



BOWERS GROUP

AUTUMN / WINTER 2015

Valid until 31st December 2015 (subject to availability)

www.bowersgroup.co.uk

Special Offers

NEW XT3 **Bluetooth Digital** **Pistol Grip - Sets**

See page 3 for details.

NEW BOWERS
XT3 BORE GAUGE
WITH BLUETOOTH AT
NO EXTRA COST



S-Scan 52 **Optical** **Measuring** **Machine for** **Turned Parts**

See back page for details.

NEW



Trimos V5 **Manual /** **Motorised** **Height Gauge**

See page 4 for details.

FREE MACRO
ACCESSORY SET



Analogue **Rockwell Type** **Hardness** **Tester** **W-600A/MA**

See page 7 for details.

25% OFF
LIST PRICE



BORE GAUGING

NEW XT3 Bluetooth Digital Bore Gauge Multi Display Sets

Bowers' NEW XT3 digital internal micrometers offer a new ergonomic design - including a larger and clearer LCD display - along with IP67 electronics protection, proximity output with built-in Bluetooth; both allow bi-directional communication giving greater flexibility for data acquisition and storage. The extended mechanical travel of the XT range means that special heads can also be manufactured to accommodate users' most awkward measuring problems. Measuring heads for threads, splines, slots, grooves, deep-holes and many more applications are available.



IP67



WiFi

Option

RS232

USB

Features:

- New ergonomic design with larger and clearer LCD display
- IP67 electronics
- Simple 2-button operation
- 4 preset memories
- Proximity RS232/USB output with built-in Bluetooth Low Energy (BLE)
- Bi-directional communication
- Range 2-300mm (0.080" - 12")
- 2-6mm 2 point / 6-300mm 3 point measurement
- Resolution 0.001mm/0.00005"
- Tungsten carbide measuring faces on all 3-point heads from 12.5mm
- Blind bore measurement from 2mm - 6mm and above 12.5mm (0.500")
- Extensions available above 6mm for deep hole measurement
- Ratchet stop to ensure consistent measurement
- Setting rings included with individual instruments and sets
- UKAS certificates supplied as standard with all setting rings
- UKAS certificates supplied as standard with all gauges
- Serial number on all digital readouts and measuring heads
- Heads with special anvils available to suit specific customer requirements (e.g. Threads, grooves, 2-point, spherical, splines etc)
- Bore gauges manufactured according to DIN 863, part 4
- Supplied in fitted wooden case



NEW

RECEIVE 2 EXTRA DIGITAL READOUTS AND SAVE UP TO 40%



SXTD5U-BT with Digital Readout for each 3pt head

Sets Supplied with digital display units, heads and rings

Code	Range (mm)	List Price	Special Offer Price	Q
SXTD3U-BT	6-10	£1,805.50	£1,052.00	Q
SXTD4U-BT	10-20	£2,054.50	£1,256.00	Q
SXTD5U-BT	20-50	£2,745.00	£1,700.00	Q
SXTD6U-BT	50-100	£3,222.50	£1,879.50	Q

NEW XT3 Bluetooth Digital Pistol Grip - Sets

Bowers' NEW XT3 Holematic offers a new ergonomic design - including a larger and clearer LCD display - along with IP67 electronics protection, proximity output with built-in Bluetooth; both allow bi-directional communication giving greater flexibility for data acquisition and storage. The extended mechanical travel of the XT range means that special heads can also be manufactured to accommodate users' most awkward measuring problems. Measuring heads for threads, splines, slots, grooves, deep-holes and many more applications are available.



Features:

- New ergonomic design with larger, clearer LCD swivel display
- IP67 electronics
- Simple 2-button operation
- 4 preset memories
- Proximity RS232/USB output with built-in Bluetooth Low Energy (BLE)
- Bi-directional communication
- Range 2-300mm (0.080" -12")
- 2-6mm 2 point / 6-300mm 3 point measurement
- Resolution 0.001mm/0.00005"
- Tungsten carbide measuring faces on all 3-point heads from 12.5mm
- Blind bore measurement from 2mm - 6mm and above 12.5mm (0.500")
- Extensions available above 6mm for deep hole measurement
- Setting rings included with individual instruments and sets
- UKAS certificates supplied as standard with all setting rings
- UKAS certificates supplied as standard with all gauges
- Serial number on all digital readouts and measuring heads
- Heads with special anvils available to suit specific customer requirements (e.g. Threads, grooves, 2-point, spherical, splines etc)
- Bore gauges manufactured according to DIN 863, part 4
- Supplied in fitted wooden case

NEW



SXTH5M-BT set composition

Sets Supplied with digital pistol grip, heads, rings and UKAS

Code	Range (mm)	Special Offer Price
SXTH3M-BT	6-10	£1,008.00 Q
SXTH4M-BT	10-20	£1,192.00 Q
SXTH5M-BT	20-50	£1,560.50 Q
SXTH6M-BT	50-100	£1,745.50 Q
SXTH7M-BT	100-150	£1,560.50 Q
SXTH8M-BT	150-200	£2,084.50 Q

Large Sets Supplied with digital pistol grip, heads, rings and UKAS

Code	Range (mm)	Special Offer Price
SXTH10M-BT	6-20	£1,544.00 Q
SXTH11M-BT	20-100	£2,884.00 Q
SXTH9M-BT	100-200	£3,339.00 Q

**NEW BOWERS
XT3 BORE GAUGE
WITH BLUETOOTH AT
NO EXTRA COST**

HEIGHT GAUGING

Trimos V5 Manual / Motorised Height Gauge



The vertical measuring instrument V5 is the descendant of the legendary V+ line; universally recognised for its ease of use and high quality.

Its clear display and user-friendly functions offer exceptional ease of use. But that's not all: the V5 is equipped with a revolutionary displacement hand-wheel offering its user the choice of displacement mode of the measuring carriage; either manual or motor-driven. Neither mode is compromised, which means that the user who prefers a manual instrument will not notice a difference from a classic manual instrument, and the same applies to the motor-driven displacement. This innovation avoids having to make a difficult choice during the purchasing process and can accommodate multiple users with the same instrument.

The design of the V5 with its side probe holders revives an old Trimos tradition: they enable measuring with long, robust probes guaranteeing excellent repeatability.

Features:

- Measuring ranges: 400, 700 and 1100mm
- Extremely easy to use
- Electronically adjustable measuring force
- Manual and motor-driven displacement
- Vast range of accessories
- All adjustments possible without tools
- RS232 and USB interfaces
- Probes up to 450mm long available



**FREE MACRO
ACCESSORY SET WITH
EACH HEIGHT GAUGE
CODE 20-TA-SE-106
WORTH £653**



Trimos V5 Series Specification

Code	20-V5-400	20-V5-700	20-V5-1100
Description	Measuring range with extension (mm/inch) - 719/28.3	Measuring range with extension (mm/inch) - 1023/40.3	Measuring range with extension (mm/inch) - 1422/56
Range (mm)	407	711	1,110
Range (inch)	16	28	43.7
Maximum Error (µm)		2.5 + L(mm)/300	
Repeatability (µm)		2	
Force		0.75 ÷ 1.5	
Resolution (mm)		0.01 / 0.001	
Resolution (inch)		0.0005 / 0.00005	
Note		With Air Cushion	
List Price	£3,969.90	£4,644.10	£7,415.50

Sylvac Hi_Cal Digital Motorised Height Gauge

The Sylvac Hi_Cal Digital Motorised Height Gauge is the latest, high specification electronic height gauge available from Bowers. With further improved accuracy, the Hi-Cal is perfect for a variety of measuring tasks including step heights, internal/external diameters and centre-line distances.

The height gauge benefits from Sylvac's patented inductive measuring electronics and the latest motorised probing system, to give excellent repeatability and ease of use.



Swiss Precision



Features:

- Available in three models: 150mm, 300mm and 450mm
- Motorised carriage with 2 progressive speed ranges
- Light and compact with a small footprint
- Simultaneous display of diameter and centerline
- Measures internal and external diameter, centerline, height, thickness and depth
- Extremely low measuring force
- USB data output or RS232
- Supplied with setting master

NEW 450MM VERSION NOW AVAILABLE

SAVE AT LEAST 10% ON ALL MODELS



Sylvac Hi_Cal Digital Motorised Height Gauge

Code	Range (mm)	Range (inch)	Application Range (mm)	Application Range (inch)	Accuracy (mm)	Repeatability (µm)	Resolution (mm)	List Price	Special Offer Price
30-830-0150	150	6	0-155	6	2.5 + L / 175	2	0.01 / 0.001	£2,781.50	£2,495.00
30-830-0300	300	12	0-320	12	2.5 + L / 175	2	0.01 / 0.001	£3,059.50	£2,750.00
30-830-0450	450	18	0-470	19	2.5 + L / 175	2	0.01 / 0.001	£3,665.00	£3,250.00

MICROMETERS

Sylvac S_Mike PRO

Complies with: DIN 863

Features:

- Automatic wake-up by moving the measuring spindle
- Sleep mode after 20 min. of no use
- Position memorised in sleep mode
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529, with or without connector
- Quick displacement of the measuring spindle 12mm / rotation
- Battery life 12,000 hours
- Non-rotating spindle
- Preset function

Sylvac S_Mic PRO - Standard Features:

- Measuring range 0-102mm covered with 3 instruments only
- Setting masters provided



Swiss Precision



IP67



Option



**20% OFF
LIST PRICE**



S_MIKE PRO - Set

Code	Range (mm)	Description	Proximity	Protection Rating	List Price	Special Offer Price
30-903-1300	0-102	Sylvac S_Mike Pro Box Set	USB / RS 232 / Digimatic / Wireless	IP67 with or without connector	£1,103.50	£883.00 Q

Note: Bluetooth available on request

Analogue Rockwell Type Hardness Tester W-600A/MA

Manual bench hardness tester for regular Rockwell scales.

Features:

- Basic regular Rockwell bench tester range offering accuracy, reliability and durability at an extremely affordable price
- Direct analogue display of HRC, B, A, F
- Rugged construction, will withstand toughest environments
- Standard delivery includes range of test anvils, indenters and test blocks
- Accuracy conforms to EN-ISO 6508 and ASTM-E18
- Large capacity to accommodate large test specimens

**25% OFF
LIST PRICE**



Analogue Rockwell Type Hardness Tester W-600A/MA

Code	Description	List Price	Special Offer Price
W-600A	Basic Analogue Rockwell	£2,180.00	£1,635.00
W-600MA	Motorised Analogue Rockwell	£2,978.00	£2,233.50

Great Offers on a Range of Leeb Principle Portable Hardness Testers

Features:

- Leeb principle, portable rebound hardness testers
- Hardness values in Leeb HLD to HRB, HRC, HV, HB, Shore HS
- Impact Device D integrated: no cables (TH-1100 & TH170)
- Optional six impact devices are available for special applications (TH-110)
- USB data output (TH-170)
- Built-in printer (TH-110)

**15% OFF
LIST PRICE**



Portable Hardness Testers

Code	Description	List Price	Special Offer Price
W-TH1100	Universal Portable Hardness Tester	£988.50	£840.50
W-TH170	CV Hardness Tester	£1,415.50	£1,203.50 Q
W-TH110	Dynamic Hardness Tester	£1,634.00	£1,389.00

OPTICAL MEASURING

S-Scan 52 Optical Measuring Machine for Turned Parts

NEW

The S-Scan is the first horizontal machine specially designed for workshop measurement close to the machine tool. The concept is to measure the parts in the same position as they are machined.

Suitable for first-off parts, control in process (SPC), sampling or 100% inspection, the S-SCAN 52 machines are set to revolutionise control in the workshop. It's this simple:

Place the workpiece on the S-SCAN machine, press the button and get all the values automatically and without pre-programming. Perfectly integrated in the workshop, our S-SCAN 52 machines replace conventional measuring systems including multi-gauging jigs thanks to their unsurpassed flexibility and time saving.

Delivery includes:

- Instrument according to technical specifications
- 2 male centers
- Computer
- Mouse
- Keyboard
- Windows multilingual operating system
- Screen
- Manual
- Reflex-Scan Software
- Rotary headstock (model 30-902-5521 only)



S-Scan 52 Optical Measuring Machine for Turned Parts

Code	Range	Repeatability (µm)	Resolution (mm)	Special Introductory Price
30-902-5520	Diameter: 0.5 – 52, Length: 300	Diameter: 1, Length: 2.5	Diameter: 0.0001, Length: 0.0005	£20,103.00 K
30-902-5521	Diameter: 0.5 – 52, Length: 300	Diameter: 1, Length: 2.5	Diameter: 0.0001, Length: 0.0005	£23,611.00 K

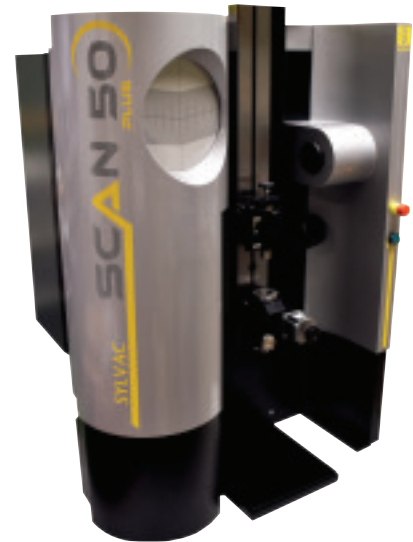
S-Scan 50 Plus Optical Measuring Machine for Turned Parts

A similar concept to the models S-Scan 25 and 50, these machines offer in addition a motorised axis used to incline the workpiece to the helix angle of the thread, thus allowing a true projected image of the thread form. This unique and exclusive Sylvac slewing system allows the operator to measure many more features on threads, such as minor diameter and root detail, on ball screws for example.

Delivery includes:

- Instrument according to technical specifications
- Part rotation
- 1 rotary headstock and slewing mechanism for thread measurement
- 1 tail stock
- 2 male centers
- PC, mouse, screen, keyboard
- Windows multilingual operating system
- Software Pro-Measure
- Manual

NEW



S-Scan 50 Plus Optical Measuring Machine for Turned Parts

Code	Description	Range (mm)	Resolution (mm)	Repeatability (µm)	Maximum Error (µm)	Special Introductory Price
30-902-5502	S-Scan 50 Plus	Diameter: 0.50 – 50, Length: 500	Diameter: 0.0001, Length: 0.001	Diameter: 1, Length: 2.5	Diameter: (2 + D/100), Length: (5 + L/100)	£45,578.00 K

Pricing: Whilst every effort is made to ensure accuracy and prices, the prices should be used as a guide only. We recommend you contact the sales office for exact pricing information.

For more information visit www.bowersgroup.co.uk
 Telephone: **08708 50 90 50** Email: sales@bowersgroup.co.uk