



ECLIPSE

TOOLS NORTH AMERICA INC

TOOL-A-THON



Tool & Cutter
Specialists in Cutting Tools Since 1969



phone - 800-265-6056

email - support@toolandcutter.com



WWW.TOOLANDCUTTER.COM

Volume 24.1

VALID JANUARY 1ST - JUNE 30TH, 2024



NEW Fulcrum Revolutionary Manual CMM**Features**

- Small footprint allowing measurements right next to your machine
- Intuitive software, allows quick and easy measurement
- Minimal setup
- Programmable magnetic soft buttons allow you to quickly change between software features without using a mouse
- Magnetic fixture templates allow you to quickly fix your part
- Volumetric accuracy of 0.0002"/0.005mm
- Uses a single USB cable to connect and requires no air

Fulcrum**Baty Venture 3030 XT Multi-Sensor Vision System****Features:**

- 11.8"/300mm x 11.8"/300mm x 7.8"/200mm XYZ stage
- Teach and repeat programming with Fowler FUSION
- 6.5:1 zoom optics (with optional CNC control)
- High resolution 0.5µm scales for increased accuracy

*Part No. VI-3030-Touch-XT*

zCAT Portable CMM

Features:

- Compact for use at the machine center
- Easy to use FUSION Software
- Completely portable, only 30 lbs.
- High accuracy
- Ethernet communication (Bluetooth optional)



Part No. 54-950-001-0

Horizontal Setting and Calibration

Setting of measuring equipment with variable dimensions.

Trimos THV Horizontal



Part No. THV.0-50

Features:

- For the calibration of rings, plugs and multiple gauges up to 4"
- Small, portable, versatile and accurate
- Ultra precise
- Meets ISO 9000 requirements

Trimos HS6

Features:

- For setting equipment with variable dimensions quickly and accurately
- Available in sizes up to 120"
- Large selection of accessories to handle any job



Part No. HS6-500

Prices & Specifications are subject to change without notice.

Discovery Kit*Discover the benefits of the wireless connectivity!***FREE**

with the purchase of ANY
NEW Sylvac SCAN
(excluding trade-ins)

Includes:

- 1 caliper, 1 digital indicator, 1 micrometer and 1 test indicator. ALL with Bluetooth® Technology
- Sylcom PRO Software (Smart dongle included)
- Accessory for battery change

over \$5,000 value

Part No. 54-167-050-0**Sylvac SCAN S25T***Fast, Accurate, Reliable & Repeatable!***Features:**

- Ideal for small cylindrical parts
- Measuring range: 1.02"/26mm Diameter, 7.87"/200mm Length
- High resolution and high accuracy
- One-click rapid measuring
- 30° tilting optics for complete thread measurements

Part No. 54-902-025-5**Sylvac SCAN F60T***For Larger Parts!***Features:**

- Complete 2D part scan in less than 3 seconds
- Measuring range: 2.3"/60mm diameter, 12"/300mm length
- Reduce inspection time & scrap, Increase productivity
- High resolution and high accuracy
- One-click rapid measuring
- 30° tilting optics for complete thread measurements

Part No. 54-902-406-5**Sylvac SCAN S145L***Our Largest Machine!***Features:**

- Full part measurement in just a few seconds
- Measuring range: 5.7"/145mm diameter, 50.3"/1280mm length
- Reduce inspection time & scrap, Increase productivity
- High resolution and high accuracy
- One-click rapid measuring

Part No. 54-902-145-5



Baty R400FT2-E Optical Comparator

Features:

- 16"/400mm screen
- Optical Edge Sensor combined with Fowler FUSION software makes for the most functional, user-friendly comparator on the market
- Additional accessories available

Part No. R400FT2-E



Trimos A-Line Portable Measuring Arms

Features:

- Portable, take measurements right in the machine center
- Used for inspection in aerospace, automotive, and construction
- Easy to use FUSION software
- Up to 7-axis configuration
- Many probe and laser scanning head options available
- Sizes up to 30 feet



Part No. A6-1800

Prices & Specifications are subject to change without notice.

Trimos V Series Electronic Height Gauges

The Fowler 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
- **V7:** Repeatability (2s): 0.00002"/0.0005mm (Ø 0.00004"/0.001mm)

All models Include:

- Charging unit
- Measuring probe with ruby ball Ø4mm
- Probe holder elbow Ø 8mm
- Setting gauge
- User's manual and test certificate



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

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	<i>Sale Price</i>
V3			
V3-400	16"/407mm	\$6,098.05	\$5,793.15
V3-700	28"/711mm	\$6,757.93	\$6,420.03
V4			
V4-400	16"/407mm	\$7,551.49	\$7,173.92
V4-700	28"/711mm	\$8,704.68	\$8,269.45
V5			
V5-400	16"/407mm	\$8,704.68	\$8,269.45
V5-700	28"/711mm	\$10,242.99	\$9,730.84
V5-1100	43.7"/1110mm	\$15,107.22	\$14,351.86
V6			
V6-400	16"/407mm	\$10,752.22	\$10,214.61
V6-700	28"/711mm	\$11,521.37	\$10,945.30
V6-1100	43.7"/1110mm	\$16,645.52	\$15,813.24
V7			
V7-400	16"/407mm	\$13,828.83	\$13,137.39
V7-700	28"/711mm	\$14,635.12	\$13,903.36
V7-1100	44"/1100mm	\$22,103.85	\$20,998.66
V8 - Fine Adjustment			
V8-400	16"/407mm	\$19,061.54	\$18,108.46
V8-700	28"/710mm	\$20,485.72	\$19,461.43
V8-1100	43"/1109mm	\$30,461.98	\$28,938.88
V9			
V9-400	16"/407mm	\$15,367.14	\$14,598.78
V9-700	28"/710mm	\$16,263.60	\$15,450.42
V9-1100	43"/1109mm	\$33,492.75	\$31,818.11
Probe Sets			
TA-SE-105	4mm Probe Set, 21 piece	\$2,740.92	\$2,603.87
TA-SE-106	8mm Probe Set, 16 piece	\$2,042.79	\$1,940.65
TA-SE-107	8mm Basic Probe Set, 7 piece	\$790.98	\$751.43
Accessories			
TA-IH-127	12"/300mm Holder - for 8mm probes	\$1,571.51	\$1,492.93
TA-EL-022	Bluetooth transmitter (Not available for V3 models)	\$933.08	\$886.43
981.7161.10	Vmux software - for connecting multiple units to one PC	\$588.08	\$558.67

Prices & Specifications are subject to change without notice.

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Height Gauges

TOOLS NORTH AMERICA INC

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Sylvac Hi_Cal V2 Electronic Height Gauges

For your finer, more delicate parts.



3 YEAR
WARRANTY



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

Basic Probe Set



930.2151

Part No.	Range	Accuracy	List Price	Sale Price
830.0156	6"/150mm	0.00013"/0.0034mm	\$6,128.50	\$5,822.08
830.0306	12"/300mm	0.00016"/0.0042mm	\$6,489.00	\$6,164.55
830.0456	17.5"/450mm	0.00020"/0.005mm	\$7,570.50	\$7,191.98
Accessories				
930.2150	Full Probe Set		\$1,647.58	\$1,565.20
930.2151	Basic Probe Set		\$1,099.81	\$1,044.82



Z-HEIGHT

Electronic Height Gauges

With handwheel and fine adjust.

Features:

- Base design has a more comfortable grip and is finely ground and lapped for smooth movement on surface plates
- Fine adjust feature allows precise adjustment to required settings
- Preset feature allows setting pre-determined or reference measurements
- Indicator holding bar included
- Resolution 0.0005"/0.01mm
- Large, high contrast LCD display
- Coarse adjustment hand wheel
- Carriage locking lever
- Carbide tipped scriber

54-175-024-0



Calibration certificates available for all sizes.

Part No.	Range	Accuracy	List Price	Sale Price
54-175-024-0	24"/600mm	± 0.002"/0.05mm	\$1,834.70	\$1,239.76



Twin Beam Electronic Height Gauges

Features:

- Range: 12"/300mm
- Accuracy: ± 0.0016"/0.04mm
- Updated electronic and mechanical design with offset scriber offers better accuracy and movement of carriage
- Base is ground and lapped for maximum flatness
- Handwheel provides course and fine movement
- Carbide tipped scriber
- Functions include preset, in/mm conversion and ABS/INC for direct or comparative measuring

Part No. 54-174-212-3

Sale \$1,136.¹⁸

List Price \$1,195.98

Prices & Specifications are subject to change without notice.

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Height Gauges

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TOOLS NORTH AMERICA INC

Bowers **BLUETOOTH**



XTH3 Bluetooth Holecmatic Pistol Grips

Features:

- Coolant proof, dust proof - IP67
- Resolution: 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet
- 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 certificates for all pistol grip, heads and rings



SXTH6i-BT



For special application heads, contact the Eclipse Sales Team 1-800-260-2124

Part No.	Range	Includes	List Price	Sale Price
Pistol Grip Individual Sets				
XTH20i-BT	0.750" - 1"/20 - 25mm	1 head, 1 handle, 1 ring	\$2,883.53	\$2,595.18
XTH25i-BT	1" - 1.375"/25 - 35mm	1 head, 1 handle, 1 ring	\$3,116.92	\$2,805.23
XTH35i-BT	1.375" - 2"/35 - 50mm	1 head, 1 handle, 1 ring	\$3,304.70	\$2,974.23
Pistol Grip Complete Sets				
SXTH1i-BT	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	\$7,655.45	\$6,889.91
SXTH3i-BT	0.250" - 0.375"/6 - 10mm	2 heads, 1 handle, 1 ring	\$2,918.54	\$2,626.69
SXTH4i-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	\$3,444.74	\$3,100.24
SXTH5i-BT	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	\$4,438.81	\$3,994.93
SXTH6i-BT	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	\$4,965.01	\$4,468.51
SXTH7i-BT	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	\$4,438.81	\$3,994.93
SXTH8i-BT	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	\$5,959.08	\$5,363.17
SXTH9i-BT	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	\$9,526.88	\$8,574.19
SXTH11i-BT	0.750" - 4"/20 - 100mm	6 heads, 1 handle, 4 rings	\$7,421.00	\$6,678.90
SXTH10i-BT	0.250" - 0.750"/6 - 20mm	5 heads, 1 handle, 3 rings	\$4,087.65	\$3,678.89
Connectivity Cables/Accessory				
926.6721.10	Proximity cable with USB connection		\$237.29	\$225.43
926.6723	Proximity cable with serial connection		\$237.29	\$225.43
981.7100	USB bluetooth receiver		\$152.77	\$145.13

Bore Gauging Systems



XTD3 Bluetooth Electronic Holey Mikes



- Coolant proof, dust proof - IP67
- Resolution: 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet
- 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 certificates for all pistol grip, heads and rings



					Sale Price
Holey Mike Individual Sets (Traditional style)					
2-Point Heads					
1i	0.080" - 0.100"/2 - 2.5mm	1 head, 1 handle, 1 ring	\$2,976.89		\$2,679.20
2i	0.100" - 0.120"/2.5 - 3mm	1 head, 1 handle, 1 ring	\$2,976.89		\$2,679.20
i	0.120" - 0.160"/3 - 4mm	1 head, 1 handle, 1 ring	\$2,975.82		\$2,678.24
4i	0.160" - 0.200"/4 - 5mm	1 head, 1 handle, 1 ring	\$2,975.82		\$2,678.24
i	0.200" - 0.250"/5 - 6mm	1 head, 1 handle, 1 ring	\$2,975.82		\$2,678.24
3-Point Heads					
i	0.250" - 0.312"/6 - 8mm	1 head, 1 handle, 1 ring	\$2,099.52		\$1,889.57
i	0.312" - 0.375"/8 - 10mm	1 head, 1 handle, 1 ring	\$2,099.52		\$1,889.57
1 i	0.375" - 0.500"/10 - 12.5mm	1 head, 1 handle, 1 ring	\$2,099.52		\$1,889.57
12i	0.500" - 0.625"/12.5 - 16mm	1 head, 1 handle, 1 ring	\$2,157.87		\$1,942.08
1 i	0.625" - 0.750"/16 - 20mm	1 head, 1 handle, 1 ring	\$2,157.87		\$1,942.08
2 i	0.750" - 1"/20 - 25mm	1 head, 1 handle, 1 ring	\$2,567.38		\$2,310.64
2 i	1" - 1.375"/25 - 35mm	1 head, 1 handle, 1 ring	\$2,918.54		\$2,626.69
i	1.375" - 2"/35 - 50mm	1 head, 1 handle, 1 ring	\$3,035.23		\$2,731.71
i	2" - 2.625"/50 - 65mm	1 head, 1 handle, 1 ring	\$3,328.04		\$2,995.24
i	2.625" - 3.250"/65 - 80mm	1 head, 1 handle, 1 ring	\$3,328.04		\$2,995.24
i	3.250" - 4"/80 - 100mm	1 head, 1 handle, 1 ring	\$3,503.09		\$3,152.78
1 i	4" - 5"/100 - 125mm	1 head, 1 handle, 1 ring	\$3,678.14		\$3,310.33
12 i	5" - 6"/125 - 150mm	1 head, 1 handle, 1 ring	\$3,795.90		\$3,416.31
1 i	6" - 7"/150 - 175mm	1 head, 1 handle, 1 ring	\$4,146.00		\$3,731.40
1 i	7" - 8"/175 - 200mm	1 head, 1 handle, 1 ring	\$4,380.46		\$3,942.41
2 i	8" - 9"/200 - 225mm	1 head, 1 handle, 1 ring	\$5,316.17		\$4,784.55
22 i	9" - 10"/225 - 250mm	1 head, 1 handle, 1 ring	\$5,842.38		\$5,258.14
2 i	10" - 11"/250 - 275mm	1 head, 1 handle, 1 ring	\$6,017.42		\$5,415.68
2 i	11" - 12"/275 - 300mm	1 head, 1 handle, 1 ring	\$6,543.63		\$5,889.27
Holey Mike Complete Sets (Traditional style)					
1i-	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	\$7,011.49		\$6,310.34
i-	0.250" - 0.375"/6 - 10mm	2 heads, 1 handle, 1 ring	\$2,800.78		\$2,520.70
4i-	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	\$3,386.39		\$3,047.75
i-	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	\$4,672.20		\$4,204.98
i-	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	\$5,140.06		\$4,626.05
i-	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	\$4,322.11		\$3,889.90
i-	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	\$5,784.03		\$5,205.63
i-	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	\$9,234.07		\$8,310.66
Connectivity Cables/Accessory					
2 . 21.1	Proximity cable with USB connection		\$237.29		\$225.43
2 . 2	Proximity cable with serial connection		\$237.29		\$225.43

Prices & Specifications are subject to change without notice.

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Internal & External Measuring

TOOLS NORTH AMERICA INC

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Bowers XT-Series Holemikes

Vernier Bore Micrometers



Features:

- 3-pt contact with tungsten carbide measuring anvils above 0.5"
- Blind bore measuring heads featured above 0.5"
- Ratchet stop for consistent measuring
- Extensions available for deep measuring
- Includes UKAS certificates for all Holemikes and setting rings

Part No.	Range	Grads.	Meas. Accuracy	Ring Depth	Ring Included	List Price	Sale Price
MXTA6I	0.250" - 0.312"	0.00025"	0.00015"	2.28"	0.312"	\$660.94	\$594.85
MXTA8I	0.312" - 0.375"	0.00025"	0.00015"	2.28"	0.312"	\$614.26	\$552.83
MXTA10I	0.375" - 0.500"	0.00025"	0.00015"	2.28"	0.5"	\$614.26	\$552.83
MXTA12I	0.500" - 0.625"	0.00025"	0.00015"	2.44"	0.5"	\$614.26	\$552.83
MXTA16I	0.625" - 0.750"	0.00025"	0.00015"	2.44"	0.75"	\$619.57	\$557.61
XTA20I	0.750" - 1"	0.00025"	0.00015"	2.60"	0.75"	\$684.28	\$615.85
XTA25I	1" - 1.375"	0.00025"	0.00015"	2.60"	1.375"	\$977.09	\$879.38
XTA35I	1.375" - 2"	0.00025"	0.00015"	3.15"	1.375"	\$994.06	\$894.65
XTA50I	2" - 2.625"	0.00025"	0.0002"	3.15"	2.625"	\$1,193.51	\$1,074.16
XTA65I	2.625" - 3.250"	0.00025"	0.0002"	3.15"	2.625"	\$1,193.51	\$1,074.16
XTA80I	3.250" - 4"	0.00025"	0.0002"	3.94"	3.25"	\$1,514.97	\$1,363.47
Sets							
SMXTA2I	0.250" - 0.375"	2 heads, 2 handles, 1 ring				\$3,795.90	\$3,416.31
SMXTA4I	0.375" - 0.750"	3 heads, 3 handles, 2 rings				\$1,655.00	\$1,489.50
SXTA5I	0.750" - 2"	3 heads, 3 handles, 2 rings				\$2,614.06	\$2,352.65
SXTA6I	2" - 4"	3 heads, 3 handles, 2 rings				\$3,503.09	\$3,152.78

Bowers Ultima Bore Gauging System

World's most accurate system!



- Accuracies of 0.00004" up to 1.97"
- Ceramic anvils with blind bore capabilities above 0.472"
- Uses compact, multi function Sylvac display

				Sale Price
2	0.078" - 0.236"/2 - 6mm	Includes: handle, rings & heads	\$8,584.68	\$7,726.22
	0.236" - 0.393"/6 - 10mm	Includes: handle, rings & heads	\$5,205.61	\$4,685.05
4	0.393" - 0.787"/10 - 20mm	Includes: handle, rings & heads	\$6,579.97	\$5,921.97
	0.236" - 0.787"/6 - 20mm	Includes: handle, rings & heads	\$7,954.06	\$7,158.65
	0.787" - 1.97"/20 - 50mm	Includes: handle, rings & heads	\$8,606.47	\$7,745.82
	1.97" - 3.94"/50 - 100mm	Includes: handle, rings & heads	\$9,420.87	\$8,478.78
1	0.787" - 3.94"/20 - 100mm	Includes: handle, rings & heads	\$13,795.32	\$12,415.79
Digital Displays				
4.1	2	Sylvac D62S Digital Display	\$2,061.71	\$1,958.62
4.1	.1	Sylvac D62S Advanced Digital Display	\$2,644.82	\$2,512.58

Bowers MicroGauge

Pocket sized 2-point bore gauging system.



Replaces 100's of pin gauges!



- System range : 0.040" - 0.250"/1 - 6mm
- Switchable resolution 0.0005", 0.00005"/0.01, 0.001, 0.0005mm
- Repeatability : 0.00005"/0.001mm
- Sets include setting rings with UKAS certificates
- Depth stops available, call our sales team 1-800-260-2124

			Sale Price
1	0.037" - 0.096"/0.95 - 2.45mm	\$5,281.16	\$4,753.04
11	0.060" - 0.167"/1.5 - 4.25mm	\$4,971.38	\$4,474.24
12	0.089" - 0.250"/2.25 - 6.35mm	\$5,246.15	\$4,721.54
Connectivity Cables			
2	21.1	Proximity cable with USB connection	\$237.29 \$225.43
2	2	Proximity cable with serial connection	\$237.29 \$225.43

Prices & Specifications are subject to change without notice.

XTENDER Electronic Bore Gauge Set*with Carbide Anvils*

Industry's two most popular bore gauge ranges combined in one easy-to-use electronic set!

Preset size of master for absolute reading and use minimum hold feature to lock on the bore size as the gauge is rocked in the part to be measured.



- Range: 1.4"-6"/35mm-150mm
- Carbide anvils
- Self-centering

- Bar graph for reversal point indication
- Preset with recall
- ABS/INC measurement
- Min/Max/TIR



				Sale Price
4	4	4	1	1.4 - 6"/35 - 150mm
Extensions			0.00005"/0.001mm	\$807.05
2	4	4	20" depth extension	\$194.04
2	4	4	40" depth extension	\$218.07

Dial Cylinder Bore Gauges*2-point bore measuring*

52-646-300-0

- Carbide Anvils
- Easy-to-read
- Great value
- Graduation: 0.0005", 0.0001" or 0.01mm
- Insulated grip
- 9.5" depth above 1.5"
- Chrome plated handle



52-646-400-0

				Sale Price
2	4	1	0.7" - 1.5"	0.0005"
2	4		2" - 6"	0.0005"
2	4	4	1.4" - 6"	0.0005"
2	4		1.4" - 6"	0.0001"
2	4	22	35 - 60mm	0.01mm
Extensions				
2	4	4	20" depth extension	*Not for use with 52-646-100-0
2	4	4	40" depth extension	*Not for use with 52-646-100-0

Sylvac Swiss Electronic Calipers

3 styles to suit your needs.



810.1506.10



810.1702.10



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

3 YEAR WARRANTY



Calibration certificates available for all sizes.

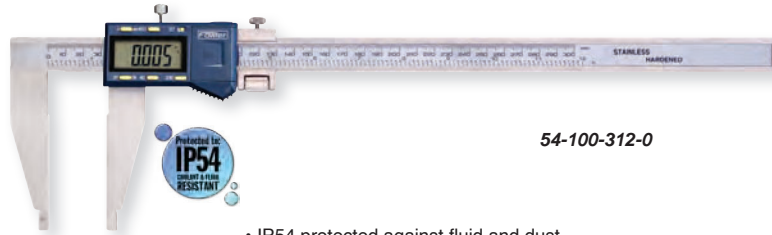
Part No.	Range	Accuracy	Resolution	List Price	Sale Price
Bluetooth Communication					
810.1506.10	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$447.70	\$425.32
810.1526.10	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$673.67	\$639.99
810.1536.10	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$832.81	\$791.17
Proximity Cable Communication					
810.1702.10	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$288.56	\$274.13
810.1722.10	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$476.34	\$452.52
810.1732.10	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$608.96	\$578.51
Without Data Output					
810.1502.10	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$238.70	\$226.77
810.1522.10	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$382.98	\$363.83
810.1532.10	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$520.90	\$494.86
Connectivity Cables/Accessories					
981.7132	Sylcom Basic Data Processing Software			\$1,207.11	\$1,146.75
926.6721.10	Proximity cable with USB Connection			\$237.29	\$225.43
926.6723	Proximity cable with Serial Connection			\$237.29	\$225.43
981.7100	USB Bluetooth Receiver			\$152.77	\$145.13

Prices & Specifications are subject to change without notice.

24.1

Calipers

ECLIPSE
TOOLS NORTH AMERICA INC

XTRA-RANGE®**Digital Calipers***For large measurements***54-100-312-0**

- IP54 protected against fluid and dust
- Resolution: 0.0005"/0.01mm
- Hold feature
- Absolute/Incremental measurement
- Preset mode includes offset size for ID measurements
- Both sizes feature fine adjustment

						Sale Price
4	1	12	0 - 12"/300mm	± 0.002"/0.05mm	3.5"	\$511.46 \$346.67
4	1	24	0 - 24"/600mm	± 0.003"/0.075mm	4"	\$792.00 \$713.48

XTRA-VALUE CAL**Electronic Calipers***Value priced verniers.***54-101-150-2****54-101-300-1**

- Stainless steel frame
- Large easy-to-read display
- Resolution: 0.0005"/0.01mm
- Absolute/Incremental measurement
- 4-way measuring, inside, outside, depth and step
- 6" and 12" regular display models include NIST Cert.
- Includes fitted case

						Sale Price
4	1	1	2	6"/150mm	0.001"/0.02mm	\$105.35 \$90.14
4	1	1	1	6"/150mm - Large Display with Hold feature	0.0015"/0.04mm	\$145.02 \$124.67
4	1	1	1	12"/300mm	0.0015"/0.04mm	\$240.65 \$153.92

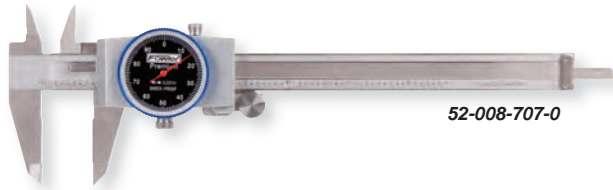
Prices & Specifications are subject to change without notice.

Premium Grade Dial Calipers

With mono-block housing for added protection.



52-008-706-0

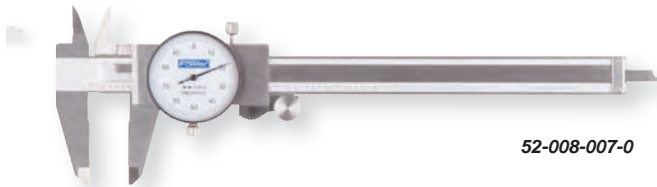


52-008-707-0

- Tough shockproof gearing with ultra smooth movement
- 4-way measuring, inside, outside, depth and step
- Inverted/covered rack
- Solid stainless steel construction with lapped measuring faces
- 0.100" range per revolution
- 0.001" reading dial

					Sale Price
2	0 - 6"	White	± 0.001"	\$183.91	\$118.15
2	0 - 6"	Black	± 0.001"	\$183.91	\$157.53
2	0 - 8"	White	± 0.0015"	\$220.84	\$140.97
2 12	0 - 12"	White	± 0.002"	\$296.94	\$189.30
Metric					
2	0 - 150mm	Yellow	± 0.02mm	\$189.62	\$162.90

Dial Calipers



52-008-007-0

- 4-way measuring for outside, inside, depths and steps
- Graduation: 0.001"
- Beam graduations: 0.100"
- Hardened stainless steel throughout with lapped measuring faces
- Satin chrome finished
- Covered rack
- Adjustable dial
- Shockproof gearing

					Sale Price
2	0 - 6"	White	± 0.001"	\$108.97	\$81.72

Prices & Specifications are subject to change without notice.

24.1

Calipers

ECLIPSE
TOOLS NORTH AMERICA INC

Electronic Coolant Resistant Micrometers

For basic outside measurements with higher protection.



54-860-001-1



Features:

- IP54 protected against fluid and dust
- Resolution: 0.00005"/0.001mm
- Carbide measuring faces
- Absolute & incremental modes
- Ratchet thimble
- Automatic switch off
- Free ball attachment included
- Sizes over 1"/25mm include a calibration standard

Part No.	Range	Accuracy	List Price	Sale Price
54-860-001-1	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$301.37	\$241.66
54-860-002-1	1 - 2"/25 - 50mm w/standard	± 0.00016"/0.004mm	\$348.84	\$280.02
54-860-003-1	2 - 3"/50 - 75mm w/standard	± 0.0002"/0.005mm	\$329.18	\$264.68
54-860-004-1	3 - 4"/75 - 100mm w/standard	± 0.0002"/0.005mm	\$403.40	\$243.10
Set				
54-860-103-1	0 - 3"/0 - 75mm w/standard		\$990.95	\$595.52

XTRA-VALUE II Electronic Micrometers



54-870-001-0

Features:

- IP40 protected against fluid and dust
- Resolution: 0.00005"/0.001mm
- Carbide measuring faces
- Absolute and incremental modes
- Ratchet thimble
- Free ball attachment included
- Sizes over 1"/25mm include a calibration standard

Part No.	Range	Accuracy	List Price	Sale Price
54-870-001-0	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$205.76	\$123.71
54-870-002-0	1" - 2"/25 - 50mm	± 0.00016"/0.004mm	\$222.19	\$133.78
54-870-003-0	2" - 3"/50 - 75mm	± 0.0002"/0.005mm	\$265.75	\$212.89
54-870-004-0	3" - 4"/75 - 100mm	± 0.0002"/0.005mm	\$325.32	\$260.84
Set				
54-870-103-0	0 - 3"/0 - 75mm		\$664.42	\$533.19

DigiMic Electronic Micrometer

The world standard of precision with IP67 and Bluetooth®.



Part No. DM025

Sale \$533.⁶⁴



List Price \$797.22

Features:

- IP67 protected against fluid and dust
- Very High Accuracy: 0.00008"/0.002mm (0-1"/25mm)
- Bluetooth IOT ready, no dongle or cable required for SPC data collection
- Carbide measuring surfaces, sleep and absolute modes



XTRA-MIC PLUS Electronic Micrometers



54-880-001-0



Features:

- IP54 protected against fluid and dust
- Super large LCD display, 14mm height
- Resolution: 0.00005"/0.001mm
- Carbide tipped anvil and spindle



Part No.	Range	Accuracy	List Price	Sale Price
54-880-001-0	0 - 1"/0 - 25mm	0.00016"/0.004mm	\$292.01	\$165.42
54-880-002-0	1 - 2 1/25 - 50mm	0.00016"/0.004mm	\$388.92	\$220.08
54-880-003-0	2 - 3 1/50 - 75mm	0.0002"/0.005mm	\$415.77	\$312.63
54-880-004-0	3 - 4 1/75 - 100mm	0.0002"/0.005mm	\$412.57	\$310.71
Set				
54-880-103-0	0 - 3"/0 - 75mm		\$980.42	\$552.37

Rapid-Mic

Quick-Displacement Electronic Micrometers

Fastest micrometer on the market!



803.0300.10



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	\$680.04	\$646.04
903.0600.10	1.18" - 2.6"/30 - 66mm	0.00016"/0.004mm	\$1,037.56	\$985.68
903.1000.10	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	\$1,313.39	\$1,247.72
Set				
903.1300.10	0 - 4"/0 - 102mm		\$3,106.32	\$2,951.00
Bluetooth Models				
803.0306.10	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	\$912.37	\$866.75
903.0606.10	1.18" - 2.6"/30 - 66mm	0.00016"/0.004mm	\$1,267.78	\$1,204.39
903.1006.10	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	\$1,549.97	\$1,472.47
Bluetooth Set				
903.1306.10	0 - 4"/0 - 102mm		\$3,747.10	\$3,559.75

Prices & Specifications are subject to change without notice.

24.1

Micrometers

TOOLS NORTH AMERICA INC.

ECLIPSE

Outside Vernier Micrometers



52-240-001-1



52-215-003-1

Features:

- Microfine graduations on satin chrome finish and carbide tipped measuring faces
- Diameter of measuring faces: 0.256"
- Graduation: 0.0001"
- Flatness: 0.00003"
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Includes a wrench and case
- Sizes over 1"/25mm include a standard

Part No.	Range	Accuracy	Thimble	List Price	<i>Sale Price</i>
52-240-001-1	0 - 1"	± 0.00016"	Friction	\$82.24	\$71.60
52-240-101-1	0 - 1"	± 0.00016"	Ratchet	\$82.24	\$53.70
52-240-002-1	1" - 2"	± 0.00016"	Friction	\$95.63	\$82.34
52-240-102-1	1" - 2"	± 0.00016"	Ratchet	\$109.45	69.81
52-240-003-1	2" - 3"	± 0.0002"	Ratchet	\$111.74	\$72.50
Sets					
52-215-003-1	0 - 3" with standards and fitted shop hardened case			\$327.93	\$197.36
52-215-004-1	0 - 4" with standards and fitted shop hardened case			\$469.83	\$300.73
52-215-006-1	0 - 6" with standards and fitted shop hardened case			\$797.55	\$508.83
52-215-012-1	0 - 12" with standards and fitted wooden case			\$2,417.85	\$2,056.81
52-215-612-1	6 - 12" with standards and fitted wooden case			\$1,595.09	\$1,356.88

Sylvac Electronic Indicators

Features:

- IP54 protected against fluid and dust
- Repeatability: 2µm
- Output: Proximity/Power - USB/RS232/digimatic/Wireless
- Menus customizable with free software
- Wide range of functions (MIN/MAX/DELTA, TOL, Factor, Preset, Auto Off, etc)
- Bezel rotates 270°
- Large display with LED tolerance indicators
- Includes lug back



805.5301.10



Part No.	Range	Accuracy	Resolution	List Price	Sale Price
805.5201.10	0 - 0.500"/12.5mm	0.0004"/0.01mm	0.0005"/0.01mm	\$724.59	\$688.36
805.5301.10	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	\$904.95	\$859.70
805.5401.10	0 - 1"/25mm	0.0004"/0.01mm	0.0005"/0.01mm	\$868.88	\$825.44
805.5501.10	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	\$1,049.23	\$996.77
805.5621.10	0 - 2"/50mm	0.00019"/0.005mm	0.00005"/0.001mm	\$1,443.88	\$1,371.69
Bluetooth					
805.6301.10	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	\$1,050.29	\$997.78
805.6501.10	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	\$1,248.68	\$1,186.25
Accessories					
981.7132	Sylcom Basic Data Processing Software			\$1,207.11	\$1,146.75
981.7100	USB Bluetooth Receiver			\$152.77	\$145.13

Premium Dial Indicators

Features:

- AGD Group 2 specifications
- Jeweled movement
- Tolerance markers
- Solid steel housing
- Carbide contact point
- Includes NIST Certification



52-520-135-0



52-520-105-0



52-520-110-1

Part No.	Range	Graduation	Reading	Balanced Reading	Dial Color	List Price	Sale Price
52-520-135-0	0.05"	0.0001"	0 - 10	0 - 5 - 0	White	\$394.22	\$222.96
52-520-105-0	0.50"	0.001"	0 - 100	0 - 50 - 0	White	\$170.20	\$128.89
52-520-110-1	1"	0.001"	0 - 100	—	Black	\$179.96	\$136.05
52-520-110-2	1"	0.001"	0 - 100	—	White	\$179.96	\$136.05
52-520-120-0	2"	0.001"	0 - 100	—	White	\$286.90	\$162.45
52-520-125-0	0.250"	0.0005"	0 - 100	—	White	\$237.45	\$179.01
52-520-129-0	1"	0.0005"	0 - 50	0 - 25 - 0	White	\$217.53	\$123.52
52-520-300-0	10mm	0.01mm	0 - 100	0 - 50 - 0	White	\$205.48	\$155.74
52-520-500-0	25mm	0.01mm	0 - 100	0 - 50 - 0	White	\$273.88	\$205.86

Prices & Specifications are subject to change without notice.

Sylvac Multimode Electronic Test Indicators

Features:

- Bluetooth connectivity to your phone or tablet
- IP65 protected against fluid and dust
- 4 measuring modes: Min, Max, TIR and Direct
- 4 measuring resolutions - 0.00005"/0.001mm or 0.0005"/0.01mm
- 1-1/2" diameter dial face rotates a full 360°
- Analog scale for reversal point indication
- Meets or exceeds DIN/ISO Standards
(Maximum error on 0.00005" scale at full range: 0.0004")



Part No.	Range	Contact Point Length	List Price	Sale Price
805.4321.10	0.030"/0.80mm	1/2"	\$909.97	\$864.47
805.4322.10	0.080"/2.0mm	1-7/16"	\$1,037.90	\$986.01
805.4323.10	0.030"/0.80mm	1/2"	\$1,132.82	\$1,076.18
	0.080"/2.0mm	1-7/16"		
Accessories				
981.7132	Sylcom Basic Data Processing Software		\$1,207.11	\$1,146.75
981.7100	USB BT Receiver		\$152.77	\$145.13

X-TEST®



Horizontal & Vertical Test Indicators

Features:

- Super smooth jeweled movement
- Smooth bezel adjustment for easy zero setting
- Solid brass anti-magnetic housing
- 0.080" and 0.120" carbide ball contact points (0.040" steel ball)
- 0.060" range with auto reverse and rev. counter
- Easy to read tilted dial
- 5/32" pivotable stem



52-562-005-0



52-562-001-0



52-562-002-BD

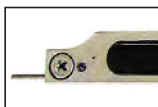
Part No.	Graduation	Dial Size	Dial Reading	List Price	Sale Price
Horizontal					
52-562-001-0	0.0005"	1-1/2"	0 - 15 - 0	\$256.25	\$163.79
52-562-002-0	0.0005"	1"	0 - 15 - 0	\$256.25	\$163.79
Vertical					
52-562-005-0	0.0005"	1"	0 - 15 - 0	\$344.04	\$194.19

S_Depth Gauges

Perfect for measuring depths, groove widths, slot widths, recess heights, step heights and through holes.

Features:

- IP67 protected against fluid and dust
- Bluetooth connectivity to your phone or tablet
- 3 measuring styles available
- 4"/100mm measuring base as standard
- Optional probes available for 54-139-160 series
- Extra large display
- Absolute measuring system



Rotary Pin Series
54-139-162-3

sylvac



Contact our Sales Department for optional bases and contacts.

Part No.	Description	List Price	Sale Price
812.1601	8"/200mm Interchangeable Anvil Bluetooth Depth Gauge	\$1,309.93	\$1,244.44
812.1603	12"/300mm Interchangeable Anvil Bluetooth Depth Gauge	\$1,520.06	\$1,444.06
812.1605	19"/500mm Interchangeable Anvil Bluetooth Depth Gauge	\$2,058.79	\$1,955.85
812.1611	8"/200mm Standard Style Bluetooth Depth Gauge	\$1,233.93	\$1,172.23
812.1613	12"/300mm Standard Style Bluetooth Depth Gauge	\$1,412.76	\$1,342.12
812.1615	19"/500mm Standard Style Bluetooth Depth Gauge	\$1,801.72	\$1,711.63
812.1621	8"/200mm Rotary Pin Bluetooth Depth Gauge	\$1,338.99	\$1,272.04
812.1623	12"/300mm Rotary Pin Bluetooth Depth Gauge	\$1,520.06	\$1,444.06
812.1625	19"/500mm Rotary Pin Bluetooth Depth Gauge	\$2,090.08	\$1,985.58

INDI-X[®] BT Electronic Indicators With Smart Wireless Communication

Features:

- Wireless communication to most phones and tablets
- Resolution 0.00005"/0.001mm
- Economical bluetooth option
- Includes lifting hook, ceramic ball contact point, 2 specialty contact points (spline and point), NIST cert., lug and flat backs



Part No.	Range	Accuracy	List Price	Sale Price
54-520-280-0	0 - 1"/25mm	0.00035"/0.008mm	\$395.31	\$337.56
54-520-285-0	0 - 0.50"/12.5mm	0.00030"/0.007mm	\$382.28	\$325.28

Prices & Specifications are subject to change without notice.

Carbide Super Scriber



- Lightweight • Retractable carbide tip • Knurled grip • Machined aluminum body • Pocket clip

Part No.	Description	Overall Length	List Price	Sale Price
52-500-050-0	Carbide Super Scriber	6.5"	\$66.23	\$45.65
52-500-055-0	Carbide Refill		\$21.03	\$14.77

X-BLOX® V-Block Set

2 each @:

- Dimensions: 1-1/2" L x 1-1/4" W x 1-1/4" H
- Work capacity: Approximately 1"

2 each @:

- Dimensions: 2" L x 1-1/2" W x 1-1/2" H
- Work capacity: 1-1/2"

All feature:

- Surfaces are square and parallel within 0.0005"
- V-grooves are square and parallel with all surfaces within 0.0005"
- Corresponding dimensions for each pair are alike within 0.0005"



Part No. 52-475-500-0

Sale \$166.⁶¹

List Price 222.15

V-Block Set



Features:

- Hardened steel. All sides of V-Blocks precision ground parallel and square within 0.0004"
- Height: 2", Length: 2-3/4", Width: 2"
- Two clamps, with screw hole at 90 degrees for positive clamping of work, are included
- Clamping capacity= 2"/50m
- V-Blocks are constructed with stepped grooves which allow the clamps to be inserted without protrusion, thus allowing V-Blocks to be used on base, ends or sides
- Matched pair of V-Blocks are perfectly aligned with 90 degree V-grooves ground central and parallel to the sides and bases

Part No. 52-475-555-0

Sale \$208.²⁷

List Price \$277.69



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

Useful in layout, inspection and grinding work

Features:

- 23 holes for easy clamping
- Sold in pairs
- Hardened 56 - 60 HRC
- Both styles include 5 threaded holes, 3/8" - 16



52-439-246-0

Part No.	Description	Accuracy	List Price	Sale Price
52-439-031-0	1-2-3 Blocks	± 0.0001"/1"	\$82.95	\$51.02
52-439-032-0	1-2-3 Blocks	± 0.0002"/1"	\$172.69	\$155.74
52-439-246-0	2-4-6 Blocks	± 0.0003"/1"	\$338.31	\$272.35

COAX-2D 2 Dimensional Coaxial Indicator Sets

Use the 2D Coaxial Set for accurate component centering and positioning in most machining applications. The dial remains stationary during the rotation of the machine spindle.

Features:

- Graduations and revolution counter 0.0005"/0.01mm
- 3 internal and 3 external feelers; ball dia.: 1/8" (3mm)
- Includes center point feeler and staining arm
- Restraining arm
- Shank: 3/8" dia. x 7/8" long (10mm x 20mm)
- Measuring range: 0.250" (6mm) axis offset
- Speed recommended 800 RPM max.
- Repeatability to within 0.0002" (0.005mm) of true center
- Capacity, depending on feeler is 5/32-12"/4-300mm internal diameter; 0-12"/0-300mm external diameter



52-710-025-0

Part No.	Description	List Price	Sale Price
52-710-025-0	2D Coaxial Set - Inch	\$514.57	\$385.93
52-710-030-0	2D Coaxial Set - Metric	\$426.04	\$319.53

Electronic Edge Finders



Features:

- Six equally spaced light ports provide visibility at any angle
- Edge finder lights instantly when stylus touches work edge
- Repeatability: 0.0002"
- Works on any conductive metal



Along with light indication, model #54-575-650-0 emits an audible "beep" at time of contact

Part No.	Stylus	Shank	Audible	List Price	Sale Price
54-575-600-0	0.200"	1/2"	NO	\$92.92	\$62.91
54-575-625-0	0.200"	1/2"	NO	\$288.75	\$261.86
54-575-650-0	0.400"	3/4"	YES	\$333.65	\$300.75

Prices & Specifications are subject to change without notice.

24.1

Shop Tools

TOOLS NORTH AMERICA INC
ECLIPSE

25

SHOP-BLOX® Rectangular Gauge Block Sets



53-672-081-0

Features:

- Manufactured to meet Federal Specification ASME B89. 1.9 - 2002 tolerances on length for inch gauge blocks
- Certificate of Calibration traceable to NIST
- Tolerances to ± 0.00005 "
- In high-quality fitted wood case

Part No.	Description	List Price	Sale Price
53-672-036-0	36 pc.	\$687.81	\$386.95
53-672-081-0	81 pc.	\$1,176.45	\$884.17

Grade Ø Rectangular Steel Gauge Block Set



53-670-038-0

Features:

- Grade Ø
- Certificate of Calibration traceable to N.I.S.T.
- Each block is individually serialized
- Sizes clearly marked on each block
- Complete with fitted wooden case

Part No.	Description	List Price	Sale Price
53-670-038-0	36 pc.	\$1,014.84	\$647.31
53-670-080-0	81 pc.	\$1,867.47	\$1,588.06



Weight & Counting Scale



Features:

- Accurately measures weights and quantities
- Use for counting large batches of small parts
- Measure weights up to 66 lbs./30 kg.
- Removable stainless steel weighing pan and durable ABS housing
- Converts pounds, ounces, grams, kilograms
- Internal battery with 100 hours of use
- Front panel leveling indicator with adjustable leveling feet
- 3 panel backlit LCD display indicates weight, average piece weight and count

Measures up to 66 lbs.!

Part No. 54-750-030-0

Sale \$285.77

List Price \$335.01





SAVINGS

**LOOK OUT FOR BOWERS
PRICE BITES PROMOS
THROUGHOUT 2024**

**SAVE EVEN
MORE!**

*For more information, contact the Eclipse Sales Team at
1-800-260-2124 or sales@eclipse-toolsinc.com*

*Follow Eclipse Tools NA Inc. on social media for the
latest news and updates!*



Profile Projector Retrofit

Simple, plug and play

baty

Improve your optical comparator functionality and accuracy!

With our retrofit program you can dramatically enhance the functionality of your current optical comparator.

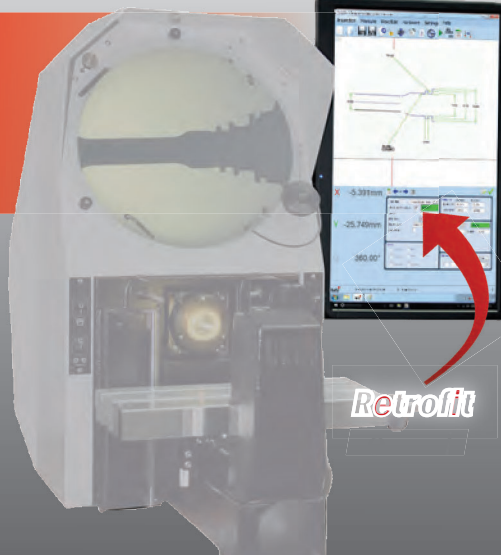
Advanced error mapping - increase accuracy of your comparator. Comprehensive reporting including dimensioned drawing, SPC and EXCEL™ compatible first article inspection reports.

Compatible comparator types:

- Bathy
- 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!



Starting from:
\$ 4,931.00

ECLIPSE

TOOLS NORTH AMERICA INC

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

☎ 1-800-260-2124

📠 1-800-260-1410

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Tool & Cutter
Specialists in Cutting Tools Since 1969



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