

TOOLS NORTH AMERICA INC

TOOL-A-THON



Volume 24.1

VALID JANUARY 1ST - JUNE 30TH, 2024





E.M. PRECISE TOOL LTD.

CUTTING TOOLS • PRECISION TOOLS • COOLANTS

③ (905) 664-2644 ⑤ TF: 1 (800) 267-7569
⊙ info⊗emprecise.com www.emprecise.com

NEW Fulcrum Revolutionary Manual CMM



· Uses a single USB cable to connect and requires no air

· Volumetric accuracy of 0.0002"/0.005mm

Fulcrum

Baty Venture 3030 XT Multi-Sensor Vision System





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 accurateUltra precise
- Meets ISO 9000 requirements

Trimos HS6

- 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



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



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

SCAN S145L)





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



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 guage
- · User's manual and test certificate







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V-Series Electronic Height Gauges Comparison Chart								
	V9	V8	V7	V6	V5	V4	V3	
Accuracy								
1.2 + L(mm)/1000 μm	\checkmark	V						
2 + L(mm)/400 μm			V	V				
2.5 + L(mm)/300 μm					/			
4.5 - 6 μm						\checkmark		
7 - 8 µm							\	
Range								
400/700mm	\checkmark	/	/	/	\checkmark	/	\	
1100mm	\checkmark	√	/	V	\checkmark			
Smart Reverse for Ø	\checkmark	/	/	/	\checkmark	/	\	
Air Cushion	\checkmark	√	I	/	\checkmark	/		
Wireless Option	\checkmark	/	/	/	\checkmark	/		
Manual/Motorized	\checkmark		/	V	\checkmark			
Manual ONLY		\				/	V	
Fine Adjustment		\						
Color Display	\checkmark		\					
2D Measuring	./		./					

Part No.	Range	List Price	Sale Price
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

Sylvac Hi_Cal V2 Electronic Height Gauges

For your finer, more delicate parts.

🔇 sylvac









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





7-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 N	lo.	Range	Accuracy	List Price	Sale Price
54-17	5-024-0	24"/600mm	± 0.002"/0.05mm	\$1,834.70	\$1,239.76



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



List Price \$1,195.98

Bowers BLUETOOTH



XTH3 Bluetooth Holematic 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 Complet	te 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 conne	ection	\$237.29	\$225.43			
926.6723	Proximity cable with serial conn	ection	\$237.29	\$225.43			
981.7100	USB bluetooth receiver		\$152.77	\$145.13			

Bore Gauging Systems



XTD3 Bluetooth Electronic Holemikes



- · 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







Part No.	Range	Includes	List Price	Sale Price
	dual Sets (Traditional style)			
2-Point Heads				
XTD1i-BT	0.080" - 0.100"/2 - 2.5mm	1 head, 1 handle, 1 ring	\$2,976.89	\$2,679.20
XTD2i-BT	0.100" - 0.120"/2.5 - 3mm	1 head, 1 handle, 1 ring	\$2,976.89	\$2,679.20
XTD3i-BT	0.120" - 0.160"/3 - 4mm	1 head, 1 handle, 1 ring	\$2,975.82	\$2,678.24
XTD4i-BT	0.160" - 0.200"/4 - 5mm	1 head, 1 handle, 1 ring	\$2,975.82	\$2,678.24
XTD5i-BT	0.200" - 0.250"/5 - 6mm	1 head, 1 handle, 1 ring	\$2,975.82	\$2,678.24
3-Point Heads				
XTD6i-BT	0.250" - 0.312"/6 - 8mm	1 head, 1 handle, 1 ring	\$2,099.52	\$1,889.57
XTD8i-BT	0.312" - 0.375"/8 - 10mm	1 head, 1 handle, 1 ring	\$2,099.52	\$1,889.57
XTD10i-BT	0.375" - 0.500"/10 - 12.5mm	1 head, 1 handle, 1 ring	\$2,099.52	\$1,889.57
XTD12i-BT	0.500" - 0.625"/12.5 - 16mm	1 head, 1 handle, 1 ring	\$2,157.87	\$1,942.08
XTD16i-BT	0.625" -0.750"/16 - 20mm	1 head, 1 handle, 1 ring	\$2,157.87	\$1,942.08
XTD20i-BT	0.750" - 1"/20 - 25mm	1 head, 1 handle, 1 ring	\$2,567.38	\$2,310.64
XTD25i-BT	1" - 1.375"/25 - 35mm	1 head, 1 handle, 1 ring	\$2,918.54	\$2,626.69
XTD35i-BT	1.375" - 2"/35 - 50mm	1 head, 1 handle, 1 ring	\$3,035.23	\$2,731.71
XTD50i-BT	2" - 2.625"/50 - 65mm	1 head, 1 handle, 1 ring	\$3,328.04	\$2,995.24
XTD65i-BT	2.625" - 3.250"/65 - 80mm	1 head, 1 handle, 1 ring	\$3,328.04	\$2,995.24
XTD80i-BT	3.250" - 4"/80 - 100mm	1 head, 1 handle, 1 ring	\$3,503.09	\$3,152.78
XTD100i-BT	4" - 5"/100 - 125mm	1 head, 1 handle, 1 ring	\$3,678.14	\$3,310.33
XTD125i-BT	5" - 6"/125 - 150mm	1 head, 1 handle, 1 ring	\$3,795.90	\$3,416.31
XTD150i-BT	6" - 7"/150 - 175mm	1 head, 1 handle, 1 ring	\$4,146.00	\$3,731.40
XTD175i-BT	7" - 8"/175 - 200mm	1 head, 1 handle, 1 ring	\$4,380.46	\$3,942.41
XTD200i-BT	8" - 9"/200 - 225mm	1 head, 1 handle, 1 ring	\$5,316.17	\$4,784.55
XTD225i-BT	9" - 10"/225 - 250mm	1 head, 1 handle, 1 ring	\$5,842.38	\$5,258.14
XTD250i-BT	10" - 11"/250 - 275mm	1 head, 1 handle, 1 ring	\$6,017.42	\$5,415.68
XTD275i-BT	11" - 12"/275 - 300mm	1 head, 1 handle, 1 ring	\$6,543.63	\$5,889.27
Holemike Comp	lete Sets (Traditional style)			
SXTD1i-BT	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	\$7,011.49	\$6,310.34
SXTD3i-BT	0.250" - 0.375"/6- 10mm	2 heads, 1 handle, 1 ring	\$2,800.78	\$2,520.70
SXTD4i-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	\$3,386.39	\$3,047.75
SXTD5i-BT	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	\$4,672.20	\$4,204.98
SXTD6i-BT	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	\$5,140.06	\$4,626.05
SXTD7i-BT	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	\$4,322.11	\$3,889.90
SXTD8i-BT	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	\$5,784.03	\$5,205.63
SXTD9i-BT	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	\$9,234.07	\$8,310.66
Connectivity Ca				
926.6721.10	Proximity cable with USB conne		\$237.29	\$225.43
926.6723	Proximity cable with serial conr	nection	\$237.29	\$225.43
				4



			Meas.	Ring	Ring	List	Sale
Part No.	Range	Grads.	Accuracy	Depth	Included	Price	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	2 heads, 2 handles, 1 ring				\$3,416.31
SMXTA4I	0.375" - 0.750"	3 heads, 3	3 heads, 3 handles, 2 rings				\$1,489.50
SXTA5I	0.750" - 2"	3 heads, 3	handles, 2 ring	\$2,614.06	\$2,352.65		
SXTA6I	2" - 4"	3 heads, 3	handles, 2 ring	s		\$3,503.09	\$3,152.78

Bowers Ultima Bore Gauging System

World's most accurate system!







Features:

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

Part No.	Description	Set Includes	List Price	Sale Price
USET2DW	0.078" - 0.236"/2 - 6mm	Includes: handle, rings & heads	\$8,584.68	\$7,726.22
USET3DW	0.236" - 0.393"/6 - 10mm	Includes: handle, rings & heads	\$5,205.61	\$4,685.05
USET4DW	0.393" - 0.787"/10 - 20mm	Includes: handle, rings & heads	\$6,579.97	\$5,921.97
USET7DW	0.236" - 0.787"/6 - 20mm	Includes: handle, rings & heads	\$7,954.06	\$7,158.65
USET8DW	0.787" - 1.97"/20 - 50mm	Includes: handle, rings & heads	\$8,606.47	\$7,745.82
USET9DW	1.97" - 3.94"/50 - 100mm	Includes: handle, rings & heads	\$9,420.87	\$8,478.78
USET10DW	0.787" - 3.94"/20 - 100mm	Includes: handle, rings & heads	\$13,795.32	\$12,415.79
Digital Displays				
804.1062	Sylvac D62S Digital Display		\$2,061.71	\$1,958.62
804.1063.10	Sylvac D62S Advanced Digit	al Display	\$2,644.82	\$2,512.58

Bowers MicroGauge

Pocket sized 2-point bore gauging system.







- 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

Part No.	Description	List Price	Sale Price
SMG010M	0.037" - 0.096"/0.95 - 2.45mm	\$5,281.16	\$4,753.04
SMG011M	0.060" - 0.167"/1.5 - 4.25mm	\$4,971.38	\$4,474.24
SMG012M	0.089" - 0.250"/2.25 - 6.35mm	\$5,246.15	\$4,721.54
Connectivity Cables			
926.6721.10	Proximity cable with USB connection	\$237.29	\$225.43
926.6723	Proximity cable with serial connection	\$237.29	\$225.43

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.



Bore Gauge features:

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

Indicator features:

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



Part No.	Range	Resolution	List Price	Sale Price
54-646-401-0	1.4 - 6"/35 - 150mm	0.00005"/0.001mm	\$807.05	\$686.63
Extensions				
52-646-450-0	20" depth extension		\$194.04	\$175.43
52-646-475-0	40" depth extension		\$218.07	\$196.91

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



е	Graduation	List Price	Sale Price
1.5"	0.0005"	\$324.86	\$184.12
"	0.0005"	\$307.39	\$197.07
6"	0.0005"	\$408.24	\$230.15
6"	0.0001"	\$530.01	\$450.72
60mm	0.01mm	\$532.04	\$452.64
epth extension *Not for	use with 52-646-100-0	\$194.05	\$175.43
epth extension *Not for	use with 52-646-100-0	\$218.07	\$196.91
	1.5" " 6" 6" 90mm epth extension *Not for	1.5" 0.0005" " 0.0005" 6" 0.0005" 6" 0.0001"	1.5" 0.0005" \$324.86 " 0.0005" \$307.39 6" 0.0005" \$408.24 6" 0.0001" \$530.01 00mm 0.01mm \$532.04 epth extension "Not for use with 52-646-100-0 \$194.05



Sylvac Swiss Electronic 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

3 YEAR WARRAN





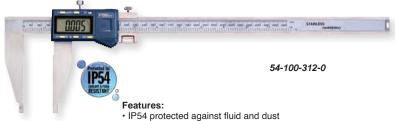


Calibration certificates available for all sizes.

Part No.	Range	Accuracy	Resolution	List Price	Sale Price			
Bluetooth Comm	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 Out	put							
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 F	Receiver		\$152.77	\$145.13			



For large measurements



- Resolution: 0.0005"/0.01mm
- Hold feature
- Absolute/Incremental measurement
- Preset mode includes offset size for ID measurements
- · Both sizes feature fine adjustment

Part No.	Range	Accuracy	Jaw Depth	List Price	Sale Price
54-100-312-0	0 - 12"/300mm	± 0.002"/0.05mm	3.5"	\$511.46	\$346.67
54-100-024-1	0 - 24"/600mm	± 0.003"/0.075mm	4"	\$792.00	\$713.48

XTRA-VALUE CAL

Electronic Calipers

Value priced verniers.



- · 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

Part No.	Range	Accuracy	List Price	Sale Price
54-101-150-2	6"/150mm	0.001"/0.02mm	\$105.35	\$90.14
54-101-600-1	6"/150mm - Large Display with Hold feature	0.0015"/0.04mm	\$145.02	\$124.67
54-101-300-1	12"/300mm	0.0015"/0.04mm	\$240.65	\$153.92



With mono-block housing for added protection.



Features:

- 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

Part No.	Range	Dial Color	Accuracy	List Price	Sale Price
52-008-706-0	0 - 6"	White	± 0.001"	\$183.91	\$118.15
52-008-707-0	0 - 6"	Black	± 0.001"	\$183.91	\$157.53
52-008-708-0	0 - 8"	White	± 0.0015"	\$220.84	\$140.97
52-008-712-0	0 - 12"	White	± 0.002"	\$296.94	\$189.30
Metric					
52-008-709-0	0 - 150mm	Yellow	± 0.02mm	\$189.62	\$162.90

Dial Calipers



- 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

Part No.	Range	Dial Color	Accuracy	List Price	Sale Price
52-008-007-0	0 - 6"	White	± 0.001"	\$108.97	\$81.72



Electronic Coolant Resistant Micrometers

For basic outside measurements with higher protection.



- · 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 | | Electronic Micrometers



- · Carbide measuring faces
- · Absolute and incremental modes
- Ratchet thimble Free ball attachment included
- Sizes over 1"/25mm include a calibration standard

шІ	9	Part No.	Range	Accuracy	List Price	Sale Price
	= <	54-870-001-0	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$205.76	\$123.71
ונט	읉	54-870-002-0	1" - 2"/25 - 50mm	± 0.00016"/0.004mm	\$222.19	\$133.78
	MERI	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
	Ė	Set				
	ᅙ	54-870-103-0	0 - 3"/0 - 75mm		\$664.42	\$533.19
	r _S					

DigiMic Electronic Micrometer

The world standard of precision with IP67 and Bluetooth®.







- · 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

Part No. DM025



List Price \$797.22

XTRA-MIC PLUS Electronic Micrometers



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	
54-880-001-0	0 - 1"/0 - 25mm	0.00016"/0.004mm	\$292.01	\$165.42
54-880-002-0	1 - 2"/25 - 50mm	0.00016"/0.004mm	\$388.92	\$220.08
54-880-003-0	2 - 3"/50 - 75mm	0.0002"/0.005mm	\$415.77	\$312.63
54-880-004-0	3 - 4"/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!



- 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 Set	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	\$1,313.39	\$1,247.72
903.1300.10	0 - 4"/0 - 102mm		\$3,106.32	\$2,951.00
Bluetooth Model	S			
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

Outside Vernier Micrometers



52-215-003-1

- · 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	Sale Price
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 s	tandards and fitted she	op hardened case	\$327.93	\$197.36
52-215-004-1	0 - 4" with s	tandards and fitted she	op hardened case	\$469.83	\$300.73
52-215-006-1	0 - 6" with s	tandards and fitted she	\$797.55	\$508.83	
52-215-012-1	0 - 12" with	standards and fitted w	\$2,417.85	\$2,056.81	
52-215-612-1	6 - 12" with	standards and fitted w	ooden case	\$1,595.09	\$1,356.88

Sylvac Electronic Indicators

- · 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









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 I	Sylcom Basic Data Processing Software			
981.7100	USB Bluetooth Rece	\$152.77	\$145.13		

Premium Dial Indicators

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



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

S

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 0.080"/2.0mm	1/2" 1-7/16"	\$1,132.82	\$1,076.18
Accessories				
981.7132	Sylcom Basic Data Pro	ocessing Software	\$1,207.11	\$1,146.75
981.7100	USB BT Receiver	•		\$145.13

X-TEST

Horizontal & Vertical Test Indicators

- · 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







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

812.1605

S_Depth Gauges

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

- · 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











812.1611

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

- · 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

Carbide Super Scriber



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

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

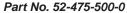
X-βLOX[®] V-Block Set

2 each @:

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





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





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



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



- 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



SHOP-BLOX® Rectangular Gauge Block Sets



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		\$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	Salle Price
53-670-038-0		\$1,014.84	\$647.31
53-670-080-0	81 pc.	\$1,867.47	\$1,588.06

Weight & Counting Scale



- 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





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

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



Profile Projector Retrofit

Simple, plug and play



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 o your comparator. Comprehensive reporting including dimensioned drawing, SPC and EXCELTM compatible first article inspection reports.

Compatible comparator types:

- Baty
- Starrett
- MitutoyoTesa

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!



\$ 4,931.00

Contact Eclipse for more details! 1-800-260-2124



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- 1-800-260-1410
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- https://www.bowersgroup.co.uk/ca/











