HEXAGON

Product catalogue

Absolute Tracker systems and accessories

Version 4.2





This catalogue contains the complete range of products and accessories available for Absolute Tracker systems from Hexagon. Whatever the industry or application, the Absolute Tracker has a solution. All of our products and accessories offer the same premium quality and practical design you would expect from a Swiss made product.



Visit our shop

| shop.hexagonmi.com

Hexagon's Manufacturing Intelligence online shop offers a streamlined search, order and delivery service for a wide range of accessories and spare parts in many countries worldwide.

- Quickly find the right inspection solution with the shop's state-of-the-art search function (filter by price, radius, thread and other criteria to pinpoint the exact product required).
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Whether you're buying single items or in bulk, shop.hexagonmi.com takes the time and stress out of securing the measuring equipment you need.

Please direct any questions about Hexagon products or accessories to an authorised local sales representative to receive guidance and assistance in making an appropriate purchasing decision.

Important note

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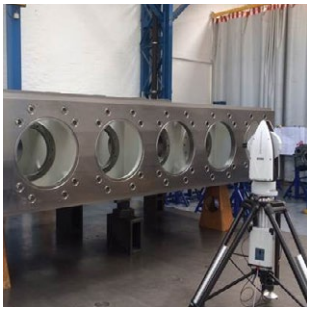
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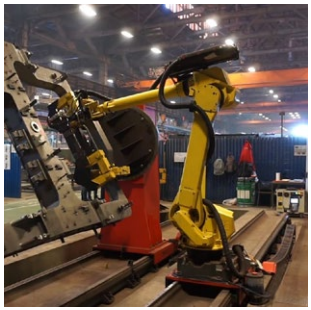
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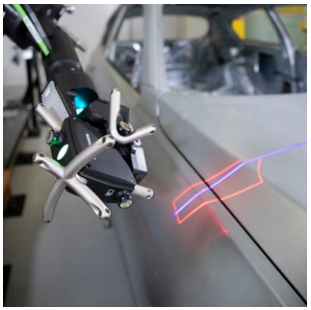




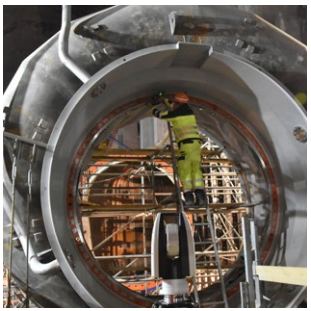
Probing

Scanning

Automation







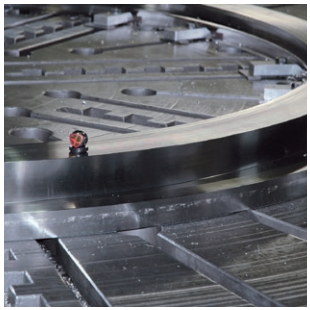
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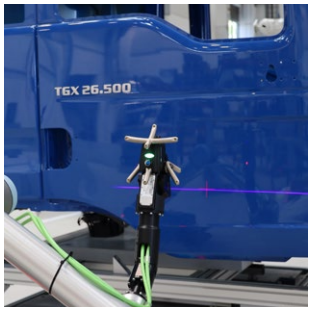






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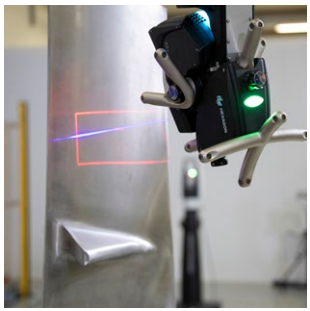
Optimisation of manufacturing process












LEICA ABSOLUTE TRACKER
HEXAGON

Absolute Tracker systems

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The Absolute Tracker

The foundation of absolute accuracy

The unmatched productivity and portability of the Absolute Tracker range is founded on innovative technologies that make it the pinnacle of high-performance metrology on the move.

Absolute accuracy

- The Absolute Interferometer (AIFM) combines the accuracy of an absolute distance meter (ADM) with the speed of an interferometer
- The TruePoint Interferometer delivers high-accuracy direct scanning
- Scanning accuracy to within as little as 50 microns
- Reflector single-point accuracy to within 20 microns
- Patented Absolute Encoders ensure angular accuracy performance with no referencing before use
- Systems calibrated in ISO 170250-certified laboratories for accuracy specified in line with ISO 10360-10 standard

Absolute productivity

- Non-contact measurement data collected at up to 1.2 million points and 300 lines per second
- FeatureDetect automatic feature recognition
- Orient-to-Gravity for levelling and alignment tasks
- Ultra-large measurement volumes of up to 320 metres in diameter
- Real-time architecture with dynamic performance delivers 1000 Hertz data rate
- Hidden-point measurement with a wireless probe can reduce measurement process time by up to 80 percent

Absolute reliability

- Integrated MeteoStation environmental monitoring unit
- IEC-certified IP54 sealed unit for challenging environments. Wide operating temperature range of -15 to +50 degrees Celsius
- Integrated mini variozoom delivers a constant field of view in any light conditions
- Full 24-month factory warranty and guaranteed ten years of serviceability

Absolute portability

- All-in-one integrated design
- Built-in WiFi with true access point functionality
- Batteries compliant to IATA regulations
- Independent hot-swappable battery power supply
- Convenient flight cases for simple transportation

Our laser trackers

A tracker for every application

Laser trackers come in a range of shapes and sizes and are based on various technological foundations. These are ours, and together they represent a wider range of application solutions than is offered by any other manufacturer.

Leica Absolute Tracker AT960
The flagship of the Absolute Tracker range, offering full 6DoF measuring functionality capable of powering both manual and automated inspection and production systems.

Leica Absolute Tracker AT930
Our premium 3D tracker, for high-accuracy reflector measurements that can support a range of applications.

Leica Absolute Tracker ATS800
Our premium direct scanning laser tracker, combining reflector measurements with high-accuracy contactless measurements of features and edges.

Leica Absolute Tracker ATS600
The groundbreaking direct scanning laser tracker, delivering metrology-grade measurement from a distance of up to 60 metres.

Leica Absolute Tracker AT500
An ultra-long-range tracker designed for measurement anywhere and best-in-class usability.

Leica Absolute Tracker AT960



576865 **Leica Absolute Tracker AT960-SR**
Short-range 6DoF laser tracker system based on Absolute Interferometer.
Reflector measurement range up to 6 m, with probing range up to 5 m.

The system consists of:
- 6DoF laser tracker unit AT960-SR
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC51 AT930/AT960/ATS600 Transport Container (576891)
- AT9x0 Controller (577431)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable - 1.5 m (576885)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector - 1.5"" (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*

576864 **Leica Absolute Tracker AT960-MR**
Mid-range 6DoF laser tracker system based on Absolute Interferometer.
Reflector measurement range up to 20 m, with probing range up to 10 m.

The system consists of:
- 6DoF laser tracker unit AT960-MR
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC51 AT930/AT960/ATS600 Transport Container (576891)
- AT9x0 Controller (577431)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable - 1.5 m (576885)
- MCA134 LAN-Cable RJ-45 Cat6 - 5 m (575899)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector (RRR) - 1.5" (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*

*The 24-month factory warranty period is conditional on the performance of annual maintenance and recertification.

Leica Absolute Tracker AT960

576863 **Leica Absolute Tracker AT960-LR**
Long-range 6DoF laser tracker system based on Absolute Interferometer.
Reflector measurement range up to 80 m, with probing range up to 20 m.

The system consists of:
- 6DoF laser tracker unit AT960-LR
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC51 AT930/AT960/ATS600 Transport Container (576891)
- AT9x0 Controller (577431)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable - 1.5 m (576885)
- MCA134 LAN-Cable RJ-45 Cat6 - 5 m (575899)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector (RRR) - 1.5” (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*

576862 **Leica Absolute Tracker AT960-XR**
Extended-range 6DoF laser tracker system based on Absolute Interferometer.
Reflector measurement range up to 80 m, with probing range up to 30 m.

The system consists of:
- 6DoF laser tracker unit AT960-XR
- Calibration Certificate Metrology Gold (827624)
- MTC51 AT930/AT960/ATS600 Transport Container (576891)
- AT9x0 Controller (577431)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable - 1.5 m (576885)
- MCA134 LAN-Cable RJ-45 Cat6 - 5 m (575899)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector (RRR) - 1.5” (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*



Leica Absolute Tracker AT930



576861 **Leica Absolute Tracker AT930**
3D laser tracker system based on Absolute Interferometer.
Reflector measurement range up to 80 m.

The system consists of:
- 3D laser tracker unit, AT930
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC51 AT930/AT960/ATS600 Transport Container (576891)
- AT9x0 Controller (577431)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable - 1.5 m (576885)
- MCA134 LAN-Cable RJ-45 Cat6 - 5 m (575899)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector - 1.5” (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*

*The 24-month factory warranty period is conditional on the performance of annual maintenance and calibration.

Leica Absolute Tracker AT500



577440

Leica Absolute Tracker AT500
3D laser tracker system based on Absolute Distance Meter technology.

The system consists of:
- Leica Absolute Tracker AT500 device
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC135 Transport Container (577446)
- MPS134 Power Supply Unit (577407)
- 2 GEB364 Batteries (954519)
- 2 GKL311 Charger Pro 3000 (799185)
- AT Remote Control 400 (576379)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor 2 m (576888)
- MCA134 LAN-Cable RJ-45 Cat6 (575899)
- Red-Ring Reflector (RRR) 1.5'' (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*



6017710

AT500 Probing System
Absolute Tracker AT500 laser tracker bundled with B-Probe^{plus}.

The system consists of:
- Leica Absolute Tracker AT500 (577440)
- Leica B-Probe^{plus} device (577477)
- MTC135 Transport Container (577446)
- MPS134 Power Supply Unit (577407)
- 2 GEB364 Batteries (954519)
- 2 GKL311 Charger Pro 3000 (799185)
- AT Remote Control 400 (576379)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor 2 m (576888)
- MCA134 LAN-Cable RJ-45 Cat6 (575899)
- Red-Ring Reflector (RRR) 1.5'' (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 55 mm 0.5" Steel Ball Stylus (576514)
- MAP59 100mm M5 Stylus Extension (576517)
- B-Probe Stylus Compensation Tool (576512)
- 4 AAA batteries
- Transportation case
- 24-month warranty*

Leica Absolute Tracker ATS800



6018633 **Leica Absolute Tracker ATS800**
Laser tracker system with high-accuracy direct scanning capability. Direct scanning distance range up to 40 m, reflector distance range up to 40 m.

The system consists of:
- Scanning laser tracker unit ATS800
- ATS800 Controller (577433)
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC51 Absolute Tracker Transport Container (576891)
- MPS134 Power Supply Unit (577407)
- MCS148 Sensor Cable - 1.5 m (577413)
- AT Quick Release Mount incl.Hook Wrench (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector (RRR) - 1.5" (575784)
- MAC179 1.5'' Reference Sphere - d=38.1 mm (577451)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- MCA134 LAN-Cable RJ-45 Cat6 - 5 m (575899)
- 24-month warranty*

*The 24-month factory warranty period is conditional on the performance of annual maintenance and calibration.

Leica Absolute Tracker ATS600



576971

Leica Absolute Tracker ATS600
Laser tracker system with direct scanning capability. Direct scanning distance range up to 60 m, reflector distance range up to 80 m.

The system consists of:
- Scanning laser tracker unit ATS600
- ISO 17025 Calibration Certificate based on ISO 10360-10
- MTC51 AT930/960/ATS600 Transport Container (576891)
- ATS600 Controller (577432)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable - 1.5 m (576885)
- MCA134 LAN-Cable RJ-45 Cat6 - 5 m (575899)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor - 2 m (576888)
- Red Ring Reflector (RRR) - 1.5” (575784)
- MAC87 Reference Sphere - d=90 mm (576947)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover (827057)
- 24-month warranty*


HEXAGON
AS1

Scanning solutions

Absolute Scanner AS1 Kit 18

Absolute Scanner AS1-XL Kit 19

Absolute Scanner Bundle 20

Absolute Scanner AS1 21

Absolute Scanner AS1-XL 21

Absolute Scanner AS1 Kit | Absolute Positioner AP21 Kit



577366 **Absolute Scanner AS1 Kit**

The system consists of:
- Absolute Scanner AS1 (577367), incl. ISO 17025 compliant Calibration Certificate
- Absolute Positioner AP21 (577369)
- MAP102 Grip (577370)
- AT Connect Box CB21 (577377)
- MCA110 Positioner Sensor Cable - 10 m (577379)
- MCA24 Battery Cable - 0.75 m (576876)
- MCA114 Trigger/Probe Cable - 0.75 m (855240)
- MCA115 LAN-cable RJ-45 Cat6 - 0.75 m (577384)
- MAC133 Reference Sphere - d=25.4 mm (577401)
- MAP116 Positioner Horizontal Holder (577385)
- MAP144 Positioner Clip Support (577404)
- MSI26 Universal ATC Stand Fixture (576895)
- MTC118 Absolute Scanner Trolley Case (577387)
- 24-Month Warranty*

Compatibility: AT960



577368 **Absolute Positioner AP21 Kit**

The Absolute Positioner AP21 Kit consists of:
- Absolute Positioner AP21 (577369), incl. Certificate
- MAP102 Grip (577370)
- AT Connect Box CB21 (577377)
- MCA110 Positioner Sensor Cable - 10 m (577379) or
- MCA111 Positioner Sensor Cable - 20 m (577380)
- MCA24 Battery Cable - 0.75 m (576876)
- MCA114 Trigger/Probe Cable - 0.75 m (855240)
- MCA115 LAN-cable RJ-45 Cat6 - 0.75 m (577384)
- MAP116 Positioner Horizontal Holder (577385)
- MAP144 Positioner Clip Support (577404)
- MSI26 Universal ATC Stand Fixture (576895)
- MTC118 Absolute Scanner Trolley Case (577387)
- 24-Month Warranty*

Compatibility: AT960, AS1, AS1-XL

*The 24-month factory warranty period is conditional on the performance of maintenance and recertification. This must be performed at your local Hexagon Service Center between the 10th and 14th month following the delivery of the system.

Absolute Scanner AS1-XL Kit



577403 **Absolute Scanner AS1-XL Kit**

The Absolute Scanner AS1-XL consists of:
- Absolute Scanner AS1-XL (577402), incl. ISO 17025 compliant Calibration Certificate
- Absolute Positioner AP21 (577369)
- MAP102 Grip (577370)
- AT Connect Box CB21 (577377)
- MCA111 Positioner Sensor Cable - 20 m (577380)
- MCA24 Battery Cable - 0.75 m (576876)
- MCA114 Trigger/Probe Cable - 0.75 m (855240)
- MCA115 LAN-cable RJ-45 Cat6 - 0.75 m (577384)
- MAC87 Reference Sphere - d-90 mm (576947)
- MAP116 Positioner Horizontal Holder (577385)
- MAP144 Positioner Clip Support (577404)
- MSI26 Universal ATC Stand Fixture (576895)
- MTC118 Absolute Scanner Trolley Case (577387)
- 24-Month Warranty*

Compatibility: AT960

Absolute Scanner Bundle



577405 **Absolute Scanner Bundle (AS1 and AS1-XL)**
Pair of Absolute Scanners for AT960 systems.

Bundle consists of:
- Absolute Scanner AS1 (577367), incl. Certificate
- Absolute Scanner AS1-XL (577402), incl. Certificate
- Absolute Positioner AP21 (577369)
- MAP102 Grip (577370)
- AT Connect Box CB21 (577377)
- MCA111 Positioner Sensor Cable - 20 m (577380)
- MCA24 Battery Cable - 0.75m (576876)
- MCA114 Trigger/Probe Cable - 0.75 m (855240)
- MCA115 LAN-cable RJ-45 Cat6 - 0.75 m (577384)
- MAC133 Reference Sphere - d=25.4 mm (577401)
- MAC87 Reference Sphere - d=90 mm (576947)
- MAP116 Positioner Horizontal Holder (577385)
- MAP144 Positioner Clip Support (577404)
- MSI26 Universal ATC Stand Fixture (576895)
- MTC118 Absolute Scanner Trolley Case (577387)
- 24-Month Warranty*

Compatibility: AT960

*The 24-month factory warranty period is conditional on the performance of maintenance and recertification. This must be performed at your local Hexagon Service Center between the 10th and 14th month following the delivery of the system.

Absolute Scanner AS1 | Absolute Scanner AS1-XL



577367 **Absolute Scanner AS1**

The Absolute Scanner AS1 consists of:
- Absolute Scanner AS1 (577367), incl. Certificate
- MAC133 Reference Sphere - d=25.4 mm (577401)
- 24-Month Warranty*

Compatibility: AT960, AP21 Kit, Absolute Arm RA8 V2, Absolute Arm RA8 V3



577402 **Absolute Scanner AS1-XL**

The Absolute Scanner AS1-XL consists of:
- Absolute Scanner AS1-XL (577402), incl. ISO 17025 compliant Calibration Certificate
- MAC87 Reference Sphere - d=90 mm (576947)
- MAP144 Positioner Clip Support (577404)
- 24-Month Warranty*

Compatibility: AT960, AP21 Kit, Absolute Arm RA8 V2, Absolute Arm RA8 V3


Jetta

Probing solutions

Leica T-Probe 24

B-Probe^{Plus} 24

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Leica T-Probe | B-Probe^{plus}



576186

Leica T-Probe III
Portable wireless probing system for AT960 systems. A light-weight measurement probe with configurable function buttons allows measurements in small and large measurement volumes with minimal preparation time. The measurement range of the T-Probe is up to 30 metres in all directions.

The system consists of:
- Wireless probing sensor T-Probe (576186) incl. certificate and transport case
- T-Probe Stylus Adaptor –M5 (576212)
- Ruby Ball Stylus d=6 mm –M5 (576221)
- 2x Stylus Tool for M5 Threaded Styli (576225)
- MAC34 T-Probe Stylus Compensation Tool (576899)
- T-Probe Battery Charger (734195)
- 2 T-Probe Spare Battery (575983)

Compatibility: AT960



577477

Leica B-Probe^{plus}
Entry-level portable wireless probing solution for the Absolute Tracker AT500.

The Leica B-Probe^{plus} consists of:
- Leica B-Probe^{plus} device
- 55 mm 0.5” Steel Ball Stylus (576514)
- MAP59 100mm M5 Stylus Extension (576517)
- B-Probe^{plus} Stylus Compensation Tool (576512)
- 4 AAA batteries
- Transportation case
- 24-month warranty*

Compatibility: AT500

* The 24-month factory warranty period is conditional on the performance of annual maintenance and calibration.

Styli and extensions



576231

T-Probe styli kit
Recommended styli kit for Leica T-Probe

The kit consists of:
- Scribe Stylus r=0.1 mm - M2 (576219)
- Ruby Ball Stylus d=3 mm - M5 (576220)
- Ruby Ball Stylus d=6 mm - M5 (576221)
- Ceramic Hemispherical Stylus d=0.5 in, M5 (576143)
- Ceramic Hemispherical Stylus d=1.5 in, M5 (576144)
- Stylus Extension 100 mm - M5 - carbon fibre - stem d=20 mm (576213)
- Stylus Extension 200 mm - M5 - carbon fibre - stem d=20 mm (576214)
- Stylus Extension 40 mm - M5 - carbon - stem d=11 mm (576217)
- 2x T-Probe Stylus Adaptor - M5 (576212)
- 2x Stylus Tool for M2-M3 Threaded Styli (576223)
- 2x Stylus Tool for M5 Threaded Styli (576225)
- Stylus Adaptor M5-M2 (576226)
- T-Probe Styli Kit Case for Standard Configuration (576211)



576211

T-Probe Styli Kit Case for Standard Configuration
Only case included. Accessories to be ordered separately.



576212

T-Probe Stylus Adaptor - M5
Precision quick release adaptor for T-Probe styli to remove and attach styli without recalibration.
The stylus adaptor has built-in intelligence supporting stylus self-identification.

Stylus Extension



576213 100 mm - M5 - carbon fibre - stem d=20 mm
576214 200 mm - M5 - carbon fibre - stem d=20 mm
576215 400 mm - M5 - carbon fibre - stem d=20 mm
576216 600 mm - M5 - carbon fibre - stem d=20 mm

576217 40 mm - M5 - carbon fibre - stem d=11 mm
576218 100 mm - M5 - carbon fibre - stem d=11 mm

Styli and extensions



576219 **Scribe Stylus - r=0.1 mm - M2**



576220 **Ruby Ball Stylus - d=3 mm - M5**



576221 **Ruby Ball Stylus - d=6 mm - M5**



576248 **Cylindrical Stylus 22.5 mm - d=3 mm - M2**



576222 **Edge Stylus M5**
Comes with edge sphere 0.5”, magnetic stylus M5 and compensation sphere 0.5”.



576223 **Stylus Tool for M2 and M3 Threaded Styli**



576224 **Stylus Tool for M4 Threaded Styli**



576225 **Stylus Tool for M5 Threaded Styli**

Styli and extensions



576226 **Stylus Adaptor M5/M2**
An adaptor for connecting M2-threaded styli to a M5 connector.



576227 **Stylus Adaptor M5/M4**
An adaptor for connecting M4-threaded styli to a M5 connector.



576228 **Stylus Adaptor M4/M5**
An adaptor for connecting M5-threaded styli to a M4 connector.



Ceramic Hemispherical
Compatibility: AT960

576143 Stylus d=0.5” - M5
576144 Stylus d=1.5” - M5



576403 **Punch Tool - M5**
A stylus used for punching scribe lines on an object for the next manufacturing process.



576408 **Punch Tool Replacement Tip**
Replacement Tip (M4 Thread) for Punch Tool - M5 (576403).



577356 **Adaptor for T-Probe**
90-degree adaptor with M5f/M5m thread. Compatible with all M5 stylus and CFK extensions. Used for 90-degree stylus configurations with Leica T-Probe and B-Probe^{plus}.



576514 **Steel Ball Stylus**
M5 d=0.5” - L=55 mm


HEXAGON
AS1

Automation solutions

Leica T-Mac 30

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Leica T-Mac



576400

T-Mac Basic TMC30-B
T-Mac is a specific developed sensor using Hexagon's 6DoF technology to extend product offering. T-Mac is designed to be used in combination with robots and large machines especially for positioning with high accuracy. T-Mac has the possibility to mount it on a robot or machine and the housing already has 4 reflector nests included. These reflector positions can be used to establish a local coordinate system for object orientation or robot alignment. As an option a tool exchange interface from Sandvick can be adapted.

The system consists of:
- T-Mac basic TMC30-B (576400) including certificate and transportation case
- T-Probe cable - 20 m (575973)

Compatibility: AT960



576410

T-Mac Inspect TMC30-I
The T-Mac is a 6DoF machine control probe for use with the Absolute Tracker AT900 series trackers and T-Cam's. The TMC30-I is the deluxe version of the probe for machine positioning, alignment, calibration and all inspection tasks (such as touch trigger).

The system consists of:
- T-Mac Inspect TMC30-I (576410) including certificate and transportation case
- T-Probe cable, 20 m (575973)

Note: The T-Mac Inspect cable must be ordered separately (10 m - 576509, 30 m - 576510).

Compatibility: AT960



576396

Leica T-Mac Multiface TMC30-M
The T-Mac Multiface is a 6DoF machine control probe for use with any 6 DoF laser tracker. The TMC30-M is the multiface version of the TMC30-I for machine positioning, alignment, calibration and all inspection tasks (such as touch trigger measurement).

The system consists of:
- TMC30-M sensor, including certificate and transportation case
- Leica T-Probe cable - 20 m (575973)

Note: T-Mac Inspect cable (576509, 576510) must be ordered separately.

Compatibility: AT960

Leica T-Mac



576398

T-Mac Frame TMC30-F
The T-Mac Frame TMC30-F is a configurable 6DoF machine control probe for use with any Hexagon 6 DoF laser tracker. The TMC30-F can be used to create customised multisided probe configurations with anywhere from 1 to 4 frames (faces). The T-Mac Frame TMC30-F can be used to extend angular measuring range of the T-Mac Frame TMC30-F Starter Kit (576397) or an existing T-Mac Basic TMC30-B (576400) or T-Mac Inspect TMC30-I (576410). For TMC30-B or TMC30-I the Frame extension interface for T-Mac (5003434) is needed (orderable from Laser Tracker Service Unterentfelden, Switzerland, please contact ps.ch@hexagonmetrology.com).

The system consists of:
- T-Mac Frame TMC30-F (576398) incl. certificate and cardboard transportation box
- Connection Cable T-Mac/CPU Box, 0.6 m or 1.8 m (804823, 804824)

Note: The T-Mac Frame TMC30-F does NOT include a mount for touch trigger inspection device. Please refer to 576395 Upgrade TMC30-F to Inspect.

Compatibility: AT960



576397

T-Mac Frame TMC30-F Starter Kit
The T-Mac Frame TMC30-F Starter Kit is a configurable 6DoF machine control probe for use with any Hexagon 6 DoF Laser tracker. The T-Mac TMC30-F Starter Kit can be used to create customised multisided probe configurations with anywhere from 1 to 4 frames (faces). To the T-Mac Frame TMC30-F Starter Kit up to 3 additional T-Mac Frames TMC30-F (576398) can be connected in addition.

The system Kit consists of:
- T-Mac Frame TMC30-F (576398) incl. certificate and cardboard transportation box
- CPU Box for TMC30-F (805143)
- T-Probe Cable, 20 m (575973)
- Connection Cable T-Mac/CPU Box, 0.6 m or 1.8 m (804823, 804824).

Compatibility: AT960



875900

Automation Frame T-Probe III
The Automation Frame T-Probe consists of:
- Leica T-Probe III (576186)
- Automation Frame

The Automation Frame is factory fitted on the T-Probe III. The Automation Frame enables wireless 6DoF use cases involving fixing the T-Probe III on a robot.

Compatibility: AT960

Accessories for automation solutions



576406

Automation Interface Controller
The Automation Interface Controller provides handling capabilities of up to four laser trackers and multiple measurement devices such as T-Mac, or external trigger source. Its digital I/O interface allows for bidirectional communication to a robotic or machine controller.

Includes: Product CD, power cable and 5 m LAN cable (575899).

Compatibility: AT960



576964

Automation Switch Controller MAA99
The Automation Switch Controller (ASC) is a device for automatically switching the probe and probe/trigger cable from one tracker to another and/or from one target to another. The ASC provides four pairs of probe and probe/ trigger sockets for laser tracker connections and four pairs of probe and probe/trigger sockets for target (probe) connections. The ASC is a device that enables the use of multiple laser trackers and accessories in any combination, for example an Absolute Scanner AS1 or a Leica T-Mac could be connected to different laser trackers to optimise accessibility.

Compatibility: AT960, AS1, AS1-XL, T-MAC, T-Scan 5



576872

RTFP-EC Real Time Feature Pack - EtherCAT
The Real Time Feature Pack (RTFP) for AT930/960 Absolute Tracker (AT9x0 Controller) is designed to provide cyclic measurement data in real-time over the EtherCAT industrial fieldbus protocol. The RTFP acts as a slave in the external automation
bus system.

Note: The RTFP can be fitted in the factory or service Unterentfelden only.

Compatibility: AT930, AT960



577373

Interface Adaptor AP21 - MAA105
Consisting of:
- Interface Adaptor AP21 - MAA105 (577373)
- Torque wrench 2.0 Nm (928792)
- Screw Set 8 x M4 x 14 12.9 ISO 4762
- Autom. Adaptor Instruction Sheet-EN - MAA146 (939299)

Compatibility: AT960, AS1, AS1-XL

Accessories for automation solutions



577374 **Straight Adaptor - 139 mm - MAA106**
Consisting of:
- Straight Adaptor - 139 mm - MAA106 (577374)
- Autom. Adaptor Instruction Sheet-EN - MAA146 (939299)

Compatibility: AT960, AS1, AS1-XL



577375 **45° Adaptor - 67 mm - MAA107**
Consisting of:
- 45° Adaptor - 67 mm - MAA107 (577375)
- Screw Set 3 x M4 x 25 ISO 4762
- Autom. Adaptor Instruction Sheet-EN - MAA146 (939299)

Compatibility: AT960, AS1, AS1-XL



577376 **ToolChanger/Robot Flange - MAA108**
Consisting of:
- MAA108 ToolChanger/Robot Flange (577376)
- Screw Set 8 x M4 x 10 ISO 4762
- Autom. Adaptor Instruction Sheet-EN - MAA146 (939299)

Compatibility: AT960, AS1, AS1-XL



577411 **Automation WRTL single unit - MAA142**
The Automation WRTL (Wireless Real Time Link 2.4GHz) kit enables wireless scanning applications by transmitting trigger signals and probe data between the Leica Absolute Tracker AT960 and the Absolute Scanner AS1. The WRTL device connects on one side to the laser tracker AT9x0 Controller and on the other side to the laser scanner's AT Connect Box CB21.

For a wireless automation configuration, 2 MAA142 Autom. WRTL devices and 2 MCA114 Trigger/Probe Cables (855240) are required. The second MMA142 and the cables must be ordered separately.

Compatibility: AT960, AS1, AS1-XL



577412 **Automation WRTL kit - MAA142**

The kit consists of:
- 2x MAA142 Autom. WRTL (577411)
- 2x MCA114 Trigger/Probe Cable - 0.75m (855240)

Compatibility: AT960, AS1, AS1-XL

Accessories for automation solutions



577406

Extension Interface Adaptor AP21 - MAA146
For scanning hidden areas with an externally mounted Absolute Scanner AS1. The Extension Interface Adaptor is used in conjunction with an Absolute Scanner AS1, Absolute Positioner AP21 and Automation Scanning Extensions - parts to be ordered separately.

Consisting of:
- MAA146 Extension Interface Adaptor AP21
- Screw Set 16 x M4 x 14 12.9 ISO 4762
- Screwdriver with torque adaptor (2 Nm)
- Mini ratchet wrench
- Bit with ball end for Hexagon SW3mm
- MAA146 Mounting Instruction Sheet-EN

Compatibility: AT960, AS1



577408

Automation Scanning Extension - 200 mm - MAA154
For scanning hidden areas with an externally mounted Absolute Scanner AS1. The extension is used in conjunction with an Absolute Scanner AS1, Absolute Positioner AP21 and MAA146 Extension Interface Adaptor AP21 - parts to be ordered separately.

Consisting of:
- Automation Scanning Extension - 200 mm - MAA154
- Mounting Instruction Sheet-EN - MAA146

Compatibility: AT960, AS1

Accessories for automation solutions



577409

Automation Scanning Extension - 500 mm - MAA155
For scanning hidden areas with an externally mounted Absolute Scanner AS1. The extension is used in conjunction with an Absolute Scanner AS1, Absolute Positioner AP21 and MAA146 Extension Interface Adaptor AP21 - parts to be ordered separately.

Consisting of:
- Automation Scanning Extension - 500 mm - MAA155
- Mounting Instruction Sheet-EN - MAA146

Compatibility: AT960, AS1



577410

Automation Scanning Extension - 800 mm - MAA156
For scanning hidden areas with an externally mounted Absolute Scanner AS1. The extension is used in conjunction with an Absolute Scanner AS1, Absolute Positioner AP21 and MAA146 Extension Interface Adaptor AP21 - parts to be ordered separately.

Consisting of:
- Automation Scanning Extension - 800 mm
- Automation Adaptor Instruction Sheet-EN - MAA146 (939299)

Compatibility: AT960, AS1

Accessories for automation solutions



577378

Top Hat Rail Adaptor - MAA109
Adaptor can carry the following articles:
- AT Connect Box CB21 (577377)
- AT9x0 Controller (577431)
- MPB25 Battery (576875), MPB100 Battery (576965)
- MAS168 Power Supply Unit Fixture (576920)

Adaptor is compatible with the following top hat rails:
- IEC/EN 60715 – 35 × 7.5 and IEC/EN 60715 – 35 × 15

Compatibility: AT960, AS1



Automation GigE-Data Cable
Cable for connecting the Automation Signal Splitter GigE/Probe (577396) to a robot adaptor and tool changer. The cable is equipped with M12 x-coded male plugs. To extend the cable length a MCA128 Automation M12 Gender Changer - F (577397) is required (to be ordered separately). The maximum supported cable length is 80 m with up to maximum 6 plug connections. The cable has a length of 10 m and is green.

	MCA119 - 10 m
577388	MCA120 - 30 m
577389	MCA121 - 50 m
577390	

Compatibility: AT960, AS1



Automation Probe-Data Cable
Cable for connecting the Automation Signal Splitter GigE/Probe (577396) to a robot adaptor and tool changer. The cable is equipped with M12 x-coded male plugs. To extend the cable length a MCA128 Automation M12 Gender Changer - F (577397) is required (to be ordered separately). The maximum supported cable length is 80 m with up to maximum 6 plug connections. The cable is black.

577391	MCA122 - 10 m
577392	MCA123 - 30 m
577393	MCA124 - 50 m

Compatibility: AT960, AS1

Accessories for automation solutions



577394 **Automation GigE-Data Cable MCA125 - 0.5 m**
Cable for connecting the tool changer (robot side) and the robot adaptor (577371, 577372). The cable is equipped with M12 x-coded male plugs. The cable has a length of 0.5 m and is green.

Compatibility: AT960, AS1



577395 **Automation Probe-Data Cable MCA126 - 0.5 m**
Cable for connecting the tool changer (robot side) and the robot adaptor (577371, 577372). The cable is equipped with M12 x-coded male plugs. The cable has a length of 0.5 m and is black.

Compatibility: AT960, AS1



577397 **Automation M12 Gender Changer MCA128 – F**
Gender Changer connects any of the Automation GigE- or Probe-Data Cables (577388-577395). It's used to extend the cable configuration. The two Automation M12 Gender Changer - F have M12 x-coded female sockets and are delivered with a wall bracket.

Compatibility: AT960, AS1



577398
577399 **Automation Robot I/O Cable**
Cable for connecting the AT Connect Box CB21 (577377) with the robot or NC machine controller. The cable has a Lemo Type B plug (CB21 side) and 19 open wires - labelled (robotic side).

MCA129 - 20 m
MCA130 - 50 m

Compatibility: AT960, AS1

The automation accessories shown in this catalogue are only a selection of the larger range of solutions offered.
For detailed system configurations (e.g. machine adaptors, cables, etc.), please contact your local commercial operation or system integrator.

Accessories for automation solutions



576196

Automation Sensor Cable MCA44 - 10 m
The MCA44 Automation Sensor Cable 10 m connecting the T-Mac Inspect (22pin T-Scan ODU-female connector) to the Automation Interface Controller (576406) or to the Automation Multiplex Box (576407).

Compatibility: AT960, T-Mac



T-Mac Inspect TMC30-I Cable
For connecting the TMC30-I to the Automation Interface Controller 576406 or MUX box 576407 directly.

576509 10 m
576510 30 m

Automation Robot Cable
For Connecting the Automation Interface Controller 576406 to the Robotic or NC Machine controller.

576505 20 m
576506 50 m

Accessories for automation solutions



576878 **Automation Trigger/Probe Y-Cable MCA48**
The MCA48 connecting the AT960 Tracker Controller with the Automation Interface Controller (576406). The y-ends of the cable must be extended with the standard T-Probe Cable (575972, 575973, 576185) and Trigger Cable (576507, 576508) to be ordered separately.

Automation Interface Cable
connecting the Automation Interface Controller (576406) to the Automation Multiplex Box (576407).

576929 MCA77 - 30 m
576879 MCA49 - 50 m

576931 **T-Mac cable MCA78 - 1.0 m**
with ODU connector (male sensor side)



577396 **Autom. Signal Splitter GigE/Probe MCA127**
Cable junction for separating GigE and probe data. The splitter is equipped with M12 x-coded female sockets. The sockets are colour coded green/black for GigE/Probe cables. The splitter plugs into the scanner socket of the AT Connect Box CB21 (577377).

Compatibility: AT960, AS1


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Tracker mounting solutions



6009768

Stand Set MST27
Set consists of
- Stand Tube Extension MST27 (576881)
- Absolute Tracker Stand (575997)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576881

Stand Tube Extension MST27
Designed for AT930/960 or ATS600 systems. Fits on the Absolute Tracker Stand (575997) (to be ordered separately).

Compatibility: AT930, AT960, ATS800, ATS600, AT500



575997

Absolute Tracker Stand
Equipped with three levelling screws and shock absorbing wheels.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Tracker mounting solutions



576901

Portable Metrology Tripod (Carbon) MST36
Collapsible tripod with carbon legs designed for Absolute Tracker and Absolute Arms.

Tripod consists of:
- Integrated bulls eye level and 1 kit of pad feet
- Instrument adaptor for AT930/960 or Absolute Arm (3.5”x8 thread)
- 3 integrated fixture positions for AT9x0 Controller (577431, 576368) or MPB25, battery external Li-Ion 37V/8.1Ah (576875)

Adjustable height: 83 - 118 cm.| Weight: 14.2 kg

Compatibility: AT500, AT930, AT960, ATS800, ATS600



576919

Tripod Levelling Kit MAS70
Used on MST36 Tripod (576901) to establish a gravity-based coordinate system when measurements require a 3D device. Installation requires a simple hand adjustment to insert the levelling screw above the point or pad foot on each leg. The compact design adds only 17 mm of leg length in the retracted position while providing a large 19 mm precision adjustment range. A knurled sleeve provides the delicate touch needed to set level, eliminating any awkward locking mechanisms to disturb the instrument orientation. The all metal construction assures dependable operation in any measurement environment. Sold in sets of 3. Weight: 0.3 kg each

Note: Wheel Assembly Kit (576904) will not operate with the Tripod Levelling it installed.



576905

Tripod Transportation Kit MAS53
When shipping or packing requirements call for more protection, the MAS53 Tripod Transportation Kit nests the MST36 Portable Metrology Tripod (576901) and MAS54, Tripod Padded Bag (576906) into an ATA rated travel case for easy and safe transportation. This black injection molded plastic case has tilt wheels with a tow handle for easy pull-behind transport. A padlockable watertight lid is included for added security. Dimensions (outside): 114.5 cm x 40.6 cm x 33.0 cm. Weight (empty): 5.9 kg.

Compatibility: AT500, AT930, AT960, ATS800, ATS600



576906

Tripod Padded Bag MAS54
Add a durable black carrying bag for easy transport to and from the jobsite. This rugged nylon bag has padded sides and a structured bottom to protect the stand and accessories. Three convenient carrying options include handles, a shoulder strap, and built-in wheels with a tow handle. The wide mouth, double zippered opening makes for easy packing and unpacking.
Dimensions: 101.6 cm x 30.5 cm x 30.5 cm.

Tracker mounting solutions



577420

Portable Precision Carbon Tripod MST138
Ideal lightweight carbon tripod for AT930/960, ATS600, AT500 and Absolute Arms.

The system has the following features:
- Foldable tripod with carbon legs
- Height scale on center leg
- 3 integrated fixed positions for AT9x0 Controller/ATS600 Controller or external batteries MPB25/MPB100
- Thread: 3.5x8''
- Min. height: 79 cm
- Max. height: 131 cm
- Weight: 14.5 kg
- Max. load: 100 kg

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577421

Portable Precision Aluminium Tripod MST139
Ideal aluminium tripod for with AT930/960, ATS600, AT500 and Absolute Arms.

The system has the following features:
- Foldable tripod with aluminium legs
- Height scale on center leg
- 3 integrated fixed positions for AT9x0 Controller/ATS600 Controller or external batteries MPB25/MPB100
- Thread: 3.5x8''
- Min. height: 79 cm
- Max. height: 131 cm
- Weight: 15.5 kg
- Max. load: 100 kg

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577423

Tripod Transportation Case MAS141
The MAS141 Tripod Transportation Case can hold:
- MST138 Portable Precision Carbon Tripod (577420)
- MST139 Portable Precision Aluminium Tripod (577421)
- MAS145 Height Extension 750 mm for Tripods and Stands (577424)

Dimensions: L= 98 cm, W= 41 cm, H= 33 cm
Empty weight: 9.5 kg

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Tracker mounting solutions



577424

Height Extension 750 mm for Tripod MAS145
The MAS145 height extension can be used with MST139/139 tripods for working heights of up to 2.4 m or to MST27 Tracker Stand.
The MAS145 height extension fits to any tripod or stand with a 3.5x8” thread.
-Weight: 5.9 kg

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576920

Power Supply Unit Fixture MAS168
Fixture to hold a power supply unit by attaching to the stand, keeping the power supply off the ground. Holds the following power supply units:
- MPS134 Power Supply Unit (576873)
- AC/DC Adaptor 15V (773058)

Attaches to following stands/fixtures: MST27 Stand Tube Extension (576881), MST36 Portable Metrology Tripod Carbon (576901), MSI26 Universal ATC Stand Fixture (576895)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576895

Universal ATC Stand Fixture MSI26
Universal stand fixture for AT9x0 Controller with reusable Velcro strap (0.52 m). Compatible with AT9x0 Controller (577431, 576368), ATS600 Controller (577432), MPB25, Battery external Li-Ion 37V/8.1Ah (576875)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576952

Levelling Unit MAL177
The MAL177 Levelling Unit can be used for the tracker's fine levelling when an Orient-to-Gravity setup is needed. The MAL177 features 2 lockable elements for adjusting the laser tracker's inclination. The MAL177 is compatible with any instrument stand* featuring a 3.5" X 8 thread. A foam inlay that can be used for the modification of the transportation containers of the MST138 and MST139 tripods is also part of the delivery scope.

MAL177 Levelling Unit weight: 2.7 kg (5.95 lbs)
Total weight including foam inlay: 2.85 kg (6.28 lbs)

*Reduced motor parameters setting required for MST36 and MST27 stands.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576338

AT Quick Release Mount
For mounting an Absolute Tracker on the AT Stand Extension (576337), AT Mounting Plate (576336) or any other compatible instrument stand with 3.5”x8 thread adaptor.

Compatibility: AT500, AT930, AT960, ATS800, ATS600

Tracker mounting solutions



576349

Aluminium Tripod AT08
Light-weight tripod with 3.5''x8 thread for easy demos, increased portability and reduction of total system weight. Suitable for all Absolute Tracker systems and Absolute Arm systems up to 3.5 m length.
The tripod interface is compatible with the AT Quick Release Mount (576338).

Tripod height (working position): 815 mm (fixed)
Dimensions: 25 x 25 x 100 cm (folded) | Weight: 12 kg

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577425

Instrument Adaptor MSI157 3.5”
The MSI157 adaptor converts the 5/8”-11 thread into a 3.5x8” external thread.
The MSI157 adaptor fits on any tripod or stand with a 5/8”-11 thread.

Compatibility: ATS800, ATS600, AT500



577422

Instrument Adaptor MSI140 5/8’’
The MSI140 adaptor converts the 3.5x8’’ thread into a 5/8’’-11 external thread for mounting an Absolute Tracker AT403 or Theodolite. The MSI140 adaptor fits on any tripod or stand with a 3.5x8’’ thread.

Compatibility: TM6100A

Tracker mounting solutions



577352

AT Base Plate Type B
Base plate with adjustable machine feet for levelling for Absolute Trackers. Includes 3.5''x8 thread for Quick Release. Quick Release is not included. Type B is delivered with non-slip rubber-type machine feet. All stainless-steel finish.
Plate height: approx. 60 mm | Weight: 10 kg.

Note: For sensors with 5/8'' treads use Adaptor MIS140 (577422) (not included)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577353

AT Base Plate Type C
Base plate with adjustable machine feet for levelling for Absolute Trackers. Includes 3.5''x8 thread for Quick Release. Quick Release is not included. Type C is delivered with stainless-steel type machine feet. All stainless-steel finish.
Plate height: approx. 60 mm | Weight: 10 kg.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577355

Pointed Screw Kit for AT Base Plates - 80 mm
Conversion kit with pointed-tip feet for Base Plate Types B and C. Stainless steel.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Tracker mounting solutions



576336 **AT Mounting Plate**
Allows for mounting Absolute Tracker systems onto machine beds. Does not include AT Quick Release Mount (576338).

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576339 **AT Magnetic Mount**
Allows for mounting Absolute Tracker systems onto a magnetic surface. Does not include AT Quick Release Mount (576338) and AT Mounting Plate (576336).

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576940 **Wall Mount Fixture 0°/180° MAS80**
Fixture for upright or inverted adaptation of Absolute Tracker systems onto concrete walls or structures. Adaptation of Leica Quick Release. Integrated safety lever for Quick Release handle.

Fixture contents:
- Installation instructions
- MAS80 Wall Mount
- Set of screws for adaptation of Quick Release and washers and heavy duty anchors for concrete walls
- Set of cable ties for sensor cables

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576941 **Wall Mount Fixture 35° MAS81**
Fixture for inclined installation of Absolute Trackers onto concrete walls or structures. Adaptation of Leica Quick Release. Integrated safety lever for Quick Release handle.

Fixture Content:
- Installation instructions
- MAS81 Wall Mount
- Set of screws for adaptation of Quick Release, washers and heavy duty anchors for concrete walls
- Set of cable ties for sensor cables

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Scanner holders



577385 **Horizontal Positioner Holder MAP116**
Horizontal Positioner holds the Absolute Positioner AP21 with its sensor attached in a safety position.

Compatibility: AT960, AS1, AS1-XL



577404 **Positioner Clip Support MAP144**
Positioner Clip clips to the MAP102 Grip and holds the Absolute Positioner AP21 with its sensor attached in a temporary position.

Compatibility: AT960, AS1, AS1-XL



577370 **Grip MAP102**
MAP102 Grip mounts onto the Absolute Positioner AP21.

Compatibility: AT960, AS1, AS1-XL


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Reflectors and holders

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Reflectors



575784 **Red Ring Reflector (RRR) - 1.5”**
Stainless steel, surface-hardened, magnetic corner-cube reflector with removable ring, protective cover for optics and certificate. Delivered in wooden box.

Compatibility: AT500, AT930, AT960, ATS800, ATS600



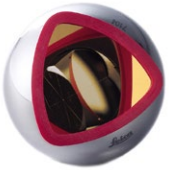
576311 **Red Ring Reflector (RRR) - 7/8”**
Stainless steel, hardened, magnetic corner-cube reflector with removable ring, protective cover for optics and certificate. Delivered in wooden box.

Compatibility: AT500, AT930, AT960, ATS800, ATS600



575739 **Red Ring Reflector (RRR) - 0.5”**
Stainless steel, surface-hardened, magnetic, corner-cube reflector with removable ring, protective cover for optics and certificate. Delivered in wooden box.

Compatibility: AT500, AT930, AT960, ATS800, ATS600



576244 **Break Resistant Reflector (BRR) - 1.5”**
Stainless steel, surface-hardened, magnetic reflector with collar protection cover for optics and certificate. Delivered in wooden box.

Compatibility: AT500, AT930, AT960, ATS800, ATS600



577465 **Drop Resistant Reflector (DRR) - 1.5''**
Drop resistant corner-cube reflector with titanium inlay.
Radius: 19.05 mm +/- 0.00x mm
Centring of optics: < +/- 0.008 mm
Roundness (ball): <= 0.00x mm
Acceptance angle: +/- 30 deg
Material ball: Stainless steel, surface-hardened, magnetic
Weight: 170 g

Compatibility: AT930, AT960, AT500, ATS800, ATS600



577466 **Green Ring Reflector (GRR) - 1.5'', 2-pack**
Pack of 2 entry level corner-cube reflectors
Radius: 19.05 mm +/- 0.0025 mm
Centring of optics: < +/- 0.012 mm
Roundness (ball): <= 0.004 mm
Acceptance angle: +/- 30 deg
Material ball: Stainless steel, surface-hardened, magnetic
Weight: 170 g

Compatibility: AT930, AT960, AT500, ATS600, ATS800

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Reflectors



576234

Tooling Ball Reflector (TBR) - 0.5”
Stainless steel, surface-hardened, magnetic, glass prism reflector with removable ring, protection cover for optics and certificate. Delivered in a wooden box.

Compatibility: AT500, AT930, AT960



575848

Reflectors for Fixed Installation (RFI) - 0.5”, 5-pack
Pack of 5 anodized aluminium, non-magnetic glass prism reflectors in a wooden box.

Compatibility: AT500, AT930, AT960, ATS600



576962

Super CatEye Reflector (SCE)
Stainless steel, surface-hardened, magnetic reflector with ultra-wide acceptance angle of ±75° from vertical around a full 360-degree field of view. Includes reflector with optical protection cover, certificate and product storage box.

Compatibility: AT930, AT960



576966

Super CatEye Reference Target (SCRT)
Aluminium with samarium-cobalt magnet reflector with ultra-wide acceptance angle of ±75° from vertical around a full 360-degree field of view, embedded in a magnetic target base with magnetic shielding for transportation and storage. Mechanical adaptation of the SCRT can be established using the 6 mm M4 centre bore hole.

Note: A valid Super CatEye Reflector 1.5” (576962) compensation is required for the corresponding Absolute Tracker system prior to the use of an SCRT (576966).

Compatibility: AT930, AT960



573510

CatEye Reflector (CER) - ball with hardened steel surface
Radius ball: 37.5 mm ±0.025 mm
Roudness (ball) ±0.01 mm
Centring of optics ±0.01 mm
Max. acceptance angle ±60°
Weight 730 g

Compatibility: AT930, AT960, ATS600, AT500

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Reflectors

	Reference	Quantity	Radius	Centring of optics	Roundness (ball)	Acceptance angle	Weight	Compatibility		
Red Ring Reflector (RRR) - 1.5”	575784 576241 576242 576243	1 pc. 2 pcs. 5 pcs. 10 pcs.	19.05 mm ±0.0025 mm	< ±0.003 mm	≤0.003 mm	±30°	170 g	AT500	ATS800/ ATS600	AT930/ AT960
Red Ring Reflector (RRR) - 7/8”	576311 576312 576313 576314	1 pc. 2 pcs. 5 pcs. 10 pcs.	11.1125 mm ± 0.0025 mm	< ±0.003 mm	≤0.003 mm	±30°	35 g	AT500	ATS800/ ATS600	AT930/ AT960
Red Ring Reflector (RRR) - 0.5”	575739 576238 576239 576240	1 pc. 2 pcs. 5 pcs. 10 pcs.	6.35 mm ± 0.0025 mm	< ±0.003 mm	≤0.003 mm	±30°	6 g	AT500	ATS800/ ATS600	AT930/ AT960
Break Resistant Reflector (BRR) - 1.5”	576244	1 pc.	19.05 mm ± 0.0025 mm	< ± 0.010 mm	< ± 0.0015 mm	±30°	195 g	AT500	ATS800/ ATS600	AT930/ AT960
Tooling Ball Reflector (TBR) - 0.5”	576234 576235 576236	1 pc. 5 pcs. 10 pcs.	6.35mm: ± 0.004mm	< ± 0.01mm	< ± 0.003mm	w/ ring ≤ ± 22° w/out ring ≤ ± 50°	7 g	AT500		AT930/ AT960
Reflectors for Fixed Installation (RFI) - 0.5”	575848 576246	5 pcs. 10 pcs.	6.35 mm	not applicable	not applicable	≤ ± 50°	3 g	AT500	ATS600	AT930/ AT960
Super CatEye Reflector (SCE)	576962	1 pc.	19.05 mm ±0.0025 mm	< ±0.005 mm	≤ 0.003 mm	±75°	106 g	-	-	AT930/ AT960
Super CatEye Reference Target (SCRT)	576966	1 pc.	-	not applicable	not applicable	±75°	84 g	-	-	AT930/ AT960
CatEye Reflector (CER)	573510	1 pc.	37.5 mm ±0.025 mm	±0.01 mm	±0.01 mm	±60°	730 g	AT500	ATS600	AT930/ AT960
Mini prism	641762	1 pc.	-	-	-	-	-	-	ATS600	AT930/ AT960

Reflectors



575847 **Surface Reflector Kit**

Kit includes:
- Surface reflector with lanyard
- Pin-Point Stylus (603182)
- 3 mm Ruby-Ball Stylus (603193)
- Edge Stylus (603188/575423)
- Manual (724251)

Compatibility: AT500, AT930, AT960, ATS800, ATS600



577463 **MAT181 1.5'' Scanner Sphere Kit, 5-pack**

Pack of 5 matte scanner spheres for station orientation
Radius: 19.05 mm +/- 0.008 mm
Roundness: 0.013 mm
Material: Stainless Steel

Compatibility: ATS800



577464 **MAT182 0.5'' Scanner Sphere Kit, 5-pack**

Pack of 5 matte scanner spheres for station orientation
Radius: 6.35 mm +/- 0.008 mm
Roundness: 0.013 mm
Material: Stainless Steel

Compatibility: ATS800



641762 **Mini prism GMP104**
with L-bar, for fixed installations.

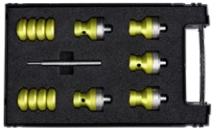
Compatibility: AT930, AT960, ATS600



641662 **Mini prism set GMP101**
includes bubble, target plate and spike, in bag, also suitable for GLS11 and GRT44 (same height as GPH1, additive constant +17.5 mm).

Compatibility: TDRA6000

Reflector holders



576249 **Pass Point Target Kit MAT22**
Kit includes:
- 8 non-magnetic target base to be affixed with hot glue.
- 5 neodymium magnetic target base with magnetic shield
for transportation and storage.
Delivered in case with spare cutout for CCR 1.5” reflector (not included),
dimensions 250x200x70 mm, weight with targets 1.1 kg.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



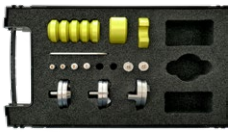
576850 **Magnetic NORS Reflector Support for 1.5” Reflectors (RRR/BRR)**
Magnetic support designed for holding larger reflectors in place.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



575940 **Roller Alignment Kit**
Kit for performing roller alignments with laser tracker and TPS systems.
The kit is delivered in a dedicated hard case and comprises:
- 2 floor base plates
- 2 centering pins with magnetic adaptor for 1.5” target
- 1 roller adaptor
- 1 magnetic adaptor for 1.5” target

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577426 **Reflector Support Starter Kit MAT158**
The Starter Kit includes:
- 5 Drift nests that can be temporarily fixed with any general adhesive.
- 1 NORS Reflector Support for 1.5” reflectors.
- 1 3PRS 3-Point Reflector Support.
- 1 Adaptor with shank and magnetic base for 1.5”reflectors.
(ø 40 ± 0.02 mm, offset 30 ± 0.02 mm, centring <0.025 mm).
- 1 Adaptor with shank and non-magnetic base for 1.5” reflectors
(ø 40 +/- 0.02 mm, offset 30 +/- 0.02 mm, centring <0.025 mm).
- 1 Edge adaptor for 1.5” reflectors (ø 40 +/- 0.02 mm, offset 30 +/- 0.02 mm, centring <0.025 mm).
- Insert bolts of 6, 8, 10 and 12 mm diameters (± 0.01 mm) for the adaptors with shank (2 of each diameter are included in the case).
- 1 Wrench tool for the insert bolts.
- The Reflector Support Starter Kit is delivered in a compact case with foam inlays for all adaptors and extra space for additional reflector supports or accessories.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Reflector holders



577357

AID15 for inner diameters
Adaptor for inner diameters with adjustable magnetic base. Supports 1.5" reflectors only. For diameters 200 mm and larger. M8 thread for adaptation of CFK Extension Rod 650 mm.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577339

AID78 for inner diameters
Adaptor for inner diameters with adjustable magnetic base. Supports 7/8" reflectors only. For diameters 100 mm and larger. M8 thread for adaptation of CFK Extension Rod 650 mm.

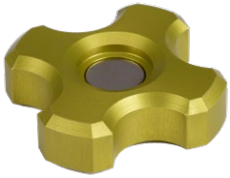
Compatibility: AT930, AT960, ATS800, ATS600, AT500



577360

CFK Extension Rod
CFK rod extension, 650 mm with M8 m/f thread for adaptors AID15/78. Maximum number of recommended segments 3 x 650 mm.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577362

3-Point Reflector Support (3PRS)
Special accessory with three-point support when probing with a 1.5 in reflector. The 3PRS reflector support will immediately stabilise the reflector position during a measurement process. Lower point RMS and maximum accuracy can be achieved compared to conventional ‘hand-held’ reflector measurements.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Reflector holders



577427

Heavy Duty 1.5” Reflector Support MAT159
Reflector support equiped with 3 strong magnets for 1.5” reflectors.
The strong magnets securing the reflector in place make it ideal for mounting on robot arms or on machinery. Comes with an 8 mm F7 centre-bore adaptation and a bore-hole pattern of 3 x M4 (ø 44 mm).
A magnetic shield for transportation and storage is included.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

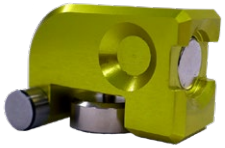


577430

Heavy Duty 75 mm CatEye Reflector Support MAT162
Reflector support equiped with 3 strong magnets for 75 mm CatEye Reflectors. The strong magnets secure the 75 mm CatEye.
Reflector and prevent it from falling. Suitable for mounting on robot arms and machinery or for permanent reference network points.
It comes with an 8 mm adaptation with F7 centre-bore hole and a 3 x M6 (ø 65 mm) bore-hole pattern. 2 M4 eyebolts are also available and can be used to further secure the reflector support with safety chains. A magnetic shield for transportation and storage is included.

Compatibility: AT930, AT960, ATS600, AT500

Reflector holders



577428

1.5” Reflector Universal Surface Adaptor MAT160
Versatile surface adaptor with adjustable magnetic base, designed for probing with 1.5” reflectors on inner and outer diameters of 200 mm or more as well as on planar surfaces. The strong magnets ensure stable reflector handling in both horizontal and vertical positions.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576402

Reflector Mount
Can be mounted on a tripod or fix-installed at a stable location to establish nominal distances for comparison measurements. To support 0.5” and 1.5” corner-cube reflectors, magnetic reflector holders versions 576073 and 576096 are recommended.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Please find more reflector holder types at **shop.hexagonmi.com**

Visit our shop





Electronics

Electronics



576875

Battery External Li-Ion 37V/8.1Ah MPB25
External chargeable li-ion battery for Absolute Trackers. Connects to Absolute Tracker Controller. Built-in charger technology – MPS134 Power Supply Unit (576873) required for charging, to be ordered separately (included as standard as part of the standard laser tracker configuration). MSI26 Universal ATC Stand Fixture (576895), to be ordered separately, required to mount the battery on a stand/tripod.

Battery specifications: 37 V / 8.1 Ah / 299 Wh
Typical operation time: 6-8 hrs

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576965

Battery External Li-Ion 36V/2.5Ah MPB100
External chargeable li-ion battery for Absolute Trackers. Connects to Absolute Tracker Controller. Built-in charger technology – MPS134 Power Supply Unit (576873) required for charging, to be ordered separately (included as standard as part of the standard laser tracker configuration). MSI26 Universal ATC Stand Fixture (576895), to be ordered separately, required to mount the battery on a stand/tripod.

Battery specifications: 36 V / 2.5 Ah / 90 Wh
Typical operation time: 2-3 hrs

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Electronics



576874

Battery Hard Case MTC29
Hard battery case that can hold:
- 2 MPB25 Battery External Li-Ion 37V/8.1Ah (576875)

or
- 2 MPB100 Battery external Li-Ion 36V/2.5Ah (576965)
- 1 MPS134 Power Supply Unit (576873)
- 2 MCA24 Battery Cable - 0.75 m (576876)
- 2 MSI26 Universal Stand Fixture (576895)

Empty hard case only. Accessories to be ordered separately.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



6009769

Battery Set MPB25
Portable laser tracker power and charging package.
Set includes:
- 2 MPB25 Battery External Li-Ion 37V/8.1Ah (576875)
  Battery Specifications: 37V / 8.1Ah / 299.7Wh
- 1 MPS134 Power Supply Unit (576873)
- 2 MCA24 Battery Cable - 0.75 m (576876)
- 2 MSI26 Universal Stand Fixture (576895)
- 1 MTC29 Battery Hard Case (576874)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



6016957

Battery Set MPB100
Portable laser tracker power and charging package.
Set includes:
- 2 MPB100 Battery External Li-Ion 36V/2.5Ah (576965)
  Battery Specifications: 36 V / 2.5 Ah / 90 Wh
- 1 MPS134 Power Supply Unit (576873)
- 2 MCA24 Battery Cable 0.75 m (576876)
- 2 MSI26 Universal Stand Fixture (576895)
- 1 MTC29 Battery Hard Case (576874)

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Electronics



954519 **Battery GEB364, internal, Li-Ion, 10.8V/6900mAh**
High output internal battery for the AT500 Absolute Tracker

Compatibility: AT500



575983 **T-Probe Battery Charger**

Compatibility: AT960



734195 **Power Supply for T-Probe Battery**

Compatibility: AT960



799185 **Charger Pro 3000 GKL311**
Basic charger for one Li-ion battery. Suitable for GEB211, GEB212, GEB221, GEB222, GEB241, GEB242, GEB331 and GEB361. AC adaptor included.

Compatibility: AT500, TM6100A



799187 **Charger Pro 5000 GKL341**
Professional charger to charge up to 4x Li-Ion batteries GEB241 and GEB242, AC adaptor included.

Compatibility: AT500, TM6100A



576873 **Power Supply Unit MPS134**
Power supply for AT930/960 or ATS600 laser trackers. Connects to AT9x0 Controller (577431) or ATS600 Controller (577432). Input 80-264 VAC to output 48 VDC.
For indoor use only.

The Power Supply Unit is compatible with
- AT9x0 Controller (577431)
- MPB25 Battery external Li-Ion 37V/8.1Ah (576875)
- LASC-211 Controller unit (576909)
- AT Connect Box CB21 (577377)

The MPS134 is delivered with a country based power cord.

Compatibility: AT930, AT960, AT800, ATS600, ATS500

Electronics



External Temperature Sensor
Accessory for measuring external air and/or object temperatures.
The temperature sensor is configured with a 2, 10 or 30 m cable and has a square 8 x 8 x 42 mm tip with a borehole ø4.2 mm to fix it to the object.

Temperature range: -20 to +80°C
Temperature accuracy: ± 0.3°C

576888 **MCA18 - 2 m**
576889 **MCA19 - 10 m**
576890 **MCA20 - 30 m**

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577361 **Temperature Probe Holder**
Holder with magnetic base for object temperature probes.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577377 **AT Connect Box CB21**
The AT Connect Box extends the AT9x0 Controller (577431) by power, trigger, and communication functionality for Absolute Positioner AP21 and attached sensors like the Absolute Scanner AS1.
The CB21 has a Robot I/O interface, which can be set via I/O signals or software interface.

Compatibility: AT960, AS1, AS1-XL



577431 **AT9x0 Controller**
The AT9x0 Controller is compatible with Leica Absolute Tracker AT930/AT960 series. The MPS134 Power Supply Unit (576873) and MSI26 Universal ATC Stand Fixture (576895) has to be ordered separately.



577433 **ATS800 Controller**
The ATS800 Controller is compatible with the Leica Absolute Tracker ATS800. The MPS134 Universal Power Supply Unit (577407) and the MAS168 Universal Power Supply Unit Fixture (577437) has to be ordered separately.

577432 **ATS600 Controller**
The ATS600 Controller is compatible with Leica Absolute Tracker AT930/AT960 series. The MPS134 Power Supply Unit (576873) and MSI26 Universal ATC Stand Fixture (576895) has to be ordered separately.

Electronics



Sensor Cable
Cable for connecting AT9x0 Controller to AT930/960 or ATS600 Controller to ATS600.

576885 MCS11 - 1.5 m
576886 MCS12 - 10 m
576887 MCS13 - 30 m

Compatibility: AT930, AT960, ATS600



Elbow Sensor Cable
Connects the AT930/960 to the AT9x0 Controller or the ATS600 to the ATS600 Controller. Tracker-side has a 90-degree elbow plug, which enables tracker setup at a minimum height above the mounting surface (e.g. on a machine bed).

576956 MCS96 - 1.5 m
576957 MCS97 - 10 m
576958 MCS98 - 30 m

Compatibility: AT930, AT960, ATS600



Positioner Sensor Cable
Cable for connecting the Absolute Positioner AP21 (577368) with the AT Connect Box CB21 (577377).

577379 MCA110 - 10 m
577380 MCA111 - 20 m

Compatibility: AT960, AS1



576876 **Battery Cable MCA24 - 0.75 m**
The battery cable supports a multi-case.
- Connects MPB25/MPB100 battery to the Absolute Tracker Controller
- Connects 2 MPB25/MPB100 batteries in a daisy chain charging setup
- Connects MPB25/100 battery to the AT Connect Box CB21
- Connects the AT9x0 Controller to the AT Connect Box CB21

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577419 **Wireless Bluetooth Remote Control MAR137**
Wireless remote control with programmable buttons.
Connection types: Bluetooth Low Energy and 2.4 GHz wireless connection.
Working range up to 30 m.
Compatible with Windows 10 or later.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Electronics



855240
576903
873553

Trigger/Probe Cable MCA114
Connects AT9x0 Controller to AT Connect Box CB21 (577377).

MCA114 - 0.75 m
MCA47 - 2 m
MCA113 - 15 m

Compatibility: AT960, AS1



577384

LAN-cable RJ-45 Cat6 MCA115 - 0.75 m
Connects AT9x0 Controller to AT Connect Box CB21 (577377).

Compatibility: AT960



575899

LAN-cable RJ-45 Cat6 MCA134 - 5 m
Connects tracker system and application computer.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



575972
575973
576185

Cable T-Probe
Reserve or replacement cable for the T-Probe.

10 m
20 m
50 m

Compatibility: AT960



812792

USB-to-micro-USB cable for B-Probe plus
For firmware-upgrade via PC



577413
577414
577413

Sensor cables for ATS800
Connects ATS800 Controller to ATS800 Sensor (6018633).

MCS148 - 1.5 m
MCS149 - 10 m
MCS150 - 30 m

Compatibility: AT930, AT960, ATS800, ATS600


D = 90.005 mm
SN:001
Therminal expansion coefficient: 23.4x10-6 / K
Reference temperature: 20° C

Compensations and field checks

Compensations and field checks



576893

Invar Reference Bar MAC55, 1000 mm
Low thermal expansion length reference bar provides a stable length for use during laser tracker or scanner jobs. Can be directly placed on the floor/table (3-point feet). Includes supports 0.5”, 7/8” and 1.5” reflectors, certificate, case with contour-cut foam.

- Bar length uncertainty: +/-0.007 mm
- Weight: 1.45 kg (3.86 kg with case)

Compatibility: AT500, AT930, AT960, ATS800, ATS600



576894

6DoF Compensation Kit MAC23
For on-site compensations of the integrated 3D and 6DoF Absolute Tracker system components. Consists of tripod interface (5/8” thread), compensation frame and light-duty magnetic holder for tooling ball reflectors 0.5”. For the process a Red-Ring Reflector 0.5” (575739) and a T-Probe cable is required (20 m, 575973) – to be ordered separately.

Compatibility: AT960

Compensations and field checks



576947

Reference Sphere MAC87 - d=90 mm
Reference artefact designed for field checks and alignments of scanning systems.

Consists of:
- Aluminium reference sphere, with support
- Diameter: 90 mm
- Sphericity/roundness: 0.030 mm
- Weight: 1200 g
- Certificate

The included Reference Sphere Support has a central UNC 5/8”-11 thread, which is compatible with our stands (MST36, AT21, AT28), as well as 2 universal 7 mm bore holes.

Compatibility: AT960, ATS600, AS1-XL

Compensations and field checks



576899 **T-Probe Stylus Compensation Tool MAC34**

The MAC34 is used for on-site T-Probe Stylus compensations of various styli configurations. The MAC34 can be extended for Shank-Stylus with the T-Probe Stylus Shank Compensation Tool (576247).

Compatibility: AT960



576900 **Magnetic Device MAC35 for MAC34**

For use with MAC34 T-Probe Stylus Compensation Tool (576899). Holds to any magnetic surface. Magnetic force can be switched on and off. The MAC34 T-Probe Stylus Compensation Tool must be ordered separately.

Compatibility: AT960



576247 **T-Probe Stylus Shank Compensation Tool MAC57**

Accessory for compensating cylindrical probe styli. Must be mounted on the MAC34 T-Probe Stylus Compensation Tool (576899), which must be ordered separately.

Compatibility: AT960



577401 **Reference Sphere MAC133 - d=25.4 mm**

The Reference Sphere is designed for field checks and alignments of scanning systems.

- Diameter: 25.4 mm
- Material: Tungsten carbide with matte finish
- Certificate and base plate included
- Base plate has a central UNC 5/8”-11 thread, which is compatible with tripods (576901 MST36, 575483 AT21, 575484 AT28). In addition there are 2 universal 7 mm bore holes.

Note: The sphere is already included in the AS1 Kit

Compatibility: AT960, AS1



576512 **B-Probe^{Plus} Stylus Compensation Tool**



576401 **Mirror Tool**

Used to measure distances between 2 points with a laser tracker using only the interferometer. This basic set includes holders for 0.5” and 1.5” reflectors (2 units each, version 576073 and 576096). This tool can also be used to generate nominal distance values for the planned VDI/VDE standard.

Compatibility: AT930, AT960, ATS800, ATS600, AT500

Compensations and field checks



576898 **Optical Cleaning Kit MAT33**
Does away with solvents, harsh cleaning products and messy lens tissues that can leave ugly and problematic smears that ruin measurement quality. Suitable for cleaning AT500/930/960 or ATS600 sensor optics as well as reflectors.

The kit includes:
- 1 Dust ex blower (167119)
- 2 Cleaning Tissues (771349)
- 8 Cleaning Swabs, large (758346)
- 5 Cotton Swabs, small (724954)
- 1 Cleaning Brush (822420)
- 1 Cleaning Kit Bag (821236)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



575837 **Tripod Adaptor**
To be used for various alignment or compensation measurements. Thread for tripod 5/8"". Bore hole 12 mm (supports 577104/577208, not included)

Compatibility: AT930, AT960, ATS800, ATS600, AT500



577429 **Tripod Adaptor for 1.5'' Reflector MAT161**
Compact and lightweight 1.5''
Reflector adaptor with magnetic insert for tripods equipped with 5/8''-11 thread.
Ideal for field check and sensor compensation tasks.

Compatibility: AT930, AT960, ATS800, ATS600, AT500


HEXAGON
AS1
ABSOLUTE SCANNER

Other accessories

Measurement cart 76

Transport case and container 77

Further accessories 81

Measurement cart



576950

Absolute Tracker Measurement Cart MMC91
Cart is compatible with AT930/960 or ATS600. Contains a flexible shelf system for installation controllers, UPS and computers. Controller and computer compartment is temperature regulated (built-in fan). Cart can be used like a regular measuring cart or reconfigured to a shuttle cart. Drawers equipped with preconfigured foam inlays for storing AT500, AT930/960 or ATS600, scanners, reflectors and reflector supports, as well as Leica T-Probe, styli and extensions. The main cart desktop can be extended with a foldable side-table.
The cart consists of:
- Measurement Cart with shelf compartment, drawers and lockable wheels
- 2 belt with snap hook and quick-connect buckle to fix tracker and/or stands on shuttle rail
- Power strip (US or EU version)
- 5 drawer inlays
- Velcro straps for controller and computer fixation
- USB-fan with USB extension cable
- Mechanical interface for forklift manipulations
- Cable Drum

Cart compartment and drawers are lockable with a key system (2 keys included).
Dimensions L=1.20 m, W=0.70 m, H=1.10 m.

Compatibility: AT930, AT960, ATS800, ATS600, AT500



576942

Metrology Cart Modification Kit MMC31
Kit for modifying a standard metrology cart to fit various laser tracker and laser scanner systems.

Kit includes:
- Installation manual
- Drawer with foam inlay for T-Scan 5 and LAS/LAS-XL scanners - not compatible with AS1
- Scanner controller shelf with Velcro tapes for controllers and power supplies
- Foam inlay for AT930/960 and ATS600 sensors
- Set of installation material

The modification kit is compatible with the MMC31 Measurement Metrology Cart (576896) only.

Compatibility: AT930, AT960, ATS800, ATS600



576953

Dust Cover MAM94
Cover compatible with the following measurement carts:
MMC91 (576950) and MMC31 (576896).

Transport case and container



576891

MTC51 Absolute Tracker Transport Container
Standard transportation case to fit various laser tracker systems and accessories.
The transport container can hold:
- Absolute Tracker AT930/AT960 (576861-576865) or ATS600 (576971)
- AT9x0 Controller (577431) or ATS600 Controller (577432)
- MPS134 Power Supply Unit (576873)
- MCS11 Sensor Cable 1.5 m (576885)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18 External Temperature Sensor 2 m (576888)
- Red-Ring Reflector (RRR) - 1.5” (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective Sensor Cover

Empty transport container only. Accessories to be ordered separately.
Dimensions: L=62.5 cm, W=50 cm, H=36.6 cm (L=24.60”, W=19.70”, H=14.40”)

Compatibility: AT930, AT960, ATS800, ATS600



577446

AT500 Transport Container MTC135
Robust carry case for the Absolute Tracker AT500 and accessories.
The Transport Container can hold:
- AT500 Absolute Tracker (577440)
- MPS134 Power Supply Unit (577407)
- AT Quick Release Mount incl. Mandrel (576338)
- MCA18, External Temperature Sensor 2 m (576888)
- Red Ring Reflector (RRR) 1.5” (575784)
- MSI26 Universal Stand Fixture (576895)
- MAT33 Optical Cleaning Kit (576898)
- Protective sensor cover

Empty transport container only. Accessories to be ordered separately.

Compatibility: AT500

Transport case and container



577400

Absolute Scanning-Probing Case MTC131
The MTC131 Trolley Case can hold:
- Absolute Scanner AS1 (577367)
- Absolute Scanner AS1-XL (577402)
- MAP101 Absolute Positioner AP21 (577369)
- MAP102 Grip (577370)
- AT Connect Box CB21 (577377)
- MCA110 Positioner Sensor Cable - 10 m (577379) or
- MCA111 Positioner Sensor Cable - 20 m (577380)
- MPS134 Power Supply Unit (576873)
- MCA24 Battery Cable - 0.75m (576876)
- MCA114 Trigger/Probe Cable - 0.75 m (855240)
- MCA115 LAN-cable RJ-45 Cat6 - 0.75 m (577384)
- MAC133 Reference Sphere - d=25.4 mm (577401)
- MAC87 Reference Sphere - d=90 mm (576947)
- MAP116 Positioner Horizontal Holder (577385)
- MAP144 Positioner Clip Support (577404)
- MPB25 or MPB100 Battery External Li-Ion (576875, 576965)
- Leica T-Probe III (576186) incl. 2 batteries, power supply compensation tool and stylus
- 2 x 1.5” Red Ring Reflectors (575784)
- MAT22 Pass Point Target Kit (576249)
- MAT158 Reflector Support Starter Kit (577426)
- T-Probe Styli Kit (576231)
- Stylus Extension 400 mm and 600 mm (576215 and 576216)

Dimensions: L=79.5 cm, W=51.8 cm, H=39.4 cm (L=31.30”, W= 20.40”, H=15.50”)
Weight: 12.6 kg (empty), 29.0 kg (fully equipped)

Note:
Empty trolley case only. Accessories to be ordered separately.

Compatibility: AT960, AS1, AS1-XL, T-Probe III

Transport case and container



577387

Absolute Scanner Trolley Case MTC118
The MTC118 Trolley Case can hold:
- Absolute Scanner AS1 (577367), incl. Certificate
- Absolute Positioner AP21 (577369)
- MAP102 Grip (577370)
- AT Connect Box CB21 (577377)
- MCA110 Positioner Sensor Cable - 10 m (577379)
- MCA24 Battery Cable - 0.75 m (576876)
- MCA114 Trigger/Probe Cable - 0.75 m (855240)
- MCA115 LAN-cable RJ-45 Cat6 - 0.75 m (577384)
- MAC133 Reference Sphere - d=25.4 mm (577401)
- MAP116 Positioner Horizontal Holder (577385)
- MSI26 Universal ATC Stand Fixture (576895)
- MAP117 Positioner Clip Support (577386)

Dimensions: L=53.8 cm, W=40.6 cm, H=26.9 cm (L=21.20”, W= 16.00”, H=10.60”)

Note:
Empty trolley case only. Accessories to be ordered separately.

Compatibility: AT960, AS1, AS1-XL



577447

Absolute Tracker Backpack MTC163
Backpack suitable for Absolute Tracker systems. Features a dedicated storage area for 2 GEB364 batteries and a sleeve that can fit up to a 17 inch laptop as well as compartments for storage of other accessories.
Dimensions: H=62 cm, W=38 cm, D=30 cm (H=24.41", W= 14.96", D=11.81")
Empty weight: 2.9 kg (6.4 lbs)

Notes:
Empty backpack only, Absolute Tracker and accessories to be ordered separately.
Not suitable for transporting an Absolute Tracker as checked luggage.

Compatibility: AT960, AT930, ATS800, ATS600, AT500



Further accessories



576379 **AT Remote Control 400**
Wireless infrared control unit compatible with Absolute Tracker AT500.
Content: Remote control unit 2 AAA-batteries.

Compatibility: AT500



874298 **Surface Sample Tool**
Demonstrating and comparing scanning sensors on difficult materials is now possible. Use the Surface Sample Tool to demonstrate the capability of our scanning devices. The Surface Sample Tool consist of 12 different surface sample materials: metal coated Aramide fibre with clear coat finish, black felt textile, white car paint 2K/clear coat, black car paint 2K/clear coat, red car paint 2K/clear coat, yellow car paint 2K/clear coat, carbon fibre flat finish (grinded), green car paint 2K/clear coat, carbon fibre semi-gloss finish (prepreg), blue car paint 2K/clear coat, carbon fibre gloss finish (clear coated) and chrome plated.

Dimensions: 290 x 150 x 13 mm, weight: 620 g


Leica
Leica
Geosystems

Industrial theodolites

Industrial theodolites 84

Accessories for industrial theodolites TM6100A 85

Industrial theodolites



576372 **Motorised Industrial Theodolite TM6100A**
With pan focal telescope, build-in autocollimation eyepiece and GUS29 internal target.
Including user manual, upright container and Calibration Certificate “Gold”.
12-month warranty.



576528 **Optional Second Keyboard GTS39**
Additional keyboard with touchscreen and colour display.
Fits to telescope position 2 (factory fitted).
Must be configured with a new instrument and cannot be ordered separately.



308838 **Eyepiece FOK53**
Viewing eyepiece with 44x magnification at 10 m.
Optically adjusted and fitted in factory (only to be ordered with new instrument).

Accessories for industrial theodolites TM6100A



799658 **Screen protector SPF03**
Reserve or replacement touchscreen protection foil for protection against scratches and dust.



793979 **Diagonal Eyepiece GFZ3**
For telescope — except T100
The TM6100A requires counterweight 712504, which needs to be ordered separately.

Compatibility: TM6100A



712504 **Counterweight (GOK6)**
Required counterweight for using GOK6 Steep Sight Eyepiece.



575725 **Plug-in Lamp AL51**



392368 **Autocollimation Mirror GAS1**
Mirror for autocollimation with diameter of 50 millimetres, delivered in a case.



723231 **Counterweight (DL2/3)**
Required counterweight for using DL2/3 diode laser with TM5100A/TM6100A.

Accessories for industrial theodolites TM6100A



576352 **Tribrach PRO without Optical Plummet GDF321-I - light grey**

Compatibility: TM6100A



576353 **Tribrach PRO with Optical Plummet GDF322-I - light grey**

Compatibility: TM6100A



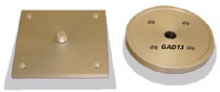
417677 **Measuring slide (single direction) GMT5**
With maximum working range 40 mm; least count 0.01 mm.

Compatibility: TM6100A



417678 **Adaptor set GAD12**
For mounting GMT5 translation stage onto any Leica tribrach; includes tribrach to mount instrument; typical adaptor set for theodolites and total stations.

Compatibility: TM6100A



417679 **Adaptor set GAD13**
For mounting GMT5 translation stage onto 5/8”thread; includes adaptor plate with 5/8” thread to mount instruments; typical adaptor set for levels.

Compatibility: TM6100A

Accessories for industrial theodolites TM6100A



575483 **Aluminium Tripod AT21**
Robust and light-weight tripod with 5/8'' thread.
Suitable for industrial theodolites and for field checks for Absolute Trackers.
Instrument height: 1.4 - 2.1 m, weight: 11 kg

Compatibility: TM6100A



575484 **Aluminium Tripod AT28**
Robust and light-weight tripod with 5/8'' thread and adjustable centre column.
Suitable for industrial theodolites and for field checks for Absolute Trackers.
Instrument height: 1.4 - 2.8 m, weight: 12 kg

Compatibility: TM6100A



296632 **Telescopic Tripod with Accessories GST20**
Robust, well-established tripod for general use.
Suitable for levels, lasers, Total Stations and GPS.
Extendible 180 cm (5.9ft), weight 6.4 kg (14.1lb)

Compatibility: TM6100A



332200 **Tripod Base GST4**
For setting up GST tripods on smooth surfaces.

Compatibility: TM6100A

Accessories for industrial theodolites TM6100A



971703 **Lithium-Ion Battery GEB243**
Rechargeable 14.4V/6.4Ah battery.

Compatibility: TM6100A



799185 **Charger Pro 3000 GKL311**
Basic charger for one Li-ion battery. Suitable for GEB211, GEB212, GEB221, GEB222, GEB241, GEB242, GEB331 and GEB361. AC adaptor included.

Compatibility: TM6100A, AT500



799187 **Charger Pro 5000 GKL341**
Professional charger to charge up to 4 Li-Ion batteries GEB241 and GEB242, AC adaptor included.

Compatibility: TM6100A, AT500



774437 **Charger GEV242 for GEB371 external battery**
for indoor use only, input 100V-240VAC 50-60HZ, output 24VDC, cable with 5-pin Lemo to connect to battery.



905305 **External Battery Li-Ion GEB373**
13V, 289Wh. Quick Guide and User Manual, mutlilingual included

Accessories for industrial theodolites TM6100A



575427 **T-LINK Interface**
Power supply unit for TPS, for indoor use only. Input 94-265VAC to output 12VDC. Connects up to 4 TPS6000 instruments or up to 8 TPS5000 instruments.

Compatibility: TM6100A



576521 **Power cable GEV286-I 20 m**
Connects TPS6000 instrument with power supply T-Link/GEV270 or external battery GEB371.

Compatibility: TM6100A



800497 **Cable spool**
for 20 m/40 m cables (without cable).

Compatibility: TM6100A



576388 **USB adaptor RS232 serial**

Compatibility: TM6100A



574834 **Cable to connect DL2/3 and intensity regulator**

Compatibility: TM6100A



527497 **Data cable GEV86 - 20 m**
Connects DL2/3 intensity regulator or TPS5000 instrument to external power supply T-LINK/GEV270 or external battery GEB371.

Compatibility: TM6100A



576387 **Power Cable GEV64-I - 1.2 m**
connects TM6100A with DL2/3 intensity regulator.

Compatibility: TM6100A

Accessories for industrial theodolites TM6100A



6013373 **Interface Set TPS6000**
Consists of: GDF321-I Industrial Tribrach w/o opt. Plummet GKL341 Professional Charger 5000, MCF256 Compact Flash Card, GEV269 Data Transfer Cable Lemo1 / USB

Compatibility: TM6100



806093 **Serial data transfer cable GEV267 - 2.0 m**
converter cable USB to serial (Lemo to USB connector), connects TPS02/06+/09+/11/12/15/DNA/TPS5000 to PC. PC driver included on CD.



807696 **Power supply GEV270 for TPS5000/TPS6000**
for indoor use only, Input 100 - 240V AC to output 13.8V DC, with connection for power cables. Requires GEV219, GEV220 or GEV286-I power cable to connect TPS6000 instrument.

Compatibility: TDRA6000, TM6100A



758469 **Power cable GEV219 - 1.8 m**
Connects TPS6000 instrument with power supply GEV270 or external battery GEB371.

Compatibility: TDRA6000, TM6100A

793364 **Y-Cable GEV261 - 1.8 m**
Connects TPS6000 instrument to PC (USB-A or 9-pin RS232 serial) and power supply GEV270 or external battery GEB373.

Compatibility: TDRA6000, TM6100A



759257 **Y-Cable GEV220 - 1.8 m**
Connects TPS6000 instrument to PC (9-pin RS232 serial) and power supply GEV270 or external battery GEB371.

Compatibility: TDRA6000, TM6100A



733282 **Data transfer cable GEV162 - 2.8 m**
Connects TPS6000 instrument to PC for data transfer, firmware upload etc., Lemo 1 to 9-pin RS232 serial connector.

Compatibility: TDRA6000, TM6100A



806095 **Serial data transfer cable GEV269 - 2.0 m**
Connects TPS6000 instrument to PC for data transfer, firmware upload etc., converter cable USB to serial (Lemo 1 to USB A connector), PC driver included on CD.

Compatibility: TDRA6000, TM6100A



758513 **Adaptor cable TPS6000**
(Lemo 0 - Lemo 1)

Compatibility: TDRA6000, TM6100A

Accessories for industrial theodolites TM6100A



707525 **Lemo Canon converter GK1 30°, for PC**

Compatibility: TDRA6000, TM6100A



Compact Flash card

733257 MCF256 - 256 MB
745995 MCF1000 - 1 GB

Compatibility: TDRA6000, TM6100A



767895 **USB card reader MCR7**
for SD- and CF-cards.



733258 **Compact Flash PC Card adaptor MCFAD1**

Compatibility: TDRA6000, TM6100A



409678 **Data cable GEV52 1.8 m**
Connects DL2/3 intensity regulator to external power supply T-LINK/GEV270 or external battery GEB371.

Compatibility: TM6100A



571549 **Targets on self-adhesive-foils**
Black/white, ø 23 mm with concentric circles, 48 pieces on one sheet.

Compatibility: TM6100A



574681 **Target for orientation measurements, magnetic.**

Compatibility: TM6100A



800742 **Scale bar - 0.9 m**
Carbon fibre, incl. Producer Certificate, in carrying case.

Compatibility: TM6100A

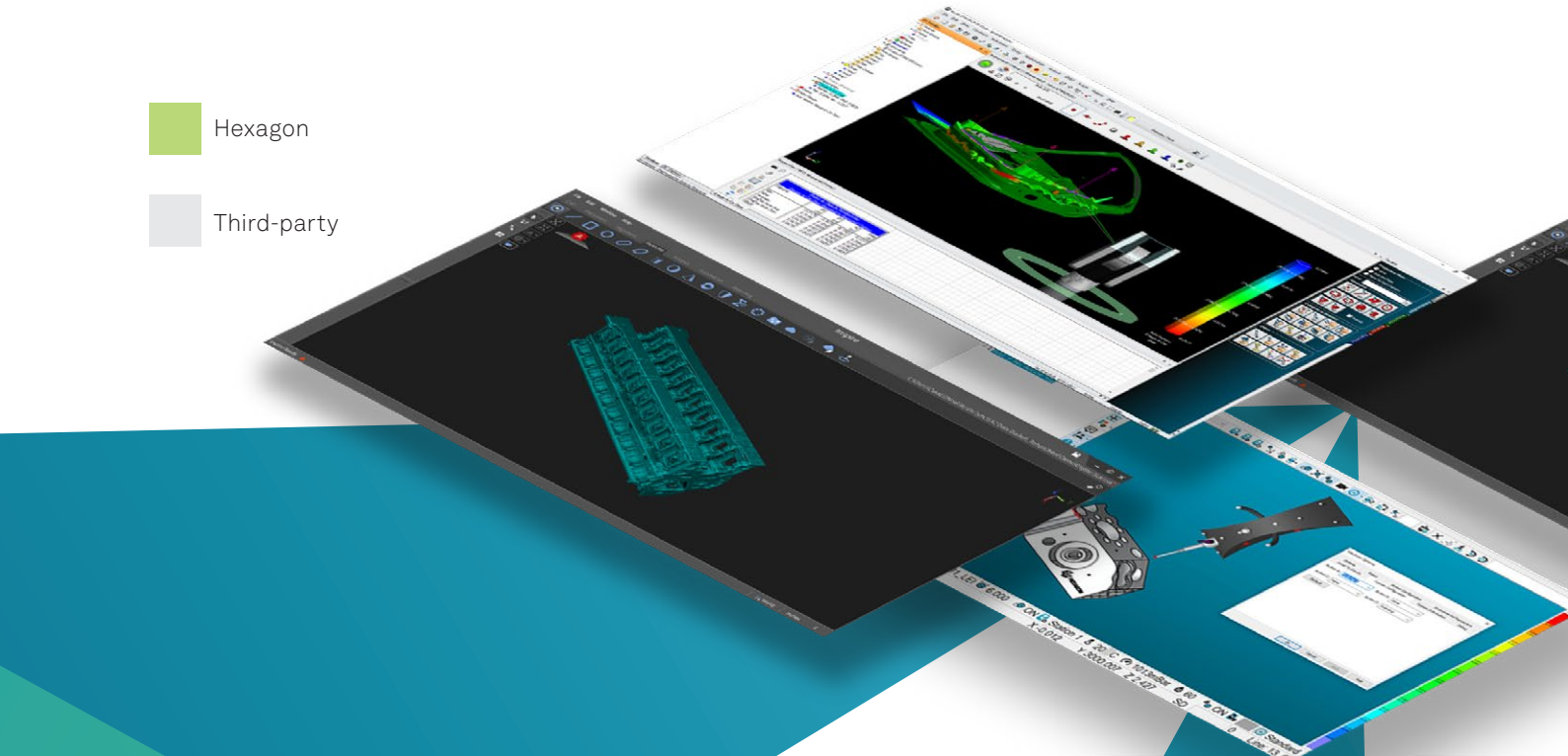
Driving the tools of high-end inspection

Hexagon is the largest software developer in the metrology industry and offers a wide range of individually customisable software packages. Hardware solutions from Hexagon support this with a foundation of cross-platform compatibility, designed for perfect functionality with both the many advanced platforms developed in-house and the best third-party programs on the market.

SpatialAnalyzer	**Inspire**	**PC-DMIS**	**TRAC-CHECK**
PolyWorks®	**Metrolog X4**	**Verisurf**	**BendingStudio**
DM Works	**Silma / X4-iRobot**	**HxGN Robotic Automation**	**RoboDyn**

Hexagon

Third-party



Application Software

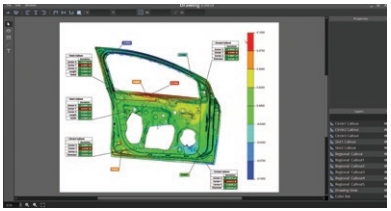
Hexagon software 94

Third-party software 98

Inspire

User-friendly measurement software for portable probing and scanning

Inspire is the next generation inspection software for all portable probing and scanning devices. Inspire is a new software package that makes measurement simple and the complex possible. With one simple interface, Inspire works with laser tracker for probing and scanning applications. Intuitive and easy to use, Inspire software is a comprehensive solution that makes measurement simple, saves time, and ultimately improves productivity.

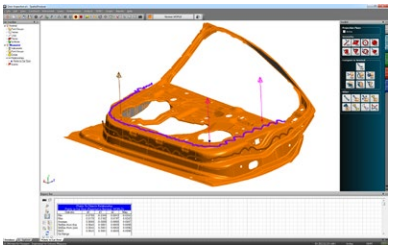


Inspire capabilities
- Measure
- Align
- Assemble/Build
- Analyse
- Report
- Scan and Probe
- Mesh
- Instrument networking
- Advanced Scripting
- CAD Import

SpatialAnalyzer®

Powerful and traceable measurement and analysis software

SpatialAnalyzer® (SA) is a powerful, traceable and easy to use metrology and analysis software package, tailored for Hexagon's Manufacturing Intelligence portable CMM family.

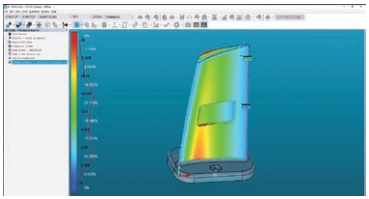


SA offers a vast number of benefits, including:
- Intuitive, state of the art graphical environment
- Interfaces to all Hexagon Manufacturing Intelligence portable CMMs
- All common CAD exchange and native formats
- Advanced analysis and processing and unique alignment techniques
- Easy multiple-instrument station bundling
- True GD&T and feature checks
- Numerous reporting options
- Measurement uncertainty calculation
- Unified Spatial Metrology Network to achieve the ideal instrument network
- Integrated Modern Scripting Language to automate complete workflows
- Multiple language support
- Free SA Viewer to share SA job files easily

PC-DMIS Portable

Supporting systems from CMMs to portable measuring arms and laser trackers, PC-DMIS is a measurement software solution for metrology professionals and shop-floor operators

Portable measurement devices have changed the way operations are monitored, making it possible to take measurements and analyse the results directly where parts are made and assembled. PC-DMIS Portable provides the tools needed to more effectively monitor operations and identify minor issues before they turn into costly problems.



PC-DMIS CAD++ Probing
Includes:
- LMS license
- All Portable interfaces (ROY-I-PORTABLE)
- XACT GD&T, IGES / DXF / DWG / STEP203 / STEP 214 / VDAFS / XYZIJK / DES
- DMISI/O translators
- Updates for 1 year

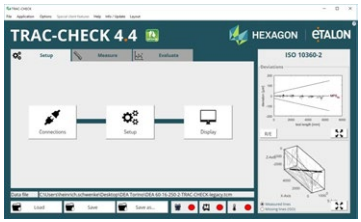
PC-DMIS CAD++ Scanning
Includes:
- LMS license
- All Portable interfaces (ROY-I-PORTABLE)
- Hexagon Scanning Probe Interface
- Scanning Auto Features
- Full COP support
- XACT GD&T + IGES / DXF / DWG / STEP203 / STEP 214 / VDAFS / XYZIJK / DES
- DMISI/O translators
- Updates for 1 year

PC-DMIS CAD++ Scanning/Mesh
Includes:
- LMS license
- All Portable interfaces (ROY-I-PORTABLE)
- Hexagon Scanning Probe Interface and Scanning Auto Features
- Full COP support
- XACT GD&T, IGES / DXF / DWG / STEP203 / STEP 214 / VDAFS / XYZIJK / DES
- DMISI/O translators
- STL Mesh Creation and Inspection
- Updates for 1 year

TRAC-CHECK

For check of large machine tools according to traceable standards

For large machine tools (> 5 m) it is also possible to use a laser tracker from Hexagon to check machine accuracy according to standards by the software ETALON TRAC-CHECK.



ETALON TRAC-CHECK software solution
Innovative measuring software to ensure machine tools meet international standards for precision

The ETALON system uses multilateration, a spatial measurement technique deployed by satellite navigation systems, to increase measurement speeds and ensure the highest levels of accuracy when calibrating, compensating and verifying machine tools. The speed and precision of multilateration means manufacturers can reduce measurement times by up to 80% compared to conventional laser interferometers, thereby securing results in one to two hours instead of one to two days.

ETALON TRAC-CAL | TRAC-CHECK uses a single self-tracking laser interferometer either from ETALON or the Leica Absolute Tracker AT930/960. This makes measurements more accurate and traceable, while reducing the maintenance and recalibration costs.

BendingStudio

A single hub for complete tube and wire inspection



The BendingStudio XT software platform is a complete end-to-end solution for tube and wire inspection and production control. The software links all data and processes related to the production of bent parts, from design and process planning to manufacturing and quality control. BendingStudio XT is the only tool to meet and combine these requirements with an emphasis on metrological processes.

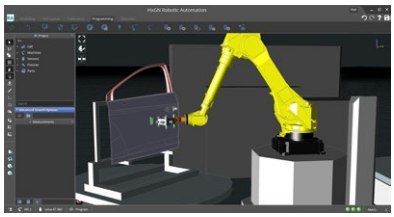
Evaluate parts quickly with clear actual-nominal value comparison. Implement multiple inspection plans with individual measurement criteria for each part. Enjoy comparable result presentation no matter the origin of the data. Benefit from a unique calculation method for the correction of complex bent parts such as brakelines with end formings or parts with clamping jaws. Make use of overlength compensation, with smart, customisable and part-specific calculation of correction data.

BendingStudio XT is the complete package for complex analysis and management of tube and wire production.

HxGN Robotic Automation

Intuitive, flexible and scalable software to power robotic inspection cells

HxGN Robotic Automation is an intuitive, flexible and scalable robotic control software designed to simplify programming for automated measurement and inspection applications.



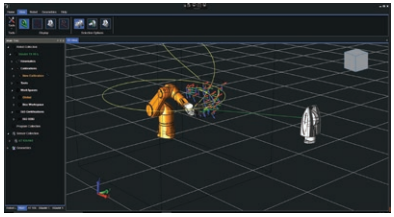
The HxGN Robotic Automation software provides the toolset to efficiently plan, program and control robotic cells based all major robot suppliers, as well as integrating with the wider manufacturing software ecosystem, simplifying the data acquisition process for smarter manufacturing processes. Created specifically to orchestrate the sensors, software and robotic equipment of an inspection cell from a single, intuitive interface, HxGN Robotic Automation makes automated measurement more accessible, more efficient and more reliable.

RoboDyn

For check of robot according to traceable standards

Innovative software solution delivering full calibration and performance testing functionality for industrial robotic systems.

The RoboDyn robot calibration and inspection system delivers complete robotic control, making it simple to get the most out of the precision, flexibility and intelligence automated systems have to offer.



With the ability to calculate robot base alignment and tool centre point offsets as well as directly correct and compensate for robot parameters, the RoboDyn software is the perfect tool for improving absolute positioning and performance of robotics. Designed to meet the demands of the ISO 9283 standard, RoboDyn guarantees accuracy and reliability throughout automated operations.

Simple and easy to use, RoboDyn allows for on-the-spot modification of robot models, followed by fast recalibration. Coming alongside the full capability for offline simulation, RoboDyn has the potential to transform process productivity across manufacturing, installation, testing and logistics areas.

For static and dynamic data acquisition, RoboDyn requires use in conjunction with a quality Leica Absolute Tracker featuring precision, speed, large measurement range, portability and the capacity for 6DoF measurement.

Third-party software

PolyWorks®

Polyworks is a software solution for high-end point cloud inspection and reverse engineering applications.

Whether you are casting, milling, molding or stamping, you can rely on PolyWorks to provide a complete solution for your process. The PolyWorks software suite is available as a complete package or – with regard to the two main applications – as a point cloud inspection or reverse engineering package.

PolyWorks®, developed by InnovMetric Software Inc, Canada, is a solution for high-end point cloud inspection and reverse engineering applications.

Metrolog X4

The global 3D inspection software is a standard for measuring applications in automotive, aerospace and the general precision industry.

Metrolog X4 interfaces to the Absolute Trackers, the “Walk-Around” Leica T-Probe and the Absolute Scanner AS1. In addition, more than 50 interfaces for CMMs and PCMMs are available. The graphical visualisation provides direct interfaces for virtual any neutral and native CAD format. A powerful feature-based measurement tool, a complete GD&T engine, customizable reporting and a simple and fast programming language, support and simplify your sophisticated assembly and inspection processes. Metrolog X4 is available in 19 languages.

Metrolog X4, developed by Metrologic Group of Europe, the global 3D inspection software is a standard for measuring applications in automotive, aerospace and the general precision industry.

Verisurf

Verisurf is an all-in-one metrology software solution for alignment, inspection, tool building, assembly, scanning, analysis, reporting, automation, and reverse engineering applications.

Verisurf Software, Inc., is a measurement solutions company committed to delivering powerful, easy-to-learn metrology software. Verisurf supports all 3D measurement workflows, including alignments, inspection, tool building, assembly, scanning, analysis, reporting, automation, and reverse engineering. Verisurf’s robust foundation supports all CAD file types and interoperability with all contact and non-contact measurement devices.

DM Works

DMWorks is a software package for automated applications comprised of different modules. It allows the creation of a measurement cell, the running of simulations, the generation of robot paths and even control of a measurement cell.

DMWorks-LSA (Leica Scan Automation):
- General purpose virtual measurement simulation and robot offline programming software for multiple LSA systems
- Accurately arrange and create virtual measurement workcell by aligning all devices to minimise position errors between virtual and physical systems
- Generate optimised robot scanning path for each measurement feature with robot motion simulation

LSA-Controller
- Integrated measurement control and operation software for one specific LSA system
- Collect and display real-time scanned point cloud data that can be transferred for analysis
- Provides a simple procedure for system recovery when system error occurs

LSA - Simulator
- OLP simulator for one specific LSA system
- Virtual measurement simulation
- Virtual measurement workcell alignment
- Offline robot programming

Silma / X4-iRobot

Silma is the advanced simulation software package from Metrologic which enables the creation of part program offlines, to check for risk of collision and path optimization. The Metrolog X4 i-Robot is the software package which runs the robot and measurement program in a single package, providing reports in a single software platform.

World-class products to rely on

Drawing on decades of research and development experience, laser tracker technology from Hexagon's Manufacturing Intelligence division is built on a long history of outperforming technological innovation. Deriving quality from experience to drive productivity is what keeps Hexagon in front and able to deliver first-class solutions for industries around the world.

That's why every major laser tracker product in this brochure comes with a 24-month factory warranty as standard, as well as a guaranteed 10 years of serviceability through official Hexagon service channels.

World-class support delivered locally

The international presence of Hexagon guarantees comprehensive aftersales support and services across the globe. With the largest dedicated service team of any metrology equipment manufacturer and an emphasis on locally delivered solutions, Hexagon is unmatched from service, repair, certification and calibration through operator training and software maintenance and upgrades.



World-class service made simple

Hexagon offers a wide range of support services extending well beyond the point of purchase. Delivered by experienced and skilled engineers at ISO-certified laboratories, local Hexagon Precision Centres or even on-site to minimise downtime, our after-sales portfolio is the most complete on the market.

- Maintenance and warranty plans that ensure equipment availability
- Trouble-free usage and minimal downtime
- Preferred hotline access at no additional cost
- Access to professional advice whenever needed

Customer Care Packages

Owners of the Hexagon laser tracker products featured in this brochure also have the opportunity to invest in a Customer Care Package designed to ensure equipment remains in top condition and can be relied on for accurate measurement results throughout a lifetime of use.

Customer Care Packages include a selection of the following benefits, depending on the tier chosen.

	Platinum	Gold	Silver	Bronze
Planned annual service	✓	✓	✓	✓
Customer hardware support	✓	✓	✓	✓
Annual maintenance and recertification	✓	✓	✓	
Remote connected assistance	✓	✓		
Repair parts and labour	✓			
Customised local benefits	✓	✓	✓	✓

For complete details of the benefits of each level of Customer Care Package, please contact a local Hexagon representative.



Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that use data from design and engineering, production and metrology to make manufacturing smarter.

Learn more about Hexagon (Nasdaq Stockholm: HEXA B) at hexagon.com and follow us @HexagonAB.

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