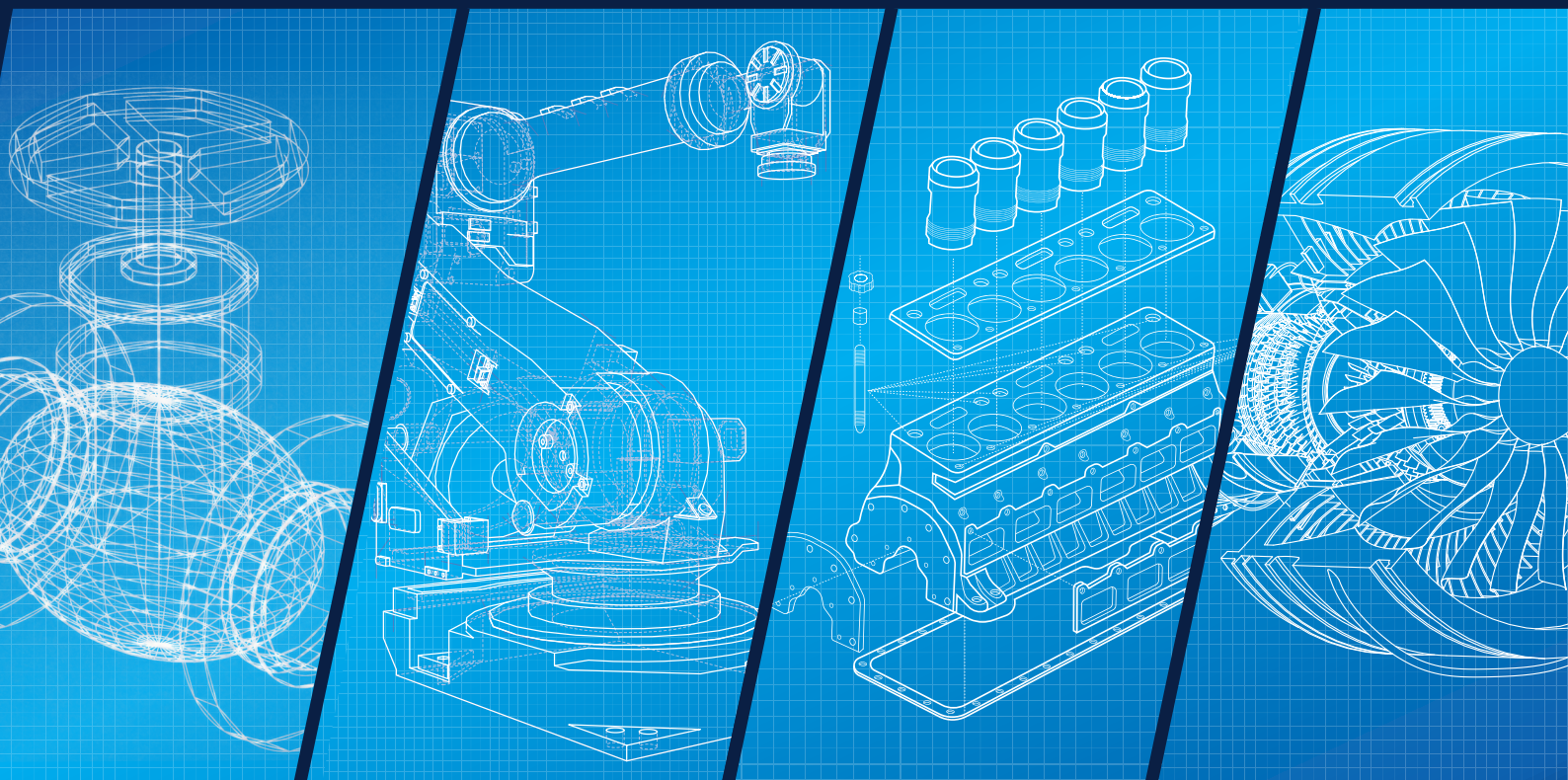




BOWERS GROUP

Special Offers



JANUARY 2021

VALID UNTIL JUNE 2021

Dear Customer

Welcome to the latest issue of our Special Offers promotion. Here at Bowers Group, we're lucky enough to be able to offer not only our own products, but a great selection of prestigious third-party measurement solutions to meet your metrology needs.

In addition to a selection of our own world-renowned Bowers bore gauges and MicroGauges, we are delighted to be able to offer great discounts on the Baty Venture XT CNC multi-sensor vision system, as well as the Swiss Made Trimos height gauges and A line Portable Arm.

We have a number of new products including the HAWK Rockwell hardness tester from INNOVATEST, the new Sylac S25 optical scan machine, and a great introductory offer on the new Wyler Clino range.

Our latest Special Offers also features some interesting examples of real-life customer applications. From details of how the Baty Venture XT has helped Williams Aerospace Engineering achieve a 96% increase in measurement efficiency, to how the INNOVATEST hardness tester has improved accuracy by 60% for bearing manufacturer NMB Minebea, our case studies illustrate exactly how Bowers Group has helped businesses to improve quality and accuracy, as well as efficiency.

Martin Hawkins



BOWERS GROUP

The Mobile Metrology Centre



Supporting UK Manufacturing with the Covid Secure MMC

We've been busy supporting businesses across the UK with our Mobile Metrology Centre, despite what has undoubtedly been a difficult few months for the manufacturing industry.

Our MMC is a self-contained mobile showroom which has been exclusively designed to be fully self-sufficient & Covid safe, meaning that we've still been able to allow our customers to explore the variety of measurement solutions on board. It's been an attractive prospect for many this year, as an MMC visit means there's no need to travel or to allow onsite visitors.

What's on Board?

Since we cannot pack all of our solutions into our MMC (we've tried!), we had to choose a few select favourites. These include the INNOVATEST Hardness Tester, the Baty Venture XT vision machine that can be used as a CMM, Microscope and highly accurate Profile Projector, and the Sylvac Scan 52 Optical Measuring Machine, a fast and precise horizontal optical measurement device specially designed for the workshop measurement of cylindrical parts close to the machine tool.

To book a Covid safe MMC visit, send an email to **bowersmmc@bowersgroup.co.uk** or call us on **08708 50 90 50**

Safe & Face-to-Face

We love nothing more than showing existing and potential customers the quality of our products, how to use them, and how well they work. Despite more business being conducted online now, we firmly believe that there's no substitute for a face to face demo with hands on product experience. With the MMC, there's no need to let Covid stop you resolving your measurement problems!



Bowers SXTDU-BT Digital - Extra Displays

Bowers' 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.

Features:

- New ergonomic design with larger and clearer LCD display
- IP67 Electronics
- Simple 2-button operation
- 4 preset memories
- Proximity output with built-in Bluetooth
- Bi-directional communication
- RS-232C output
- 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



See Bluetooth Software on Page 14



WiFi

Option

RS232

USB



15% OFF

SXTD5U-BT



DIGITAL BORE GAUGE

Code No (with BT)	Range (mm)	Measuring Heads	Setting Rings	Note	List Price	Special Offer Price
SXTD3U-BT	6-10	2	1	with 2 display units	£1,868.00	£1,588.00 D
SXTD4U-BT	10-20	3	2	with 3 display units	£2,143.00	£1,822.00 D
SXTD5U-BT	20-50	3	2	with 3 display units	£2,905.00	£2,470.00 D
SXTD6U-BT	50-100	3	2	with 3 display units	£3,432.00	£2,917.00 D

MicroGauge 2 Point Bore Gauge

The MicroGauge 2-point bore gauging system has been designed specifically for the measurement of small bores between 1.0-10.0mm. Featuring a digital readout and extremely compact overall dimensions, the MicroGauge is truly a pocket-sized instrument.

Digital readout and measuring head together are about the same size and format as a ballpoint pen which represents a big advantage for those needing to measure small precision parts and who need to have their gauge with them all the time.

The clear LCD display is easily set using only two buttons and results are shown with switchable 0.01/0.001/0.0005mm resolution. Data transfer is via Proximity-RS232 or Proximity-USB output.

The measuring heads are equipped with spherical hard-chromed contact points and are set in appropriate setting rings. Like all Bowers bore gauging products the MicroGauge system is available as individual instruments or as full sets. All setting rings are supplied as standard with UKAS certification.



Features:

- System range : 1-10mm
- New slimline digital display
- Switchable resolution 0.01/0.001/0.0005mm
- Simple 2-button operation
- Clear LCD display
- Data output : RS232 / USB proximity sensor
- Linearity : Diameter 1.0-1.5 max 2% of measuring travel, min 0.001mm.
Diameter 1.5-6 max 1% of measuring travel, min 0.001mm
- Repeatability : 0.001mm
- Available as individual instruments or sets
- UKAS-certificates as standard with all setting rings
- Hard-chromed ball-contacts
- Depth-stops available
- Stand available as an option - can be used with a standard 8mm shank indicator
- Graduation: 2-6mm range - 0.001mm. 0.080"-1/4" range: 0.0001"
- Graduation: 6-20mm range - 0.002mm. 1/4"-3/4" range: 0.0001"

10% OFF

SMG004M



MGSTOP1



BASIC SET

Code No	Range (mm)	List Price	Special Offer Price
SMG001M	0.95-1.55	£1,190.50	£1,071.00 H
SMG002M	1.50-2.45	£754.00	£679.00 H
SMG003M	2.25-4.25	£1,084.50	£976.00 H
SMG004M	3.65-6.35	£883.00	£795.00 H
SMG005M	6.15-10.35	£1,608.50	£1,448.00 H

DEPTH STOPS

Code No	Range (mm)	List Price	Special Offer Price
MGSTOP1	0.95-1.55	£23.50	£21.00 H
MGSTOP2	1.50-2.45	£23.50	£21.00 H
MGSTOP3	2.25-4.25	£23.50	£21.00 H
MGSTOP4	3.65-6.35	£23.50	£21.00 H
MGSTOP5	6.15-10.35	£47.00	£42.00 H

MICROGAUGE STANDS

Code No	Description	List Price	Special Offer Price
FTS001	Floating Table Stand	£861.50	£818.50 H
MGSA	MicroGauge Adapter	£64.00	£61.00 H

DATA CABLES

Code No	Description	List Price	Special Offer Price
30-926-6721	Sylvac Proximity USB Cable	£89.50	£85.00 I
25-604-064	Wireless Proximity Module Transmitter	£344.00	£327.00 I
25-604-001	USB Receiver	£429.50	£408.00 I

FTS001



For more information visit www.bowersgroup.co.uk

Intex Comparator Beam Gauge

Developed to measure both internal and external diameters and lengths, the Intex gauge's aluminium extrusion beam gives it a rigid yet lightweight quality, making it ideal for shop-floor environments. The simple release of a locking thumbscrew enables the gauge's measuring direction to be changed quickly and easily

Features:

- Lightweight and rigid
- Measuring ranges: 200-400mm, 400-600mm, 600-800mm, 800-1000mm
- Sizes over 1000mm available on request
- Internal and external measurement
- 2mm travel on moving contacts
- Adjustable fixed contacts with up to 250mm adjustment range
- Digital or analogue indicator available
- Hardened steel wear pads locate gauge onto component aiding repeatability and prolonging service life
- Setting master required to set the instrument
- Instrument supplied without tooling

 **Bluetooth**
SMART
Option

WiFi
Option

IOT
READY

RS232



**Up to 1000mm
Measuring Range**

**FREE SYLVAC
APP AVAILABLE**

**15%
OFF**



BASIC SET

Code No	Range (mm)	List Price	Special Offer Price	
INTEX01IND-BT	200-400	£1,764.50	£1,588.00	G
INTEX02IND-BT	400-600	£1,830.00	£1,647.00	G
INTEX03IND-BT	600-800	£1,896.50	£1,707.00	G
INTEX04IND-BT	800-1000	£1,961.00	£1,765.00	G

Baty Vision Systems - Venture 3030 XT CNC

The Venture XT- CNC has Fusion 3D software, a 300mm x 300mm x 200mm XYZ stage and includes a controller and 2 x 19 inch monitors.

Venture CNC models take the power of fusion software one stage further by completely automating the inspection process. Now advanced features like scanning and best fitting can be done quickly without taking up the time of skilled operators.

CNC programming is a simple teach and repeat process. Just measure the part once and a full CNC program is created automatically. The zoom lens can also be controlled so that magnification and auto focus changes are all recorded into the program.

CNC Functionality

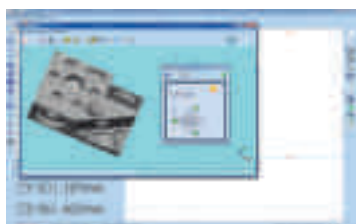
The use of a touch probe is optimised on a CNC system. Measurements from data points taken using the touch probe can be combined with those taken using video edge detection for optimum speed and reduced inspection times.

A probe changer rack can be installed so that probe modules fitted with a variety of pre-calibrated styli can also be used in the same inspection. When a change of stylus is required, the system automatically puts the current probe module back in the rack and picks up the next to continue the inspection process.

When programming using the touch probe, use only the minimum points required to define each element. Then simply edit in the optimum number of points for each element. The new probe path is then automatically created when the program is played, cutting down both programming and inspection time. Alternatively, features can be programmed directly from an imported 3D CAD model.

Features:

- Teach and Repeat programming
- Programmable segmented LED lighting
- 6.5:1 zoom optics (with optional CNC control)
- Optional 12x zoom optics
- High resolution 0.5µm scales for increased accuracy
- Optional CAD import / export
- Auto program from CAD
- DXF scanning and best fitting
- Fully dimensioned part view
- SPC included
- One click output to Excel™
- Autofocus
- 250mm x 125mm and 300mm x 300mm XY stages available



**FREE RENISHAW
TOOLCHANGER
WORTH £1,684**



VENTURE 3030XT CNC

Code No	Description	List Price	Special Offer Price
VI-3030-CNC-XT	Venture XT CNC with Fusion 3D software, 300mm x 300mm x 200mm stage, inc controller, 2 x 19" monitors and Renishaw TP20 Probe Kit	£33,160.00	£31,476.00
Additional Delivery, Install & Training cost required of £2,420			

Repro Rubber Metrology Grade Casting Material

Reprorubber offers numerous advantages over other hard-copy replicating materials:

- Quick casting – zero shrinkage
- No release agent required – will not stick to part
- Surface finish replication is exact with excellent optical properties easily checked on an optical comparator or video inspection machine
- Copies can be re-copied from original mould
- Replicas are permanent – will not leach out, ooze out, or gas out
- No more 16 hour cure time as with RTV silicones
- More accurate than all other RTV compounds

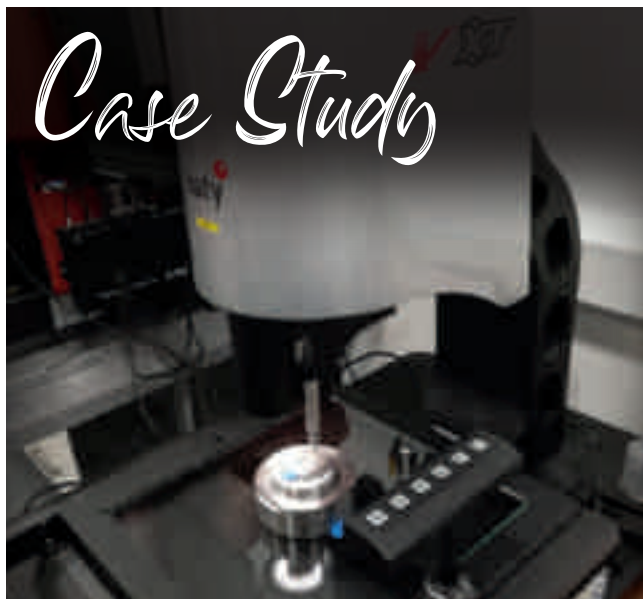
**5%
OFF**



REPRO RUBBER

Code No	Description	List Price	Special Offer Price
16300	Reprorubber Thin Pour (Green) Quick Dispense Cartridge System Kit Complete	£286.00	£270.00 0
16305	Reprorubber Orange (Medium Body) Quick Dispense Cartridge System Kit Complete	£286.00	£270.00 0
16309	Reprorubber Combo Kit Quick Dispense Cartridge System Kit, Includes 3 each Thin Pour & 3 each Orange	£286.00	£270.00 0

WILLIAMS AEROSPACE ENGINEERING



Baty Venture XT Achieves 96% Measurement Efficiency Increase for Williams Aerospace Engineering

Williams Aerospace Engineering has invested in a Baty Venture XT CNC Vision System to measure critical precision machined components manufactured at their facility in Northam, Southampton. Machined components are used in some of the most extreme environments, including aerospace, defence, nuclear, medical, Formula 1/performance sports car, and commercial markets.

One of the biggest challenges facing Williams Aerospace Engineering was the sheer amount of time it took to measure components and collate all the data for its customers. For example, for a customer with particularly high measurement requirements, it would take the quality department 1-2 days to measure the positions of 2 holes on a batch of 100 cover plates, in addition to having to input data to an Excel spreadsheet to customer requirements.

Since the investment in the Baty Venture XT CNC Vision System, this measurement process can now be completed in just 2 hours, which is a massive 96% increase in measurement efficiency. The inspection team at Williams Aerospace Engineering are able to load the fixture onto the machine, insert a part, recall the programme and teach the datum position, completing the batch of the same 100 parts within this much shorter timeframe.

“David Tripp said

“The Baty Venture XT helps to ensure our product quality by giving us a more consistent and repeatable measurement method. Once a program is written, the Venture is far more accurate than our old manual CMM, which is reliant on the points taken by the operator moving the probe by hand, rather than the CNC control on the Baty system. It is very easy to use and the camera resolution is far more accurate than a standard projector using surface illumination.”

David Tripp Managing Director at Williams Aerospace Engineering

”

Trimos V5 Manual / Motorised Height Gauge

The V5 vertical measuring instrument 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. The V5 is also 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. The V5 also has an air cushion.

Features

- Measuring ranges: 400, 700 and 1100mm
- Extremely easy to use
- Electronically adjustable measuring force
- Manual or motor-driven displacement
- Larger than 300mm probes as standard
- Vast range of accessories
- All adjustments possible without tools
- RS232 et USB interfaces

Trimos V4 Basic Manual Height Gauge

The V4 vertical measuring instruments have been developed for the most difficult workshop environments. Manufactured in Switzerland, they guarantee a robust, precise and reliable product. The RF version has a fine adjustment.

The display unit provides functions that are directly accessible and depicted with symbols that are easy to understand. This allows for easy and quick handling even by unqualified personnel. The large 2-line 'Black Mask' display offers an exceptional contrast in all lighting conditions, a unique characteristic on the market.

The V4 features Trimos' universal measuring column, benefiting from the very latest in product development. It is also equipped with a second probe holder as well as with an air cushion for easy displacement on the measuring table. The programmable functions buttons on the handle allow quick access to the most used functions.

Features

- Measuring range: 400mm and 700mm
- Extremely easy to use
- Electronically adjustable measuring force
- Autonomy: 40 h (lithium-ion batteries)
- Probes up to 450mm long available
- Vast range of accessories
- All adjustments possible without tools
- RS232 and USB interfaces

TRIMOS HEIGHT GAUGES			
Code No	Description	List Price	Special Offer Price
20-V5-400	0-400mm	£4,649.50	£4,185.00 I
20-V5-700	0-700mm	£5,439.00	£4,895.00 I
20-V5-1100	0-1100mm	£8,684.00	£7,816.00 I
20-V4-400	0-400mm	£3,533.50	£3,003.50 I
20-V4-700	0-700mm	£4,110.00	£3,494.00 I



New Portable Arm And Software

Trimos A-Line Portable Measuring Arm

The Trimos A3 portable inspection arm is extremely easy to use, it is flexible and accurate, thereby making 3D measurement simpler. The A3 arm enables the inspection and verification of a range of sizes, from the small to larger parts.

The six-axis configuration is available in both the 1300mm and the 1800mm measuring ranges. The carbon fibre construction and aluminium mount, with counterbalance, makes the A3 arm a very stable and light structure to operate.

Features:

- Measuring range up to 1800mm
- Easy to use portable measuring solution with Aberlink Software
- Carbon Fibre construction
- Mechanical probes with 4mm ruby sphere
- Internal Temperature Sensor
- 20mm Calibration Sphere with Magnetic support



Introductory Offer

5% off

NEW
PRODUCT



PORTABLE ARM

Code No	Range (mm)	Accuracy (mm)	Repeatability (mm)	Weight	Note	List Price	Special Offer Price
20-A3-1800	1800	Volumetric accuracy 0.018	0.008	10.4 kg	6 axes	£31,720.00	£29,999.00

Innovatest Hawk Nose Type Rockwell Tester

The Hawk series of Rockwell testers are a new range of hardness testers with a USP of a nose mounted indenter. The addition of the nose mounted load cell means that force is applied from directly above the indenter, this negates a "trenching" effect where the indenter can be dragged through the sample in the case of other testers where the load is applied through a lever arm.

Protruding nose Rockwell hardness testing machines providing "inside" testing capacity with unique new features. The HAWK series can test internal diameters as small as 22mm. Inside cylinders, pipes, bores, key-nuts, U shaped parts, nuts, bolts, spacers, cardan shafts, gear box parts, any parts with difficult to reach test spots or just on flat materials as any other Rockwell hardness tester could do. The long protruding nose allows you to reach test points as far as 165mm inside a bore or just on flat material like any other Rockwell hardness tester. The nose provides a throat depth of 200mm on models 250RS and 400RS-IMP. Hardness testing on any component without being hindered by a regular test head allowing an excellent overview on the workpiece.

INNOVATEST®

**NEW
PRODUCT**

W-HAWK-400RS



W-HAWK-651RS



HARDNESS TESTER FOR INTERNAL FEATURES

Code No	Testing Range	Dimn
W-HAWK-400RS	1kgf - 187.5kgf	360 x 600 x 915mm
W-HAWK-250RS	1kgf - 187.5kgf	360 x 600 x 765mm
W-HAWK-400RS-IMP	1kgf - 187.5kgf	360 x 600 x 915mm
W-HAWK-651RS	3kgf - 150kgf	535 x 740 x 1255mm
W-HAWK-652RS-IMP	1kgf - 187.5kgf	535 x 740 x 1255mm



For more information visit www.bowersgroup.co.uk

INNOVATEST Brinell BIOS Scan

The Innovatest BIOS Brinell indent measurement device is a handheld optical scanner that can be connected to a standard laptop, tablet or any other device running a Windows 10 operating system.

Different materials have different finishes; for Brinell fast light adjustment is mandatory. The scroll wheel provides an ultra-fast way of experimenting with light settings to get the correct one; this is then stored for the current application.

The BIOS™ has a camera and electronics that are built around a telecentric lens, with an adjustable direct LED light module that illuminates the shadow areas around the indents. This creates a high-resolution image for fast and repeatable measurement. The telecentric lens allows for the highest possible accuracy to be obtained time and again. No special skills are required to operate the BIOS, making this an easy tool for any operator to utilise.

The Innovatest Bios system is designed to make the daily testing of Brinell indents faster, more accurate and reliable. Data can be saved in a CSV file, for a simple import to MS applications such as Word and Excel for further analysis or reporting. Laptop not included.

Features:

- Simple easy operation
- Fast and easy connection to a Window 10 Laptop or tablet
- High performance Image allowing highest possible accuracy
- Results export to CSV file and other windows software
- Suitable for Brinell Indents 10, 5, 2 & 1mm



BIOS SCAN SYSTEM

Code No	Description	List Price	Special Offer Price
W-BIOSSCAN-1	Brinell Impression Optical Scanner Less 10%	£5,526.50	£4,974.00 I

NMB MINEBEA



60% Increase in Hardness Testing Accuracy for Bearing Manufacturer with INNOVATEST Falcon 507

Bowers Group provided NMB Minebea UK Ltd with an INNOVATEST Falcon 507 Vickers, Knoop & Brinell Hardness Tester to ensure accurate testing of manufactured parts. The Falcon hardness tester has enabled NMB Minebea UK Ltd to increase its PTP testing results from Class 3 to Class 1, deliver a faster turnaround of samples, and dramatically increase the accuracy of the tests carried out.

NMB Minebea UK Ltd manufactures a variety of cold form parts for aerospace and military, including bearings and landing gear. Producing world class precision engineered products means that testing and quality assurance is key to NMB Minebea UK Ltd's success, and a variety of performance testing is carried out in its dedicated metallogical lab.

NMB Minebea UK Ltd can now test to ASTM and British Standards on the hardness tester, validate paperwork, and export all results to Microsoft Windows.

“Jason Woodhouse said

“Since investing in the Falcon, the accuracy of our hardness testing has improved by 60%. It's not just accurate, it's really simple and easy to use too.”

Jason Woodhouse Laboratory Manager at NMB Minebea UK Ltd

”

Fifty Years Promotion

Sylvac BT Digital Caliper 50 Years Promotion

Features:

- Integrated Bluetooth® Wireless Technology
- Extra-large display
- Programmable to your needs
- Rated to IP67
- Automatic wake up and sleep mode

**50%
OFF**



SYLVAC BT DIGITAL CALIPER 50 YEARS PROMOTION

Code No	Range (mm)	Accuracy (µm)	Protection Rating	Output	Functions	List Price	Special Offer Price
30-810-1506/50	150	20	IP67	Bluetooth Wireless Technology	Zero setting, preset (max 999.99), mm/inch, Hold, Data	£194.00	£98.50 C

Sylvac S Dial Test Smart Indicator

The Sylvac S_Dial TEST Smart indicator is now available with integrated Bluetooth technology. This is currently unique in the market and an advancement in Industry 4.0 technology.

Features:

- Integrated BT
- New internal mechanism without gears eliminating hysteresis errors
- IP54 Rated
- Two interchangeable contact points 12.5mm and 36.5mm
- Display can be rotated through 270° without any need for resetting
- Three button interface including favourite button
- Adjustable display and larger digits, 8mm from 6mm
- Analogue Display Option



**10%
OFF**



SYLVAC S DIAL TEST SMART INDICATOR

Code No	Range (mm)	Accuracy (µm)	Repeatability (µm)	Resolution (mm)	Protection Rating	Output	Contact Radius	List Price	Special Offer Price
30-805-4321	0.8	3	1	0.001	IP54	Bluetooth	12.5	£465.00	£418.50 Q
30-805-4322	2.0	8	1	0.001	IP54	Bluetooth	36.5	£526.00	£473.50 Q
30-805-4323	0.8 / 2.0	3 / 8	1	0.001	IP54	Bluetooth	12.5 / 36.5	£572.00	£515.00 Q

For more information visit www.bowersgroup.co.uk

Sylvac Hi_Cal Digital Motorised Bluetooth Height Gauge



The Sylvac Hi_Cal Digital Motorised Height Gauge 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.

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 and standard probe
- Bluetooth Compatible

10% OFF

Compatible with
Sylvac Sylcom
see page 14



HEIGHT GAUGES

Code No	Description	Range (mm)	Range (inch)	Application Range (mm)	Application Range (inch)	Accuracy (mm)	Repeatability (µm)	Height (mm)	Weight (kg)	Resolution (mm)	List Price	Special Offer Price	
30-830-0156	Bluetooth Enabled	150	6	0-155	6	2.5 + L / 175	2	379	3.9kg	0.01 / 0.001	£2,716.50	£2,445.00	I
30-830-0306	Bluetooth Enabled	300	12	0-320	12	2.5 + L / 175	2	529	4.6kg	0.01 / 0.001	£2,963.50	£2,667.50	I
30-830-0456	Bluetooth Enabled	450	18	0-470	19	2.5 + L / 175	2	679	6.8kg	0.01 / 0.001	£3,467.00	£3,120.50	I

New Sylcom Software Solution - 10% Off

The latest software from Sylvac. Sylcom allows a connection between most of the Sylvac instruments, either by USB or Bluetooth. the universal software can be used to display values in different modes, to upload the drawings of parts with dimensions, to show the agreed level of tolerances and to show the pass / fail readings. All of this data can be exported out to Excel for use in reports. The Sylcom Advance Package allows connection to multiple probes and instruments via the M-bus modules.

Sylcom Standard

- Can connect up to 16 different devices, 8 if using Bluetooth
- Can export data to Excel
- Has tolerances and control limits, selectable display mode, multigauges mode, sequence mode, user management and configuration of digital indicator menu

Sylcom Advanced

- Can link up to 128 devices or 40 BT devices (5 Dongles 8 Instruments per Dongle)
- Software requirements: Windows 7 /8.1/ 10 64-Bit processor
- Hardware requirements: From Intel i5 and 4Gb RAM (8Gb recommended)

Sylcom Pro

- As Sylcom Advanced Plus
- Inspection Plans
- SPC
- Action Scripts

30-981-7132



**10%
OFF**



30-981-7245



SYLVAC SYLCOM

Code No	Description	List Price	Special Offer Price
30-981-7132	Sylcom Standard	£580.50	£522.50 I
30-981-7232	Sylcom Advanced	£827.50	£745.00 I
30-981-7245	Sylcom Pro	£1,198.00	£1,078.50 I

For more information visit www.bowersgroup.co.uk

Sylvac Scan S25T

The all new Sylvac-Scan S25T, the latest addition to optical measuring systems from Sylvac. Using the latest Sylvac-Scan technology, this high resolution, high accuracy machine is ideal for rapid measurement of small cylindrical parts up to 26mm diameter and 200mm in length, such as, watch parts, dental implants, bone-screws, automotive, aerospace and general cylindrical parts where inspection time and accuracy matters.

Features:

- High resolution and high accuracy <1µm diameters / <3µm length
- Moving optics with tilt 0-30° for comprehensive thread measurement
- Scan speed 60mm/s, move 120mm/s,
- Full 2D scan of part in 3 seconds!
- High resolution rotary axis 0.0003°
- Compact design W450 x D520 x H590mm (desktop)
- Easy to use yet powerful Reflex-Scan+ software
- New touch pad operator control panel for ease of use on the shop floor (In addition to standard PC)
- New custom thread wizard software
- Automation ready, motorised tailstock, I/O connectivity and pneumatic preparation
- Quick release tooling with ISO MT2 adaptor
- Dynamic LED status bar (classification, status & tailstock force)



PRICES FROM
£41,450

PLUS INSTALL TRAINING AND DELIVERY

**NEW
PRODUCT**

New Operator Interfaces



SYLVAC SCAN S25T

Code No	Description	Range (mm)	Capacity (inch)	Maximum Error (µm)	Repeatability (µm)	Weight	Dimm
30-902-4025	Sylvac Scan S25T	Ø - 26mm, Length - 200mm	Ø - 51mm, Length - 200mm	Ø - 1.0 + D/100, Length -3.0 + L/200	Ø - 0.5, Length - 0.8	60	450 x 520 x 590

Case Study



QUALITURN PRODUCTS LTD

Qualiturn Reduces Turned Part Inspection Time to Seconds with Sylvac Scan F60T

Qualiturn Products Ltd has reduced the inspection time of its turned parts to just seconds using the Sylvac Scan F60T optical measurement centre. Located in Hertford, Qualiturn Products Ltd is one of the leading suppliers of precision mill-turned components in the UK.

Many of the parts manufactured by Qualiturn are required to meet exceptionally high levels of accuracy and tight tolerances. Manufactured components range from those used by hobbyists, parts for the electronics industry, as well as medical products that require strict process traceability and assurances of consistent quality.

Non-Contact Measurement of Cylindrical Turned Parts

As the sole distributor for Sylvac products in the UK, Bowers Group provided Qualiturn with a Sylvac Scan F60T. Designed especially for the non-contact measurement of cylindrical turned parts, this sophisticated optical measurement centre was the perfect solution for Qualiturn.

The Sylvac Scan is used by staff at Qualiturn to capture measurements at various stages of the production process; from first off measurements, checks during production, and for final part inspection. It has successfully allowed Qualiturn to increase productivity with a significant reduction in inspection time; providing fast, accurate and repeatable measurement for manufactured components.

Multiple Measurements and Easy Data Output

The Sylvac Scan enables Qualiturn to carry out a complete component scan in under 3 seconds, taking multiple precision measurements at the same time, and with easy data output. Able to accommodate a measuring range of 64mm diameter and 300mm in length, and a scanning speed of 100mm per second, the Sylvac Scan enables all parts to be measured quickly and accurately. This enhanced measurement capability not only increases the speed of measurement, but also the return on investment.



“Nick Groom said

“We’ve made a commitment at Qualiturn to update our processes in a way that makes everything much more efficient, and the Sylvac Scan has been a key tool in achieving that. Measurements are so fast they’re practically instant, increasing our speed of measurement immeasurably, and adding the reassurance of consistent process and quality. Anyone can load the machine with a part for measurement and get the same answer every time. It completely removes the problem of human error, in turn significantly raising accuracy and quality levels.

We carried out a capability study on the Sylvac Scan F60T, and found such a massive improvement that it made perfect sense for us to invest. The Sylvac Scan F60T allows us to set up and save measurement programmes that can be repeated for the job life of the components that we produce. This reassurance of process is invaluable to us. We’ve made a commitment at Qualiturn to update our processes in a way that makes everything much more efficient, and the Sylvac Scan has been a key tool in achieving that.

We were able to transfer our old measurement programmes onto the new scan centre with ease, essentially allowing us to pick up where we left off, and the support from Bowers Group was excellent during this process.

Nick Groom Managing Director at Qualiturn Products Ltd

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NEW Wyler Clino Range



WylerCLINO instruments are portable precision inclinometers for inclinations $\pm 10^\circ$ or 60° (formerly BlueCLINO).

Features:

Updated Hardware and Firmware, new Bluetooth connectivity makes it compatible with the whole Wyler BT range of equipment as well as all the new Wyler Software from this point forward.

- Large and very easy-to-read colour display
- Radio transmission, based on Bluetooth technology
- Various colour profiles can be chosen
- Various display methods are available, e.g. bar graphs or spirit levels can be chosen
- All current inclination measuring units can be indicated
- Simple zero-adjustment with the integrated software and a reversal measurement
- Powered by standard 1.5V batteries, rechargeable batteries or with mains adapter
- Fulfils the strict CE requirements (immunity against electromagnetic smog)
- The instrument can be adjusted to local gravitation

Introductory Offer
5% off



**NEW
PRODUCT**



NEW WYLER CLINO RANGE

Code No	Description	List Price	Special Offer Price
60-2-150-2201-5210	NEW WylerCLINO $\pm 10^\circ$ Cast Iron	£4,944.00	£4,697.00 I
60-2-150-4401-5210	NEW WylerCLINO $\pm 10^\circ$ Cast Iron with magnetic inserts	£5,734.50	£5,448.00 I
60-2-150-2201-5160	NEW WylerCLINO $\pm 60^\circ$ Ground Cast Iron	£3,668.50	£3,485.00 I
60-2-150-4401-5160	NEW WylerCLINO $\pm 60^\circ$ Ground Cast Iron Ground with magnetic inserts	£4,459.50	£4,237.00 I
60-2-150-2201-5360	NEW WylerCLINO $\pm 60^\circ$ Aluminium Hard Anodised	£3,668.50	£3,485.00 I
60-2-150-4401-5360	NEW WylerCLINO $\pm 60^\circ$ Aluminium Hard Anodised with magnetic inserts	£4,459.50	£4,237.00 I

WYLERCONNECT PC INTERFACE AND DATA COLLECTION

Code No	Description	List Price	Special Offer Price
60-029-0001-002	WylerCONNECT - PC interface with Trigger	£831.00	£789.00 I
60-029-INSERT-L1	WylerINSERT - Data collection software for Wyler electronic levels	£592.50	£562.00 I



Case Study

D TURNER

WYLER Bluetooth Inclinometers Provide Socially Distanced Measurement Solution for Machinery Removals Company

WYLER's UK agent Bowers Group has provided D. Turner & Son Ltd with the WYLER BlueSYSTEM, a modular family of digital inclinometers perfect for machine alignment. Based in Middleton, Greater Manchester, D. Turner & Son specialises in the safe transportation of a diverse range of heavy machinery, plant and equipment throughout the UK and Europe.

The WYLER BlueSYSTEM has enabled D. Turner & Son to carry out thorough accuracy and geometry checks during the process of dismantling, relocating and repositioning machine tools. Measurements are immediate; and can be shared between members of the team using Bluetooth.

Immediate Measurement Results

As part of its machine removals services, D. Turner & Son must carefully dismantle, relocate and reposition large machine tools with several important components. Moving such high value machines is a delicate process, and each axis must be carefully considered to ensure minimal disruption to the machinery and its components.

Before a machine is dismantled, D. Turner & Son must evaluate its geometry and accuracy. A thorough analysis means that when the machine is reassembled, a similar or even better accuracy can be achieved. In the event that a business isn't getting the best out of their machine, a thorough accuracy and geometry check allows D. Turner & Son to assess what the problem might be, or simply what can be improved on.

Precision Spirit Levels & Inclination Measurement

The BlueSYSTEM supplied to D. Turner & Son consists of two BlueLEVEL measuring instruments and a BlueMETER Sigma display unit, and is used for the measurement of straightness, flatness, squareness as well as machine geometry and machine rotations. BlueSYSTEM Sigma combines high accuracy ($0.001\text{mm/m} = 0.2 \text{ arcsec}$) with the robustness required in the machine tool business, and the user-friendly wylerSPEC software enables users to achieve the required accuracy of their machine and to record it afterwards.

Staff at D. Turner & Son were previously using either spirit or dial levels to carry out the above checks, and although the accuracy levels were fairly consistent and accurate, the reading were not always immediate. As a result, they decided to upgrade their levels and invest in a faster solution.

“Lee Turner said

“The main benefit is that the WYLER Blue system is that it is much quicker and more efficient; it enables us to get immediate results. We're chasing microns here, and always aiming for the highest levels of accuracy. The WYLER enables us to achieve this. It's a very welcome step up in equipment for us. We recently carried out a machine installation and carried out final level checks on a Doosan DBC130L. It was easy with our WYLER Blue System.

The Bluetooth feature is great because everyone can see the results immediately, rather than individual members of staff having to go and read each level. We only need one member of staff to take a fast, accurate measurement now, rather than two using the previous method. Obviously, this is really useful given the current situation with Covid-19; we get a perfect measurement whilst keeping to social distancing rules!”

Lee Turner Director at D. Turner & Son

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Work Smart with Magnets



Our sister company Eclipse Magnetics offer a range of off-the shelf or bespoke magnets and magnetic equipment to overcome everyday challenges. Their range provides an opportunity to save time, money or improve safety in your day to day business.

Magnetic Lifting & Handling Systems

The safest way to lift steel items

- Features fail-safe magnetic technology
- Single-person operation
- Greater lift control/placement
- Single face load engagement
- Increased lifts per hour

Magnetic Workholding

Off the shelf or bespoke magnets or complete assemblies

- Choose from a wide range of material options
- Experts in delivering customised projects
- Choose from a wide range of surface finishes & components

Magnetic Filtration

For cleaner, longer lasting machine tool fluids

- Significantly reduced use of consumable filters
- Fine particle filtration performance
- Reduced consumable waste disposal
- Enhanced surface finish, product quality
- Reduced tool wear and breakages

Magnetic Workholding

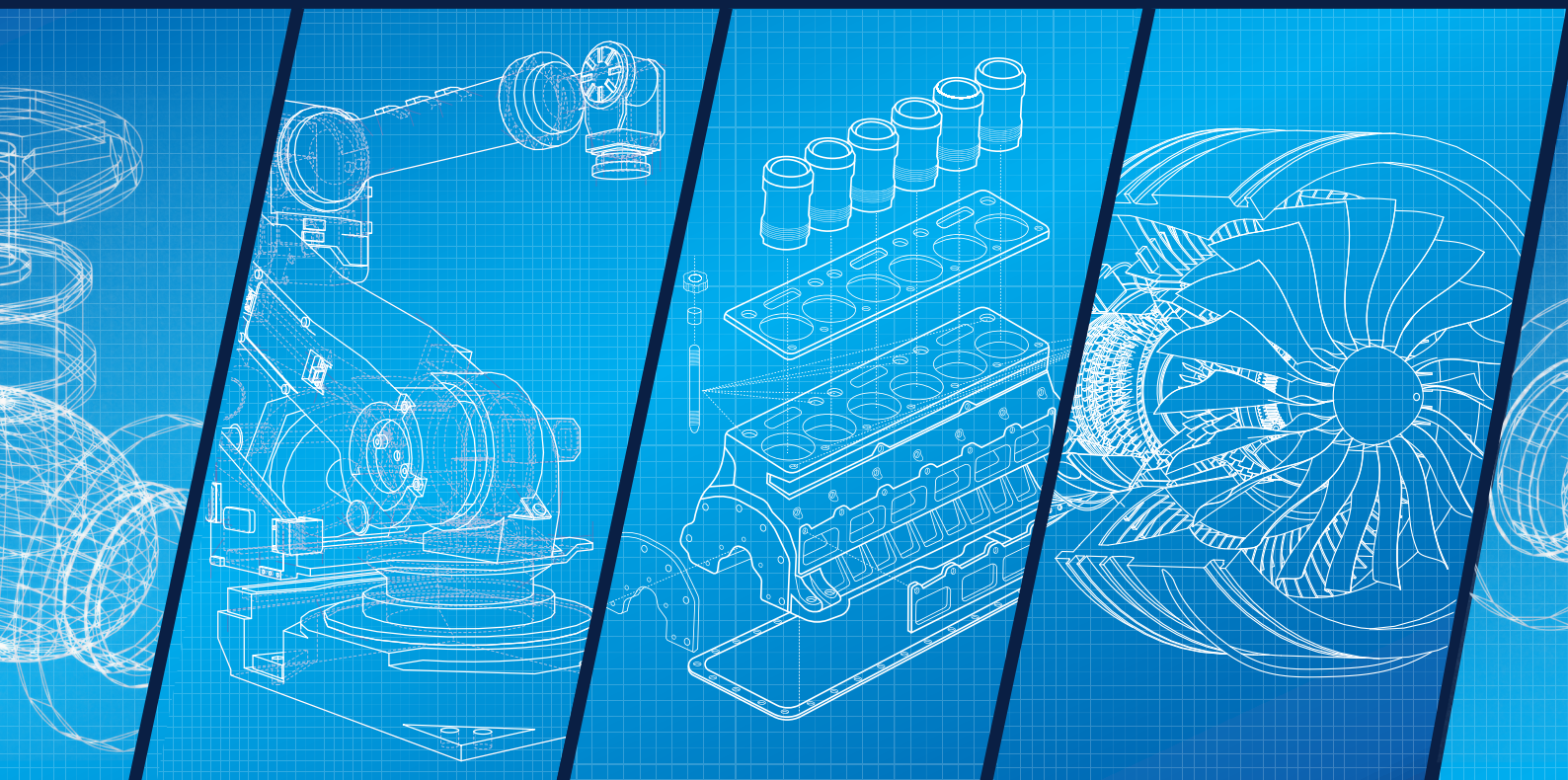
A high performance range of grinding and surface finishing

- Faster set up, feed rates achievable
- Instant, single face clamping
- Allows 5 face access to the workpiece
- 100% consistent clamping
- Eliminates vibration



If you have a project you wish to discuss please contact :- sales@eclipsemagnetics.com or Tel: 0114 2250600





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