $1,304.12 | ***$1,238.91*** |
| **805.1621.10** | 2.0"/50mm | 0.00005"/0.001mm | 805.0224 | $1,402.77 | ***$1,332.63*** |

# Sylvac Swiss Digital Calipers

3 styles to suit your needs.

**Features:**
- IP67 protected against fluid and dust
- Available with Bluetooth, proximity cable or no SPC output
- Heavy duty frame
- Extra large display
- Available with ISO Cert
- 12"/300mm is supplied without depth rod



*810.1506.10*

IP67

3 YEAR WARRANTY

sylvac SWISS PRECISION

***Calibration certificates available for all sizes.***

| Part No. | Range | Accuracy | Resolution | List Price | Sale Price |
|---|---|---|---|---|---|
| Bluetooth Communication | | | | | |
| **810.1506.10** | 6"/150mm | 0.0008"/20µm | 0.0005"/0.01mm | $507.70 | ***$482.32*** |
| **810.1526.10** | 8"/200mm | 0.0012"/30µm | 0.0005"/0.01mm | $763.94 | ***$725.74*** |
| **810.1536.10** | 12"/300mm | 0.0012"/30µm | 0.0005"/0.01mm | $944.40 | ***$897.18*** |
| Connectivity Cables/Accessories | | | | | |
| **981.7132** | Sylcom Basic Data Processing Software | | | $1,368.86 | ***$1,300.42*** |
| **926.6721.10** | Proximity cable with USB Connection | | | $257.15 | ***$244.29*** |
| **926.6723** | Proximity cable with Serial Connection | | | $269.08 | ***$255.63*** |
| **981.7100** | USB Bluetooth Receiver | | | $173.24 | ***$164.58*** |





Prices & Specifications are subject to change without notice.

# Sylvac Ultralight IV Digital Calipers

The Sylvac Ultralight IV, new design, new features, built-in Bluetooth transmitter.




**Features:**

- IP67 protected against fluid and dust
- Built-in Bluetooth
- Reinforced frame
- XXL display with 0.79"/20mm high digits
- Lengthened jaws 7.9"/200mm
- Includes upper ID measuring pins (5mm dia.)
- Moveable left jaw
- Stainless steel titanium coated jaws
- Hold feature
- Preset function
- Min/Max functions
- Tolerance mode
- Internal and external measurement indicator

SWISS PRECISION sylvac

***Alternative jaws available, contact the Eclipse Sales Team for more information 1-800-260-2124***

| Specifications | 811.1404.10 | 811.1406.10 | 811.1410.10 | 811.1415.10 | 811.1420.10 | 811.1425.10 |
|---|---|---|---|---|---|---|
| Measuring Range | 0-15"/0-400mm | 0-24"/0-600mm | 0-40"/0-1000mm | 0-60"/0-1500mm | 0-80"/0-2000mm | 0-100"/0-2500mm |
| Maximum Error | 0.0012"/30µm | 0.0016"/40µm | 0.002"/50µm | 0.0035"/90µm | 0.0048"/120µm | 0.0078"/200µm |
| Repeatability | 0.0008" /20µm | | | | 0.0012"/30µm | |
| Measuring Force | 5 - 10 N | | | | | |
| Connection | Bluetooth Smart/Proxi. - RS-232 or - USB | | | | | |
| Protection Rating | IP67 (Electronic Module) | | | | | |
| Preset Max. | ±399.9995 IN / ±9999.99 mm | | | | | |
| Weight | 3.3 lbs/1.5 kg | 3.5 lbs/1.6 kg | 4.1 lbs/1.9 kg | 5 lbs/2.3 kg | 5.7 lbs/2.6 kg | 6.3 lbs/2.9 kg |

| Part No. | Range | List Price | Sale Price |
|---|---|---|---|
| **811.1404.10** | 0 - 16"/0 - 400mm | $2,896.97 | ***$2,752.12*** |
| **811.1406.10** | 0 - 24"/0 - 600mm | $3,237.43 | ***$3,075.56*** |
| **811.1410.10** | 0 - 40"/0 - 1000mm | $3,870.25 | ***$3,676.74*** |
| **811.1415.10** | 0 - 60"/0 - 1500mm | $5,543.71 | ***$5,266.52*** |
| **811.1420.10** | 0 - 80"/0 - 2000mm - special order | $7,593.72 | ***$7,214.03*** |
| **811.1425.10** | 0 - 100"/0 - 2500mm - special order | $9,608.84 | ***$9,128.40*** |
| **811.1430.10** | 0 - 118"/0 - 3000mm - special order | $10, 720.47 | ***$10,184.45*** |
| Connectivity Cables/Accessory | | | |
| **981.7132** | Sylcom Basic Data Processing Software | $1,368.86 | ***$1,300.42*** |
| **926.6721.10** | Proximity USB Cable | $257.15 | ***$244.29*** |
| **926.6723** | Proximity Serial Cable | $269.08 | ***$255.63*** |
| **981.7100** | USB Bluetooth Receiver | $173.24 | ***$164.58*** |

# Sylvac Hi_Cal V2
# Digital Motorized Height Gauges

For your finer, more delicate parts.

**3 YEAR WARRANTY** ☑

sylvac SWISS PRECISION




830.0156 830.0306 830.0456

**Features:**

- ***Bluetooth for quick, easy recorded measurements***
- Extra low measuring force, from 0.2N
- Measure internal and external diameters, centerlines, heights, widths, depths and MIN/MAX/TIR capability
- Excellent repeatability thanks to the motorized carriage
- High reliability
- Bluetooth, USB and RS232 data outputs
- Battery life: 40 hours rechargeable during operation
- Touch sensitive probe speed for easy operation
- Base with small footprint
- Includes: protective cover, charging set, ruby ball probe Ø3mm, setting gauge and calibration certificate

## Full Probe Set



930.2150

| Part No. | Range | Accuracy | List Price | Sale Price |
|---|---|---|---|---|
| **830.0156** | 6"/150mm | 0.00013"/0.0034mm | $6,949.72 | ***$6,602.23*** |
| **830.0306** | 12"/300mm | 0.00016"/0.0042mm | $7,358.53 | ***$6,990.60*** |
| **830.0456** | 17.5"/450mm | 0.00020"/0.005mm | $8,584.95 | ***$8,155.70*** |
| Accessories | | | | |
| **930.2150** | Full Probe Set | | $1,868.36 | ***$1,774.94*** |



Prices & Specifications are subject to change without notice.

# Sylvac Hi_Gage One Smart

The perfect shop height gauge.

**Features:**
- Bluetooth connectivity to your phone or tablet
- Resolution: 0.0005"/0.01mm
- Repeatability: 0.0004"/10µm
- Includes scriber/measuring probe
- Accepts 8mm probes
- Preset function
- Fine adjust for easy setting
- ***Scale not affected by oil, dust, chips, magnetism, shock, etc.***




| Part No. | Range | Accuracy | List Price | Sale Price |
|---|---|---|---|---|
| **840.0406.10** | 16"/400mm | ± 0.0016" | $2,203.35 | ***$2,093.18*** |
| **840.0606.10** | 24"/600mm | ± 0.002" | $2,445.14 | ***$2,322.88*** |
| Accessories | | | | |
| **926.6721.10** | Proximity cable with USB connection | | $257.15 | ***$244.29*** |
| **926.6723** | Proximity cable with serial connection | | $269.08 | ***$255.63*** |
| **905.2247** | Clamping stem | | $34.89 | ***$33.15*** |
| **840.9001** | Ball probe Ø0.3"/8mm | | $125.12 | ***$118.86*** |

# Trimos Height Gauge V4+

New standard in height gauge performance




**Features:**
- Robust mechanical design; supports long and heavy probes up to 16"/400mm with exceptional repeatability
- Real time display of measurement progress and results
- Smart touch navigation
- Integrated 2-coordinate measurement
- USB, RS232, and Wireless options for easy data export, integration, and analysis across systems

| Part No. | Range | Resolution | List Price | Sale Price |
|---|---|---|---|---|
| **V4+-400** | 16"/400mm | 0.00005"/0.001mm | $12,922.01 | ***$12,204.12*** |



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# Trimos V Series
# Digital Height Gauges

The Trimos V series vertical measuring instruments have been developed for the most difficult shop floor environments. Manufactured in Switzerland, they guarantee precise and repeatable measurements with superior ease of use.

**Features:**
- Electronically adjustable measuring force 0.75/1.5 (N)
- Lithium-ion rechargeable batteries last up to 40 hours
- Bluetooth transmitter available

**All models Include:**
- Charging unit
- Measuring probe with ruby ball Ø4mm
- Probe holder elbow Ø 8mm
- Setting guage
- User's manual and test certificate

TRIMOS
SWISS MADE




*V3-400*




*V5-700*




*V9-700*




*V4-400*




*V7-700*

***Measures ID/OD, centerlines, heights, widths, depths, min/max/delta, slots, grooves and more!***



Prices & Specifications are subject to change without notice.

# V-Series Electronic Height Gauges Comparison Chart

| | V9 | V8 | V7 | V6 | V5 | V4 | V3 |
|---|---|---|---|---|---|---|---|
| **Accuracy** | | | | | | | |
| 1.2 + L(mm)/1000 µm | ✓ | ✓ | | | | | |
| 2 + L(mm)/400 µm | | | ✓ | ✓ | | | |
| 2.5 + L(mm)/300 µm | | | | | ✓ | | |
| 4.5 - 6 µm | | | | | | ✓ | |
| 7 - 8 µm | | | | | | | ✓ |
| **Range** | | | | | | | |
| 400/700mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1100mm | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| **Smart Reverse for Ø** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Air Cushion** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| **Wireless Option** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| **Manual/Motorized** | ✓ | | ✓ | ✓ | ✓ | | |
| **Manual ONLY** | | ✓ | | | | ✓ | ✓ |
| **Fine Adjustment** | | ✓ | | | | | |
| **Color Display** | ✓ | | ✓ | | | | |
| **2D Measuring** | ✓ | | ✓ | | | | |

| Part No. | Range | List Price | Sale Price |
|---|---|---|---|
| V3 | | | |
| **V3-400** | 16"/407mm | $6,915.18 | ***$6,569.42*** |
| **V3-700** | 28"/711mm | $7,663.49 | ***$7,280.32*** |
| V4 | | | |
| **V4-400** | 16"/407mm | $8,563.39 | ***$8,135.22*** |
| **V4-700** | 28"/711mm | $9,871.10 | ***$9,377.55*** |
| V5 | | | |
| **V5-400** | 16"/407mm | $9,871.10 | ***$9,377.55*** |
| **V5-700** | 28"/711mm | | ***Call for pricing*** |
| **V5-1100** | 43.7"/1110mm | | ***Call for pricing*** |
| V6 | | | |
| **V6-400** | 16"/407mm | | ***Call for pricing*** |
| **V6-700** | 28"/711mm | | ***Call for pricing*** |
| **V6-1100** | 43.7"/1110mm | | ***Call for pricing*** |
| V7 | | | |
| **V7-400** | 16"/407mm | | ***Call for pricing*** |
| **V7-700** | 28"/711mm | | ***Call for pricing*** |
| **V7-1100** | 44"/1100mm | | ***Call for pricing*** |
| V8 - Fine Adjustment | | | |
| **V8-400** | 16"/407mm | | ***Call for pricing*** |
| **V8-700** | 28"/710mm | | ***Call for pricing*** |
| **V8-1100** | 43"/1109mm | | ***Call for pricing*** |
| V9 | | | |
| **V9-400** | 16"/407mm | | ***Call for pricing*** |
| **V9-700** | 28"/710mm | | ***Call for pricing*** |
| **V9-1100** | 43"/1109mm | | ***Call for pricing*** |
| Probe Sets | | | |
| **TA-SE-105** | 4mm Probe Set, 21 piece | $3,108.20 | ***$2,952.79*** |
| **TA-SE-106** | 8mm Probe Set, 16 piece | $2,316.52 | ***$2,200.69*** |
| **TA-SE-107** | 8mm Basic Probe Set, 7 piece | $896.97 | ***$852.12*** |
| Accessories | | | |
| **TA-IH-127** | 12"/300mm Holder - for 8mm probes | $1,782.09 | ***$1,692.99*** |
| **TA-EL-022** | Bluetooth transmitter (Not available for V3 models) | $1,058.12 | ***$1,005.21*** |
| **981.7161.10** | Vmux software - for connecting multiple units to one PC | $685.79 | ***$651.50*** |

# Trimos Motorized Setting Bench HS3-400

**Features:**

- Motorized movement: quick positioning
- Instant start-up: operational in a few seconds
- Communication via RS232 or Bluetooth: easy integration into your digital environment
- Rugged electronics: designed to last in industrial environments
- Cast iron base with the same thermal properties as steel: no temperature problems
- Calibration of internal and external instruments
- Works like a “virtual ring gauge”: all diameters in one device
- In-house calibration capability: total on-site autonomy




TRIMOS

SWISS MADE

SCAN FOR VIDEO

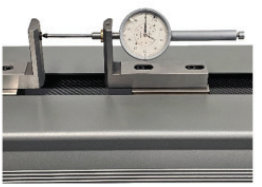



***Call the Sales Team at Eclipse Tools NA Inc. for more information! 1-800-260-2124***

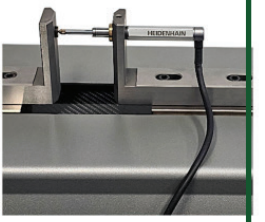
## Applications



Setting 2-point bore gauges



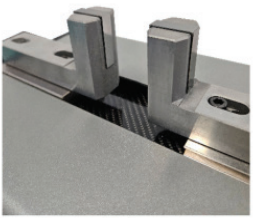
Checking of analogue and digital dial gauges



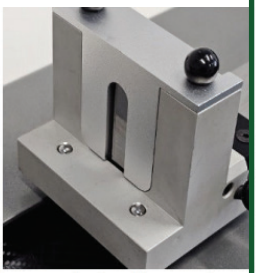
Checking of electronic probes




Checking of micrometers



Interchangeable hard metal inserts



Accessories for all types of measurement

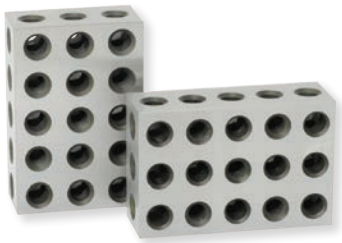


Prices & Specifications are subject to change without notice.

# 1-2-3 & 2-4-6 Blocks

Useful in layout and grinding work.

**Features:**
- 23 holes for easy clamping
- Sold in pairs
- Hardened 56 - 60 HRC
- 1-2-3 blocks have 5 threaded holes, 3/8" - 16
- 2-4-6 blocks have 5 threaded holes, 5/8" - 11



*52-439-246-0*

| Part No. | Description | Accuracy | List Price | Sale Price |
|---|---|---|---|---|
| **52-439-031-0** | 1-2-3 Blocks | ± 0.0002"/1" | $104.04 | ***$98.84*** |
| **52-439-032-0** | 1-2-3 Blocks | ± 0.0002"/1" | $195.94 | ***$186.14*** |
| **52-439-246-0** | 2-4-6 Blocks | ± 0.0003"/1" | $398.82 | ***$378.88*** |

# Chrome Steel Inch Gauge Ball Set, 52 Pcs

**Features:**
- Ball gages are ground and lapped chrome steel
- Hardened to 63RC
- Within .0001" of actual size
- Sphericity within .000025"
- Surface finish to 1.5 micro inches
- Set includes 26 pairs
- Pair sizes in inches: 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 17/32, 9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 13/16, 7/8, 15/16 and 1"




***Part No. 52-438-777***

**Sale $197.68**

List Price $208.08

# Dial Cylinder Bore Gauges

2-point bore measuring.

**Features:**
- Carbide Anvils
- Easy-to-read
- Great value
- Insulated grip
- 9.5" depth above 1.5"
- Chrome plated handle




*52-646-400-0*

| Part No. | Description | Accuracy | List Price | Sale Price |
|---|---|---|---|---|
| **52-646-300-0** | 2" - 6" | 0.0005" | $289.58 | ***$275.10*** |
| **52-646-400-0** | 1.4" - 6" | 0.0005" | $395.35 | ***$375.58*** |





Prices & Specifications are subject to change without notice.

# The Baty Venture FV Series

*Instant measurements at the push of a button*

*Highly accurate and user friendly*

*Ultra fast dimensional measurement*

*Automatic part recognition*

SCAN TO LEARN MORE

## FV-3020 - Our Largest Benchtop Machine



*Part No. FV-3020*

**Features:**
- 300 x 200 dual field machine
- High quality optics
- Simultaneously measure multiple parts & measurements
- Large field-of-view
- Programmable LED ring illumination
- Automatic programming from CAD
- Stable and robust construction
- Optional coax lighting
- User friendly software
- Automatic inspection reports

## FV-5040 Floor Standing, Large Format Machine

**Features:**
- 500 x 400 x 250 measuring range with single field optics
- Substantial granite construction
- Optional confocal probe
- Optional rotary axis
- Intuitive software
- Automatic inspection reports



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baty Venture FV

*Part No. FV-5040*



Prices & Specifications are subject to change without notice.

# FH-1080 Horizontal Light Path Machine

**Features:**
- Suited to small 3 dimensional, or cylindrical parts
- Same intuitive Fusion FV software
- Fixed or rotating workstage
- Place partys directly onto the stage surface or into suitable work-holding





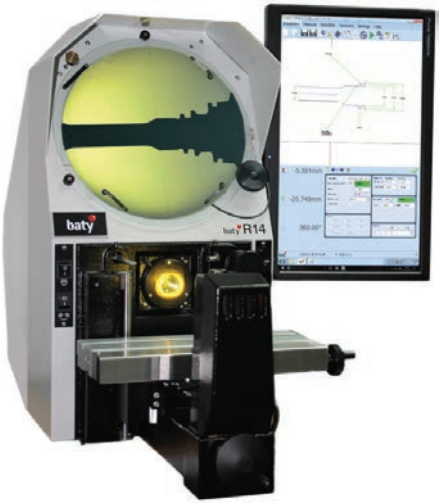
baty

*Part No. FH-1080*

***Call the Sales Team at Eclipse Tools NA Inc. for more information! 1-800-260-2124***

# Baty R14 Profile Projector

**Features:**
- 340mm (14") screen with 90º crosslines and chart clipsProfile illumination with halogen lamp and green filter
- Surface illumination (fibre optic)
- Workstage with machined slot for holding accessories
- Digital angle measurement to 1 minute
- 0.5 micron resolution




baty

*Part No. R14FT2-E*

***Call the Sales Team at Eclipse Tools NA Inc. for more information! 1-800-260-2124***

# Baty Profile Projector Retrofit

*Improve your optical comparator functionality and accuracy!*




With our retrofit program you can dramatically enhance the functionality of your current optical comparator.
Advanced error mapping - increase accuracy of your comparator. Comprehensive reporting including dimensioned drawing, SPC and EXCEL™ compatible first article inspection reports.

**Compatible comparator types:**
- Baty
- Starrett
- Mitutoyo
- Tesa

**Upgrades include:**
- 22" touch screen
- Intel NUC mini PC - Windows 10 OS
- Fusion FT2-E metrology software
- Optical edge sensor - remove operator influence
- Fast data point acquisition
- Entire system is plug and play
- Best fitting of profile data to imported DXF files - No Overlays!

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*Starting from:*
**$ 4,931.00**

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442 Millen Road Unit 9, Stoney Creek, ON L8E 6H2
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