



PRESTO Quality Stations

Speed, quality, accuracy.
The launchpad for all possible futures.

PRESTO Quality Stations stands as a cutting-edge, modular, automated inspection solution. Seamlessly integrates, adapts and evolves to meet your diverse and agile modern manufacturing demands.

Redefining the mission of quality excellence

Find your perfect balance

Leveraging our industry expertise, our engineers expertly craft the perfect custom, cost-effective solution designed for your success.

- Discover the industry's first turn-key solution with Hexagon's leading measurement inspection scanning technologies
- Benefit from robust, safe and easily maintained kinematics, whether using a robot-driven axis or a rotary table
- Enjoy reliable, repeatable operations with intuitive robotics software within your preferred metrology workflow



Sensors magnification

Three top of the line sensors to choose from



Leica Absolute Tracker AT960 with Absolute Scanner AS1

Absolutely automated scanning performance

1.2 million points/second scanning combined with 1000 Hz 6DoF tracking makes the AT960 and AS1 a market-leading solution for high-productivity data-rich automated inspection. Thanks to SHINE technology and Absolute Encoders, clean data collected with speed and precision is the new standard robotic inspection cells are measured against.



HYPERSCAN Series

Simplified scanning for maximum productivity

This smart optical tracking 3D scanner series offers high-resolution scanning and real-time dynamic tracking efficiency, that make it ideal for automation systems on the shop floor. Its multi-scanning mode ensures enhanced scanning workflows, powered by an 81-blue-laser-line scanning array and unique hole flash capture and edge detection functionalities.



Leica Absolute Tracker ATS800

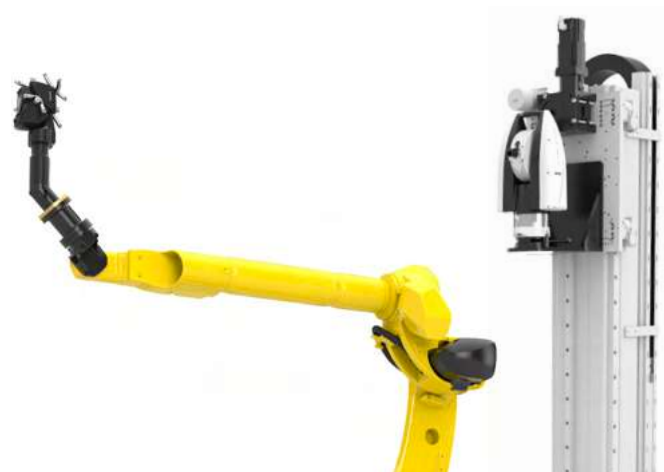
High accuracy meets simplicity

The ATS800 delivers unparalleled measurement accuracy from a distance, enabling faster and safer inspection of fine edges and critical features. The combination of direct scanning with reflector measurement simplifies programming, alignment and execution, while reducing collision risks by allowing high-accuracy feature measurement without close proximity to the part.

Absolute Tracker with AS1

Automated inspection has never been so fast and precise

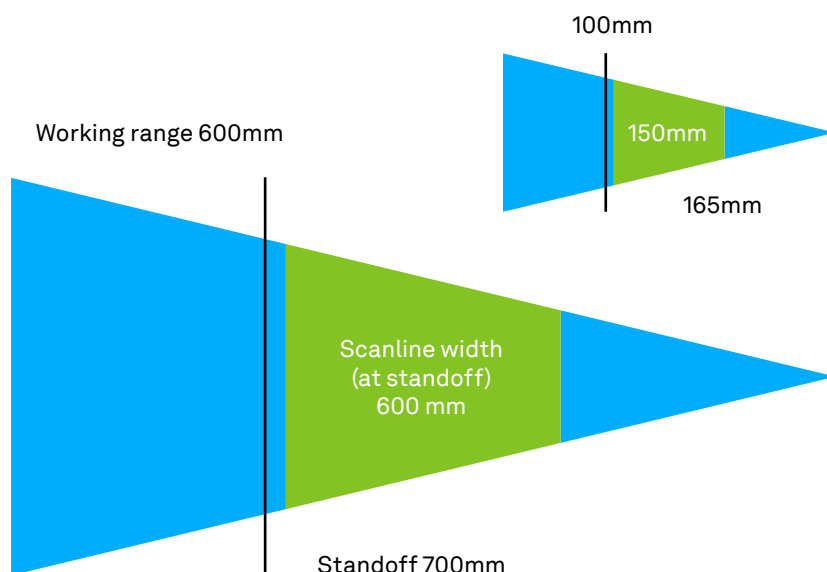
- Immediate and consistent accuracy independent from the robot model, as the robot acts as only a carrier of the scanner while the AT960 delivers positioning with absolute accuracy
- Powered by SHINE technology, the AS1 can scan almost any material or finish at high speed without spray or part preparation
- With scanning at 1.2 million points per second, robot speed isn't limited by the speed of the sensor allowing for ambitious robot programming and truly high-speed automated digitisation



ATS960 with AS1

For customers looking for:

- Consistent, traceable measurements in high-throughput environments
- Spray-free digitisation of diverse materials with SHINE technology
- Absolute accuracy, independent of robot brand or model
- High-speed 6DoF scanning with no part preparation
- Scalable automation with 1.2M pts/sec data capture
- Seamless integration into robotic inspection cells



AS1

1.2 million pts/s



AS1-XL

1.2 million pts/s

AS1-XL hidden-point measurement capability
= depth up to 1m

HyperScan Series

HYPERSCAN Ultra and HYPERSCAN Super

Simplified scanning for maximum productivity

- Smart optical tracking 3D scanner with a medium-to-large measurement range
- Multi-scanning mode – improves scanning efficiency by allowing you to tailor your scanning technique to what you are scanning
- High-speed scanning allows for high-speed robot movement and fast coverage of large surfaces
- Dynamic tracking – allows for smooth scanning in rough and unstable environments

HYPERSCAN Ultra

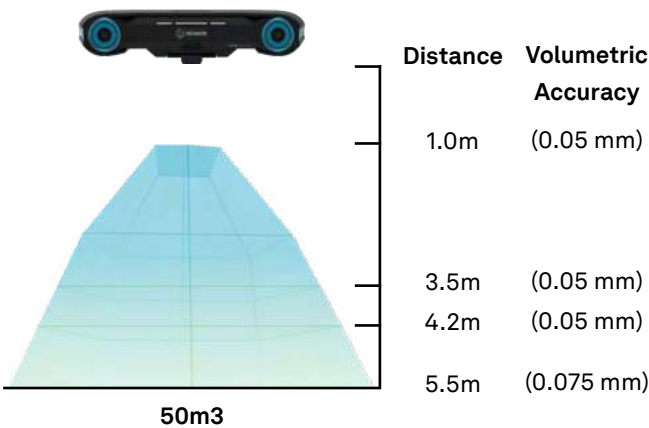
Small range - optical tracking 3D scanning system



HYPERSCAN

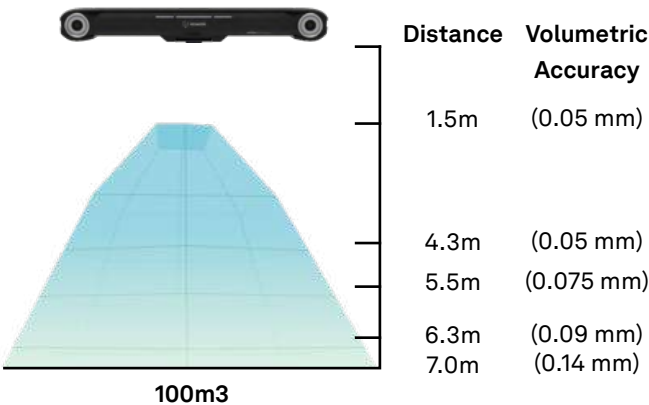
For customers looking for:

- Cost-effective medium-to-large-volume scanning solution
- Flexible scanning modes for different applications
- Dynamic tracking capability
- Target-free scanning



HYPERSCAN Super

Larger range - optical tracking 3D scanning system





Leica Absolute Tracker ATS800

Every detail at a distance

Absolutely automated scanning performance

- High-accuracy, direct measurement of features, edges and surfaces from a distance
- Combining direct scanning and reflector tracking for improved efficiency and safety
- Dependable speed, quality, integration, automation and ease of use all wrapped up in one device, backed by local, world-class technical support all over the world



Horizontal: 360°

ATS800

For customers looking for:

- High-Accuracy inspection of features and edges, delivering consistent and traceable results
- Streamlined single device process that doesn't require a full robot arm
- No robot safety and collision concerns
- Simpler robot programming



Vertical: $\pm 140^\circ$



PRESTO applications by cell configuration and part size

Automotive

Reference part	PRESTO M	PRESTO L	PRESTO XL
Stamped Parts	●	●	●
Hang On Parts / Closures	●	●	●
Battery Tray	●	●	●
Side Panel		●	●
Underbody			●
Body In White			●

Aerospace

Reference part	PRESTO M	PRESTO L	PRESTO XL
Turbine blades	●		
Landing gear small components	●		
Wing airfoil	●	●	●
Wing ribs		●	●
Landing gear doors		●	●
Fuselage panels		●	●
Plane engine			●

TECHNICAL SPECIFICATIONS

PRESTO M all sensors

Software

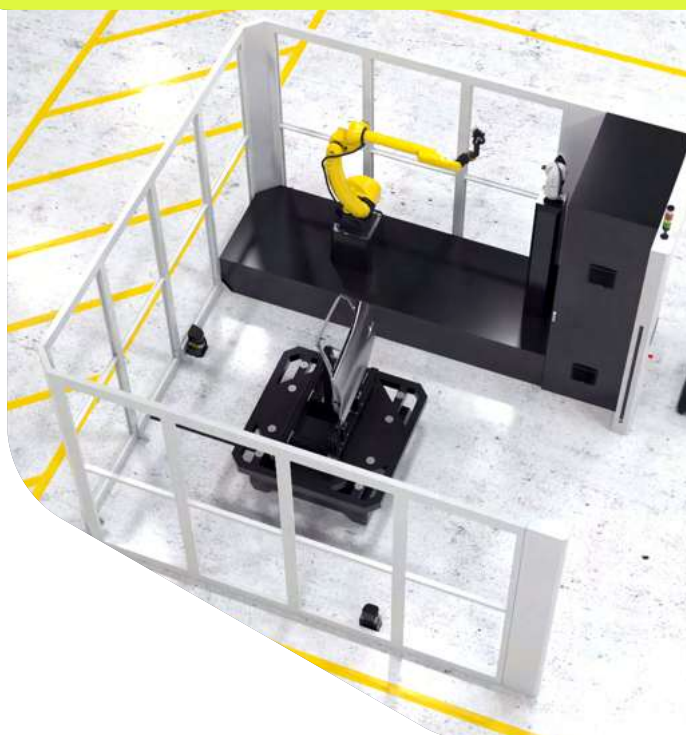
Qty of workstations	1
Online operations	1 x license HxGN Robotic Automation 1 x license PC-DMIS / Inspire / PolyWorks

Accessories

Rotary Table	Included : 1 x Rotary Table (choice of tubular or machined plate)
POKA-YOKE camera	Optional
Integrated barcode reader	Optional

PRESTO M Standard Configuration

Length	4 500 mm / 14.76 ft
Depth	4 580 mm / 15.03 ft
Height	3 400 mm / 11.15 ft
Height in operation	3 500 mm / 11.48 ft
Recommended height	4 000 mm / 13.12 ft
System total weight	3 500 kg / 7,716.18 lbs
Floor specifications	- Single section concrete slab, C20/25 (EN 206-1) with ideal stiffness - Minimum depth 190mm / 7.48in - Max irregularities 2 mm per m² / 0.007 in per ft²
Markings	CE or UL
Configurations	Left or Right
Power Supply	- EU: 400 Vac (3ph, In 32A, 50Hz) - NA: 480 Vac (3ph, In 30A, 60Hz)



Operating informations

Inspection zone	1 - operated by a rotary table
Measuring station payload (part + fixturing)	3 000 kg / 6,613.87 lbs
Max Part Dimension	Largest diagonal : 3 000 mm / 9.84 ft
Loading from ceiling	Crane or rig
Loading from front access	Max width 2 800 mm / 9.19 ft
Safety : vertical light curtain	1
Safety : radar sensors	2
System IP rating	IP 20
Ambient operating temperatures Note: Maximum temperature inside the cabinet should not exceed 40°C (104°F)	Humidity less than 75% non condensating °C : 10° to 40° °F : 50° to 104°
Noise level	<70 dB
Power consumption	Consumption : 10.5 kVA

TECHNICAL SPECIFICATIONS

PRESTO L all sensors

Software	
Qty of workstations	1
Online operations	1 x license HxGN Robotic Automation 1 x license PC-DMIS / Inspire / PolyWorks

Accessories	
Rotary Table	Optional Payload 3 000 kg / 6,613.87 lbs Largest part diagonal : 3 000 mm / 9.84 ft"
POKA-YOKE camera	Optional
Integrated barcode reader	Optional

PRESTO L Standard Configuration	
Length	10 000 mm / 32.81 ft
Depth	5 500 mm / 18.04 ft
Height	3 400 mm / 11.15 ft
Height in operation	3 500 mm / 11.48 ft
Recommended height	4 000 mm / 13.12 ft
System total weight	4 800 kg / 10,582.19 lbs
Floor specifications	- Single section concrete slab, C20/25 (EN 206-1) with ideal stiffness - Minimum depth 220mm / 8.66 in - Max irregularities 2 mm per m² / 0.007 in per ft²
Markings	CE or UL
Configurations	Left or Right
Power Supply	- EU: 400 Vac (3ph, In 32A, 50Hz) - NA: 480 Vac (3ph, In 30A, 60Hz)



Operating informations	
Inspection zone	1 - free space scanning area
Measuring station payload (part + fixturing)	Illimited, provided ground condition
Max Part Dimension	6,000 x 2,500 x 2,000 mm / 19.69 x 8.20 x 6.56 ft
Loading from ceiling	Crane or rig
Loading from front access	Max width 3,340 mm / 10.96 ft
Safety : vertical light curtain	1
Safety : radar sensors	4
System IP rating	IP 20
Ambient operating temperatures Note: Maximum temperature inside the cabinet should not exceed 40°C (104°F)	Humidity less than 75% non condensating °C : 10° to 40° °F : 50° to 104°
Noise level	<70 dB
Power consumption	9.8 kVA / 15.2 kVA with optional rotary table

TECHNICAL SPECIFICATIONS

PRESTO XL all sensors

Software

Qty of workstations	2
Online operations	1 x license HxGN Robotic Automation 1 x license PC-DMIS / Inspire / PolyWorks

Accessories

Rotary Table	N/A
POKA-YOKE camera	Optional
Integrated barcode reader	Optional

PRESTO XL Standard Configuration

Length	10 000 mm / 32.81 ft
Depth	7 500 mm / 24.61 ft
Height	3 400 mm / 11.15 ft
Height in operation	3 500 mm / 11.48 ft
Recommended height	4 000 mm / 13.12 ft
System total weight	8 800 kg / 19,400.48 lbs
Floor specifications	- Single section concrete slab, C20/25 (EN 206-1) with ideal stiffness - Minimum depth 220mm / 8.66 in - Max irregularities 2 mm per m² / 0.007 in per ft²
Markings	CE or UL
Configurations	Single
Power Supply	- EU: 400 Vac (3ph, In 32A, 50Hz) - NA: 480 Vac (3ph, In 30A, 60Hz)



Operating informations

Inspection zone	1 - free space scanning area
Measuring station payload (part + fixturing)	Illimited, provided ground condition
Max Part Dimension	6,000 x 2,500 x 2,000 mm / 19.69 x 8.20 x 6.56 ft
Loading from ceiling	Crane or rig
Loading from front access	Max width 3,490 mm / 11.45 ft
Safety : vertical light curtain	1
Safety : radar sensors	5
System IP rating	IP 20
Ambient operating temperatures Note: Maximum temperature inside the cabinet should not exceed 40°C (104°F)	Humidity less than 75% non condensating °C : 10° to 40° °F : 50° to 104°
Noise level	<70 dB
Power consumption	16.8 kVA

DETAILED SENSOR SPECIFICATIONS

		HYPERSCAN Ultra	HYPERSCAN Super	ATS800	AS1	AS1 + 200mm extension	AS1 XL
Number of measuring device		1 x HYPERSCAN Ultra + 1 x Track-Ultra	1 x HYPERSCAN Super + 1 x Track-Super	1 x ATS800	2 x AS1 2 x AT960SR	2 x AS1 2 x extension bar 200mm 2 x AT960MR	2 x AS1 XL 2x AT960MR
Laser source		81 Blue Laser Lines+Extra Single Laser Line+34 Blue Laser Lines	81 Blue Laser Lines+Extra Single Laser Line+34 Blue Laser Lines	Truepoint interferometer	Blue laser line	Blue laser line	Blue laser line
Measurement rate - standard		8.3 million points/s	8.3 million points/s	2000 Hz	1.2 million points/s	1.2 million points/s	1.2 million points/s
Volumetric accuracy		Tracking distance-3.5m (13m³) 0.060mm Tracking distance-4.2m (22m³) 0.075mm Tracking distance-5.5m (50m³) 0.09mm	Tracking distance-3.5m (13m³) 0.05mm Tracking distance-4.2m (22m³) 0.05mm Tracking distance-5.5m (50m³) 0.075mm Tracking distance-6.3m (74m³) 0.09mm Tracking distance-7m (100m³) 0.14mm	0.021 mm + 0.0085 mm/m Tracking range 3.5m - 7m	0.050 mm Tracking range 3.5m - 7m	0.063 mm Tracking range 3.5m - 7m	0.0150 mm Tracking range 3.5m - 7m
Resolution		Up to 0.02mm	Up to 0.02mm		0.027 mm (Near range)	0.027 mm (Near range)	0.08 mm (Near range)
Laser class		Class II (Eye safe)	Class II (Eye safe)	Class II (Eye safe)	Class II (Eye safe)	Class II (Eye safe)	Class II (Eye safe)
Scanning area		Up to 610*640mm	Up to 610*640mm	360° horizontally, 145° vertically	150mm line at mid range	150mm line at mid range	600mm line at mid range
Stand- off distance	Fine scan	150-250 mm	150-250 mm	0.8 to 40m from the tracker	165 ± 50mm Working range 100 mm	165 ± 50mm Working range 100 mm	700 ± 300 mm Working range 600 mm
	Standard and single laser	200-450 mm	200-450 mm				
	Long-range	200-750 mm	200-750 mm				
Tracker frequency		100Hz	100Hz	2000 Hz	Max 300 Hz	Max 300 Hz	Max 300 Hz
Sanner motion modules		Fanuc M-20iD/12L robotic arm	Fanuc M-20iD/12L robotic arm	N/A	Fanuc M-20iD/12L robotic arm	Fanuc M-20iD/12L robotic arm	Fanuc M-20iD/12L robotic arm
Scanner weight		1.5kg	1.5kg	N/A	2.71 kg (4.14 kg including robot adaptors)	3.76 kg (5.14 kg including robot adaptors)	2.71 kg (4.14 kg including robot adaptors)
Scanner dimension		204*263*280mm	204*263*280mm	N/A	347*147*169 mm	474*147*350 mm	347*147*169 mm
Tracker motion module		Güdel linear axis	Güdel linear axis	Güdel linear axis	Güdel linear axis	Güdel linear axis	Güdel linear axis
Tracker weight		5.7 kg	7.4kg	<14 kg	14.2kg	14.2 kg	14.2 kg
Tracker dimension		678*159*125mm	1078*159*125mm	477*258*258 mm	477*258*258 mm	477*258*258 mm	477*258*258 mm
Operating temperature		-10-40°C	-10-40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C
Operating humidity (non-condensing)		10-90% RH	10-90% RH	max. 95 %	max. 95 %	max. 95 %	max. 95 %
Connection standard		USB 3.0/Ethernet	USB 3.0//Ethernet	Ethernet Cat6	Ethernet Cat6	Ethernet Cat6	Ethernet Cat6

Hardware options

Fanuc M-20iD/12L robotic arm

Precise and fast handling

- Outstanding axis speed and ultimate precision
- Very long horizontal stroke
- Hollow robot design mitigates scale wear

Axis Robot	6
Reach	2,272 mm / 7.45 ft
Load capacity	12 kg / 26.5 lb
Holder	Hexagon PRESTO Riser for Fanuc M-20iD/12L



DynaTrack for PRESTO Quality Stations

Automate Absolute Tracker movements over X and Z axes

- The overall motion kinetics ensure the tracker keeps constant line of sight with the scanner even in challenging areas (interiors) ensuring excellent tracking of each point
- For the ATS800, overall motion kinetics ensure the tracker keeps direct line of sight to the object features
- DynaTrack mitigates the need to perform relocation procedures for part repositioning - the acquisition performance of the scanner is maintained continuously within the working range for non-stop operations

Axis Robot	6
Reach	X-axis: 0 to 6,000mm / 0 to 19.69 ft Z-axis: 0 to 1,750mm / 0 to 5.74 ft

HxGN Robotic Automation

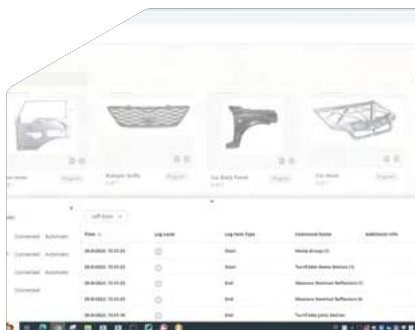
Your path to automation - simplified

The cell is delivered with HxGN Robotic Automation pre-installed, the operator only needs to load the CAD / PMI file of the part to be inspected:

- Automatic robot path generation makes programming easier than ever
- Real-time collision detection and avoidance tools to ensure safe robot path generation
- While the engineer is programming the path (manual or auto) at his desk, the cell at the shop-floor can continue to work on inspecting other parts – both work on their tasks independently and simultaneously

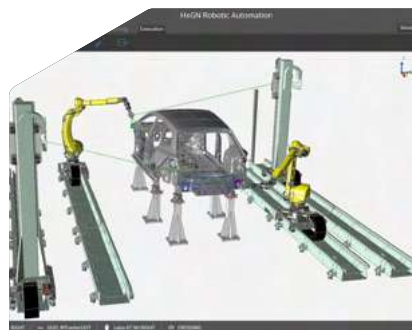


HxGN Robotic Automation



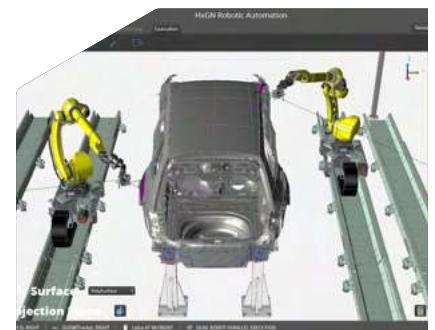
End-to-end workflow with no task left unattended

PRESTO's built-in workflow enhancements minimise human errors and skill gaps. With the HxGN Robotic Automation Execution Manager, job preparation and validation leave no room for chance, guaranteeing that every inspection task is duly completed.



New: R-Sync Command

This command enables simultaneous execution of the left and right robots. Unlike sequential robot execution, PRESTO will reduce the overall inspection time by having the parts scanned by the 2 robots in parallel.



New: Tracker X'ing Command

This capability allows Tracker A to lock on Scanner B, and the same for Tracker B on Scanner A. This switch enhances the scanner to be tracked even when accessing the most challenging areas.

Hexagon software suite for inspection cells



Inspire

Next-generation metrology software driving simplicity and productivity in portable probing and scanning

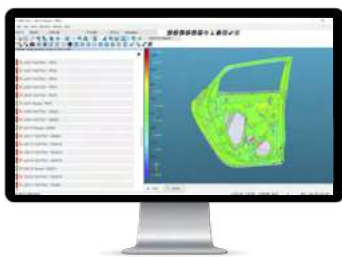
- **Measurement:** All-inclusive package containing all the capabilities needed to collect probing and scanning data
- **Analysis:** Features being measured will display in the graphical Heads-Up Display (HUD) with basic form checks and fit statistics for real-time feedback
- **Reporting:** On board reporting built specifically to support Inspire's unique feature-based measurements. Import data into Metrology Reporting for centralized and collaborative functionality.



eMMA

Structured management and analysis of all 3D quality data across the product development cycle

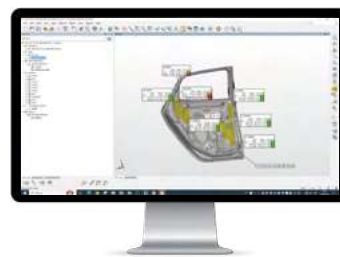
- Metrology system neutral tool - support of heterogeneous data formats in a single environment
- Real-time monitoring of your production quality
- Scalable solution from small and medium size companies to large manufacturers



PC-DMIS

World leading, cross-platform metrology

- PC-DMIS provides a complete suite of programming capabilities for the creation and execution of measurement routines - for sheet metal, prismatic parts and complex geometries.
- Full Integration with HxGN Robotic Automation for fast, convenient operation.
- Comprehensive support for GD&T with support for ASME Y14.5 and ISO 1101 standards. PC-DMIS ensures precision and consistency across manufacturing and inspection processes.



PolyWorks
Inspector

Universal 3D dimensional analysis and quality control software

- Offline inspection tasks planification using Polyworks usual procedure
- Single-click connection towards HxGN Robotic Automation for collision-free path planning
- Data streamed from PRESTO generates report and visualisation under Polyworks formats

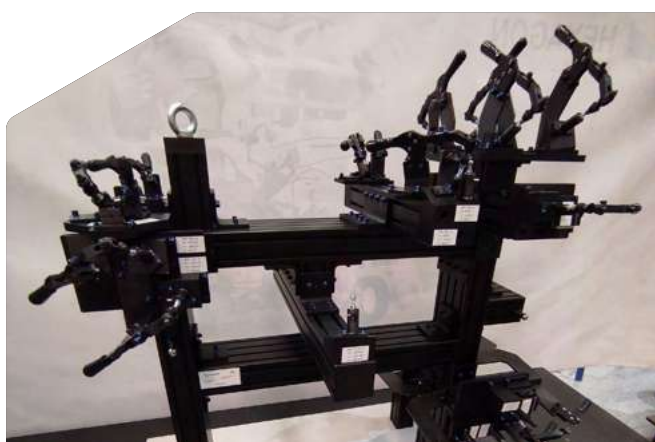
Tailor the service you need and get your cell running from Day 1

No compromise on service excellence

In the world of industrial manufacturing solutions, Hexagon's commitment to excellence extends beyond cutting-edge robotics and automation technology, raising the bar for after-sales care and customer satisfaction. At the heart of this service is a comprehensive maintenance programme, meticulously designed to ensure the longevity and optimal performance of every solution delivered.



- @ Single touchpoint
- 📄 One contract
- ⚙️ One delivery, one installation, one commissioning
- 📞 Hotline and assistance during the entire equipment service life
- 📈 Scalable to your needs



Fixturing services

Regardless of the complexity of the fixture you need, you can confidently entrust the design and/or production to our team of dedicated engineers.



Programming service

We also have the ability to dispatch additional support to assist you in rapidly ramping up : feel free to enquire the programming services provided by our application engineering team when needed.

Maintenance service

No compromise on service excellence

Description		Year 1		Year 2		Year 3+	
		Warranty	Essential	Premium	Essential	Premium	Add on
Support	Hotline support from 8:00 to 17:00 hours	●	●	●	●	●	
	Remote support (Teamviewer)	●	●	●	●	●	
FUSION Cell Services	Annual first level preventive maintenance	●	●	●	●	●	
	Cell warranty extension			●		●	
	Robot warranty extension			●			
Measurement device services (AT960 + AS1) (1)	Annual preventative maintenance	●	●	●	●	●	
	Annual calibration and Certification (17025 / ISO 10360-10)	●	●	●	●	●	
	Firmware updates	●	●	●	●	●	
	Assembly and dissembly of the tracker by Hexagon specialist	●	N/A	●	N/A	●	
	Laser module warranty	●	N/A	●	N/A	●	
	Loan system during maintenance including delivery	N/A	N/A	●	N/A	●	●
Software maintenance	Software updates and bug-fixing versions of application	●	●	●	●	●	
Other benefits	Computer coverage	●	●	●	Discount	●	
	Repair labour coverage	●	●	●	Discount	●	
	Spare parts coverage	●	●	●	Discount	●	
	Discount on accessories	Discount	Discount	Discount	Discount		
	Automation on-site service discount	Discount	Discount	Discount	Discount		
	Consultation services discount	Discount	Discount	Discount	Discount		
	Fixure desing service discount	Discount	Discount	Discount	Discount		

Enhance your PRESTO towards future applications

FROM - TO ▾	PRESTO L	PRESTO L with RT	PRESTO XL
PRESTO M		● ●	● ● ●
PRESTO L		●	● ● ●

- Add Kinetics / Rotary Table
- Footprint extension + extra fencing modules
- Extra laser sensor kit + workstation

The modularity of PRESTO allows you to timely consider upgrading to capabilities that were not possible to envision at the initial moment. This built-in scalability is one of the solutions that the Hexagon group provides to the need to support sustainable and responsible manufacturing.

Hexagon is the global leader in measurement technologies. We provide the confidence that vital industries rely on to build, navigate, and innovate. From microns to Mars, our solutions ensure productivity, quality, and sustainability in everything from manufacturing and construction to mining and autonomous systems.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,800 employees in 50 countries and net sales of approximately 5.4bn EUR. Learn more at hexagon.com.