HEXAGON
MANUFACTURING INTELLIGENCE

ROMER ABSOLUTE ARM
PORTABLE MEASURING ARMS & ACCESSORIES

This catalog contains the complete range of products and accessories available for ROMER Absolute Arms. Regardless of your particular application and the Hexagon Manufacturing Intelligence Products you use, we have you covered.

All of our products and accessories offer the same top-notch, no-nonsense design and quality you expect from Hexagon Manufacturing Intelligence

If you have any questions about our products or accessories, please contact your authorized sales person to receive competent guidance and make an appropriate purchasing decision.

Sincerely,
Your Hexagon Manufacturing Intelligence Products Team

Important Note

The images in this document are for reference only and are subject to change without notice. The color, the shape and the weight of the products can be different from the delivered ones.

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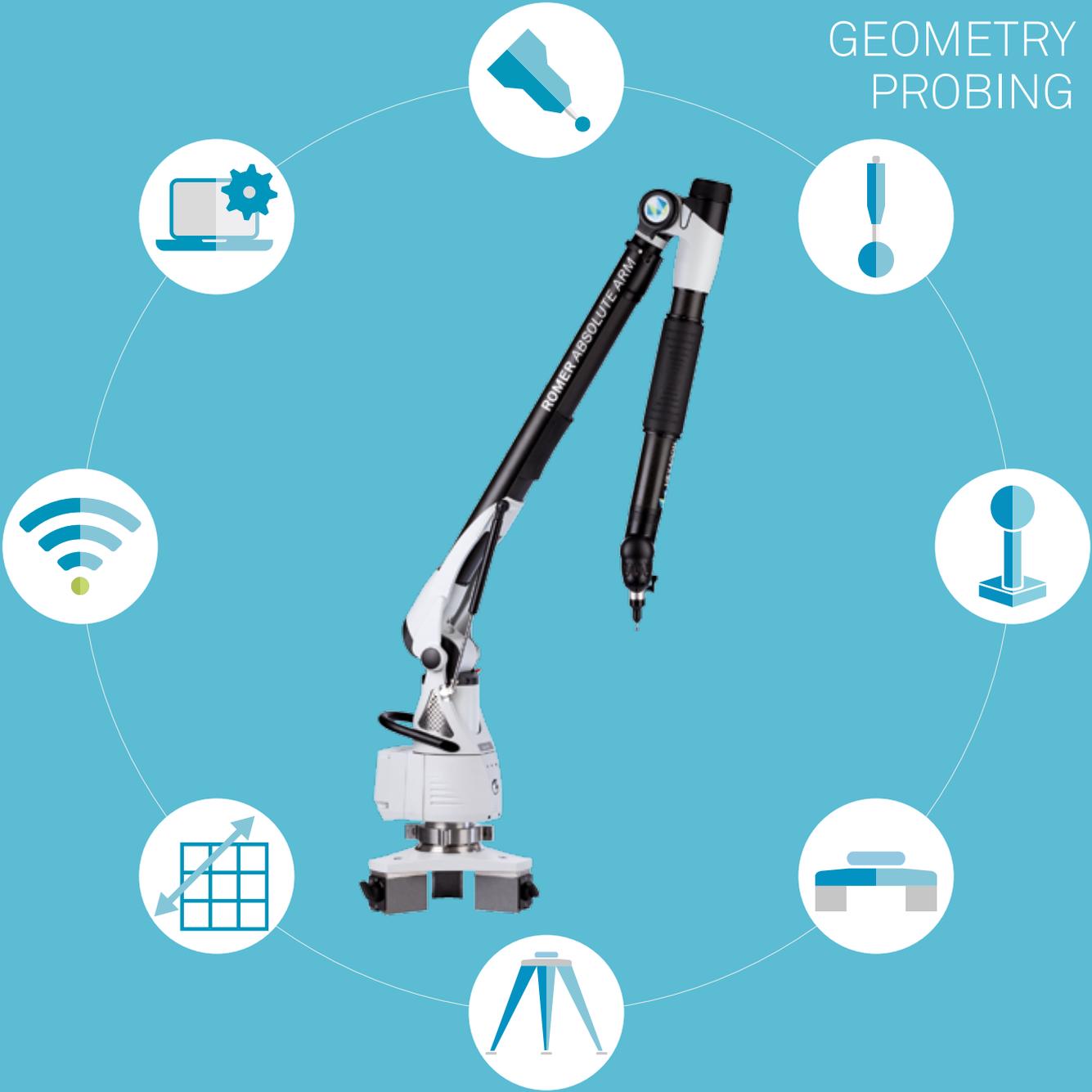
Symbols

☑ : standard delivery

✓ : compatible with the item or accessory

– : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

TABLE OF CONTENTS

GEOMETRY
PROBING

TUBING

REVERSE-
ENGINEERING
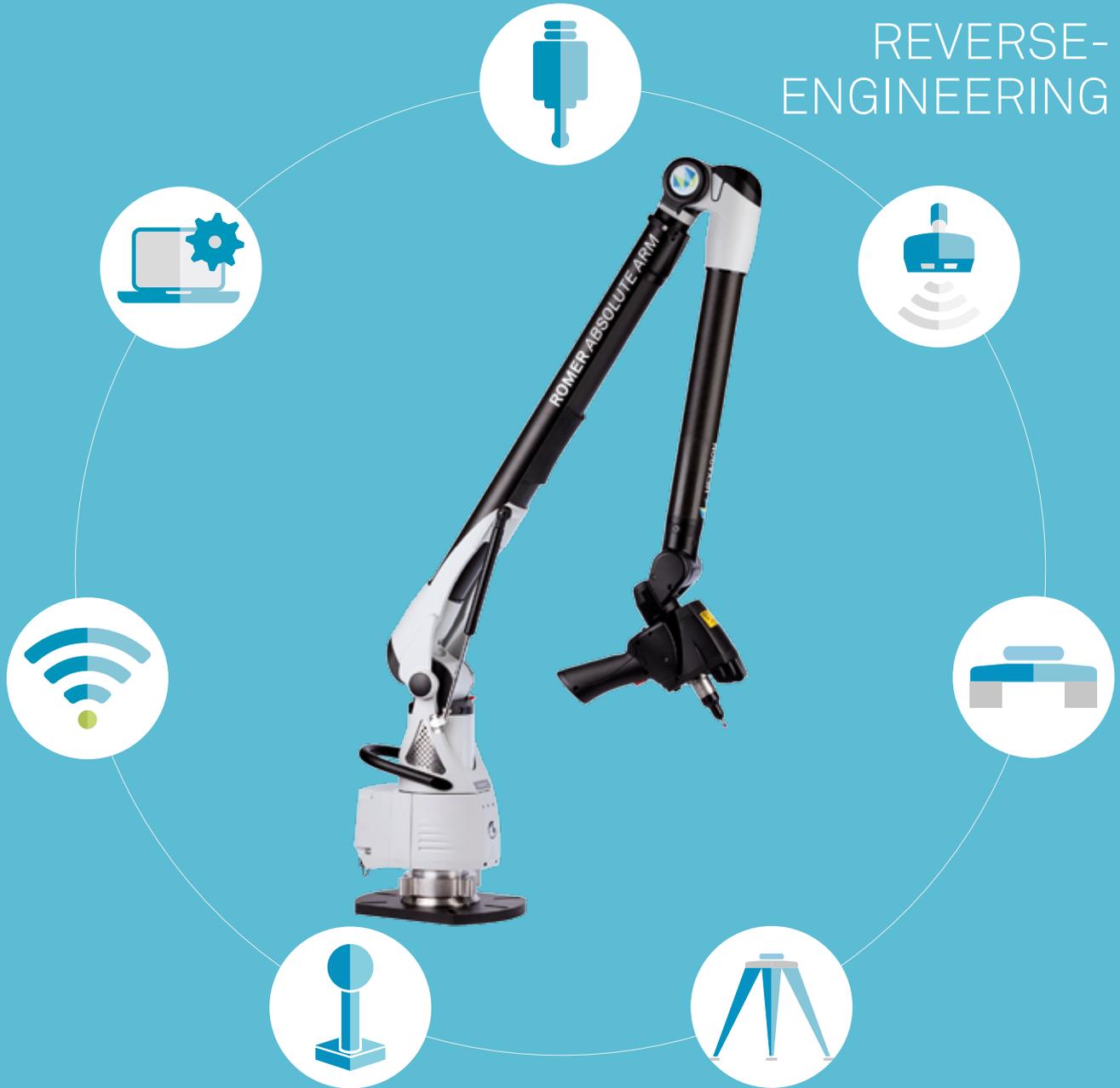
INSPECTION
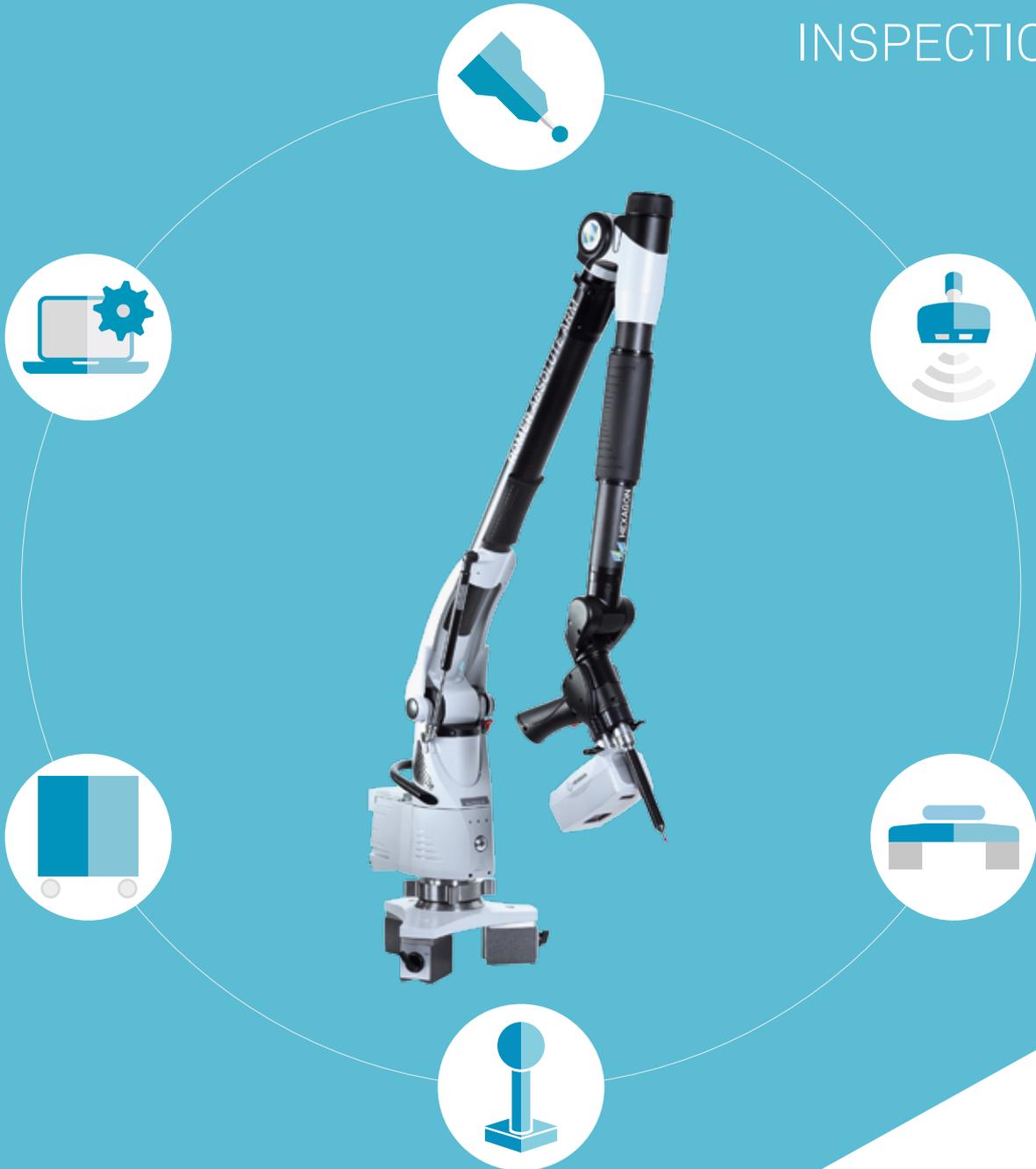
ROMER ABSOLUTE ARMS

☑ : standard delivery

✓ : compatible with the item or accessory

– : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

Absolute Encoders
Referencing and warm-up time is a thing of the past – just switch the arm on and measure

Measurement Volume
Available in seven lengths providing measurement volumes with diameters between 1.2 m and 4.5 m

Certification
All ROMER Absolute Arms including scanning systems pass through B89.4.22 certification.
Additional certifications according to VDI/VDE 2617-9 or ISO 10360-2 are available

Zero G
Counterbalance system minimises torque in the base of the arm, allowing effortless movement and greater freedom in mounting options, including lightweight tripods and magnetic and vacuum bases.

SmartLock
Lock the arm safely in the rest position when not in use, or conveniently fix the arm in any intermediate position during measurement

Laser Scanning
The ROMER Absolute Arm is available with a completely integrated high-performance laser scanner or the external HP-L-20.8 scanner, for complex scanning tasks.
ROMER Absolute Arms are the only scanning systems on the market to offer fully verifiable scanning system accuracy.

Auto Probe Recognition
Swap touch probes at any time without the need to recalibrate – repeatable mount allows probe changing on the fly according to measurement needs

Robust Feedback
Instant acoustic and haptic feedback, allowing the system to be used in even the harshest industrial environments

Feature Packs
Easily interchangeable Feature Packs enhance functionality for all arm models, from wi-fi connection and laser scanning to full battery-powered operation

RDS
Proprietary software featuring SMART technology that allows total management of checks in the field as well as temperature and shock monitoring

Materials
Carbon fibre makes the arm rock-solid under any environmental condition such as temperature changes

Grips
Facilitates easier handling of the arm on larger parts

User aids
Wrist features incorporated mouse function, a work light and an integrated digital camera

ROMER Absolute Arm
The 6-axis ROMER Absolute Arm is designed for highly-accurate tactile measurements on countless types of workpiece. It allows for reliable touch-probe measurement and inspection of almost anything including sheet metal parts, plastic components or carbon fibre structures. If your measurement jobs require laser scanning later, an upgrade is possible at any time.

ROMER Absolute Arm with integrated Laser Scanner
Freedom of movement: with a fully integrated and certified RS4 laser scanner, this is an all-purpose metrology system for almost any measurement need. Point cloud inspection, product benchmarking, reverse engineering, rapid prototyping, virtual assembly or CNC milling are just some of the typical laser scanning applications that can be added to the rich portfolio of touch-probe measurement applications. The integrated laser scanner is designed to capture data from almost any object surface. It does not need warm-up time or additional cables and controllers. Scanner and probe measurements are combined in the same software session.

ROMER Absolute Arm with external Laser Scanner
The ROMER Absolute Arm with external scanner is the high-end laser scanning platform designed for the HP-L-20.8 laser scanner from Hexagon Manufacturing Intelligence.
The ROMER Absolute Arm offers first-class performance on the most complex surface types. Automatic laser control means that multiple surface colours can be scanned in a single pass. Thanks to the HP-L-20.8's unique flying dot technology, the scan width and point density are entirely variable, allowing the user to guarantee maximum scan detail where it's needed most.

Accuracy Specifications

All probing specifications are achieved with a ROMER Absolute Arm mounted on a standard base plate or magnetic base which you will find in this catalogue under stable environmental conditions. The equipment accuracy is not guaranteed with all other stands and volume extension products.

Nomenclature

RA7525SE

SE	Scanner External
SI	Scanner Integrated
T	Arm for Tube inspection

12	1.2 m
20	2.0 m
25	2.5 m
30	3.0 m
35	3.5 m
40	4.0 m
45	4.5 m

71	series - entry level
73	series - medium level
75	series - high level
77	series - top level

RA	*ROMER Absolute Arm*
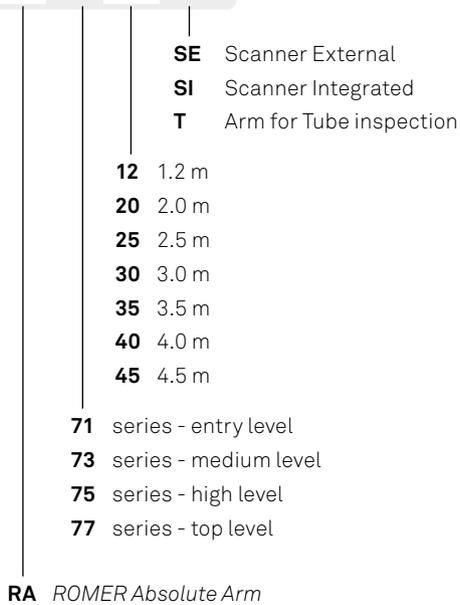
Main Features (according to the type of arm)

ROMER ABSOLUTE ARM COMPACT

Versatile 6-axis portable measuring arm, including:

Counterweight
TKJ 3 mm / 6 mm / 15 mm ball probes
RDS calibration and interface software
Certified calibration sphere probing

Travel case
*B89.4.22 / ISO 10360-2 certificate ***
1 year warranty

H00001006-12   **ROMER Absolute Arm 7312**
1.2 m measurement volume

H00001008-12   **ROMER Absolute Arm 7512**
1.2 m measurement volume

Series		73	75
Counterbalance	Counterweight	☑	☑
Mounting base	Integrated Base	☑	☑
	H00000896 – Magnetic anchors x3	opt	opt
	NCA7-5-52682 – Magnetic blocks	opt	opt
	100 KG x3		
Probes	TKJ – ø 15mm	☑	☑
	TKJ – ø 6mm	☑	☑
	TKJ – ø 3mm	☑	☑
Scanner	H00000352 – HP-L-8.9T2	opt	opt
Cables	USB – 3m	☑	☑
	PowerSupply	☑	☑
Software	USB installation disk:		
	RDS driver and interface	☑	☑
	User manuals	☑	☑

Series		73	75
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4 mm	☑	☑
Verification	32377 – Verification bar – 305mm	opt	opt
Feature Pack /	NCA7-5-52303 – Scanning Pack, installed	opt	opt
Battery	H00000779-01 – Mobility Pack Plus, installed	opt	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed**	opt	opt
Camera / Worklight		☑	☑
Holding grips		✗	☑
Dust cover		☑	☑
Packaging	Hard travel case	☑	☑
Certification	ASME B89.4.22	☑	○*
	ISO 10360-2	opt	○*
Warranty	1 year	☑	☑

*: for the ROMER Absolute Arm Compact 7512, the certification can be chosen between B89.4.22 or ISO 10360-2.
**: wireless scanning not available.with HP-L-8.9

ROMER ABSOLUTE ARM 6-AXIS 71 SERIES

Versatile 6-axis portable measuring arm, available in South America and Asia,
Pacific, including:

- Zero G counterbalance
- Fixed plate
- Threaded 6 mm / 15 mm ball probes
- RDS calibration and interface software
- Calibration & verification plate
- Light box
- B89.4.22 certificate
- 1 year warranty

H00001016-25   **ROMER Absolute Arm 7125**
2.5 m measurement volume

H00001016-35   **ROMER Absolute Arm 7135**
3.5 m measurement volume

Counterbalance	Zero G	☑
Mounting base	NCA7-7-20780 – Fixed plate	☑
Probes	Threaded – ø 15mm	☑
	Threaded – ø 6mm	☑
	NCA7-2-21447 – TKJ adapter	opt
Scanner	H00000352 – HP-L-8.9T2	opt
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Calibration	NCA7-5-21466 Calibration plate	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		✕
Holding grips		✕
Dust cover		☑
Packaging	Light Box	☑
	Hard travel case	opt
Certification	ASME B89.4.22	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM TUBE INSPECTION

6-axis portable measuring arm, designed for Tube measurement, with a special counterbalance, including:

- *Zero G Counterbalance + SmartLock*
- *Base plate*
- *TKJ 3 mm / 6 mm / 15 mm ball probes*
- *RDS calibration and interface software*
- *Certified calibration sphere probing*
- *Travel case*
- *B89.4.22 certificate*
- *1 year warranty*

H00001015-25   **ROMER Absolute Arm 7325 T**
2.5 m measurement volume

H00001015-30   **ROMER Absolute Arm 7330 T**
3.0 m measurement volume

Counterbalance	SmartLock – Special Tube	☑
Mounting base	NCA7-5-21497 – Base plate	○
	NCA7-5-19866 – Magnetic Base	○
	NCA7-7-19225 – Circular magnetic base	○
	NCA7-3-53008 – Vacuum mounting base	○
	H00004220 – Mounting ring alone	○
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	H00000352 – HP-L-8.9T2	opt
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		☑
Holding grips		✗
Dust cover		☑
Packaging	Hard travel case	☑
Certification	ASME B89.4.22	☑
Warranty	1 year	☑
Tube probe	For tube probes please see page 41.	opt

ROMER ABSOLUTE ARM 6-AXIS 73 SERIES

6-axis portable measuring arm, designed for all purposes tactile measurements or laser scanning, including:

- Zero G Counterbalance + SmartLock
- Base plate
- TKJ 3 mm / 6 mm / 15 mm ball probes
- RDS calibration and interface software
- Certified calibration sphere probing
- Travel case
- B89.4.22 certificate
- 1 year warranty

H00001006-20	**ROMER Absolute Arm 7320**	2.0 m measurement volume
H00001006-25	**ROMER Absolute Arm 7325**	2.5 m measurement volume
H00001006-30	**ROMER Absolute Arm 7330**	3.0 m measurement volume
H00001006-35	**ROMER Absolute Arm 7335**	3.5 m measurement volume
H00001006-40	**ROMER Absolute Arm 7340**	4.0 m measurement volume
H00001006-45	**ROMER Absolute Arm 7345**	4.5 m measurement volume

Counterbalance	Zero G / SmartLock	☑
Mounting base	NCA7-5-21497 – Base plate	○
	NCA7-5-19866 – Magnetic Base	○
	NCA7-7-19225 – Circular magnetic base	○
	NCA7-3-53008 – Vacuum mounting base	○
	H00004220 – Mounting ring alone	○
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	H00000352 – HP-L-8.9T2	opt
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		☑
Holding grips		✗
Dust cover		☑
Packaging	Hard travel case	☑
Certification	ASME B89.4.22	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM 6-AXIS 75 SERIES

6-axis portable measuring arm, designed for highly accurate tactile measurements, or laser scanning, including:

- Zero G Counterbalance + SmartLock
- Base plate
- TKJ 3 mm / 6 mm / 15 mm ball probes
- RDS calibration and interface software

- Certified calibration sphere probing
- Travel case
- B89.4.22 certificate
- 1 year warranty

H00001008-20	**ROMER Absolute Arm 7520**	2.0 m measurement volume
H00001008-25	**ROMER Absolute Arm 7525**	2.5 m measurement volume
H00001008-30	**ROMER Absolute Arm 7530**	3.0 m measurement volume
H00001008-35	**ROMER Absolute Arm 7535**	3.5 m measurement volume
H00001008-40	**ROMER Absolute Arm 7540**	4.0 m measurement volume
H00001008-45	**ROMER Absolute Arm 7545**	4.5 m measurement volume

Counterbalance	Zero G / SmartLock	☑
Mounting base	NCA7-5-21497 – Base plate	○
	NCA7-5-19866 – Magnetic Base	○
	NCA7-7-19225 – Circular magnetic base	○
	NCA7-3-53008 – Vacuum mounting base	○
	H00004220 – Mounting ring alone	○
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	H00000352 – HP-L-8.9T2	opt
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		☑
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	ASME B89.4.22	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM 6-AXIS 77 SERIES

6-axis portable measuring arm, designed for high-end tactile measurements or laser scanning, including:

- *Zero G Counterbalance + SmartLock*
- *Base plate*
- *TKJ 3 mm / 6 mm / 15 mm ball probes*
- *RDS calibration and interface software*
- *Certified calibration sphere probing*
- *Travel case*
- *B89.4.22 certificate*
- *1 year warranty*

H00002364-25	**ROMER Absolute Arm 7725**	2.5 m measurement volume
H00002364-30	**ROMER Absolute Arm 7730**	3.0 m measurement volume
H00002364-35	**ROMER Absolute Arm 7735**	3.5 m measurement volume
H00002364-40	**ROMER Absolute Arm 7740**	4.0 m measurement volume
H00002364-45	**ROMER Absolute Arm 7745**	4.5 m measurement volume

Counterbalance	Zero G / SmartLock	☑
Mounting base	NCA7-5-21497 – Base plate	opt
	NCA7-5-19866 – Magnetic Base	☑
	NCA7-7-19225 – Circular magnetic base	opt
	NCA7-3-53008 – Vacuum mounting base	opt
	H00004220 – Mounting ring alone	opt
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	H00000352 – HP-L-8.9T2	opt
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
Verification	Verification bar	☑
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	☑
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		☑
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	ASME B89.4.22	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM SI 73 SERIES

7-axis portable measuring arm, with integrated scanner, for all purposes tactile measurements and laser scanning, including:

- *Zero G Counterbalance + SmartLock*
- *Base plate*
- *TKJ 3 mm / 6 mm / 15 mm ball probes*
- *Integrated RS4 Scanner*
- *RDS calibration and interface software*

- *Certified calibration sphere*
- *Travel case*
- *B89.4.22 certificate*
- *1 year warranty*

H00001013-20   **ROMER Absolute Arm 7320 SI**
2.0 m measurement volume

H00001013-25   **ROMER Absolute Arm 7325 SI**
2.5 m measurement volume

H00001013-30   **ROMER Absolute Arm 7330 SI**
3.0 m measurement volume

H00001013-35   **ROMER Absolute Arm 7335 SI**
3.5 m measurement volume

H00001013-40   **ROMER Absolute Arm 7340 SI**
4.0 m measurement volume

H00001013-45   **ROMER Absolute Arm 7345 SI**
4.5 m measurement volume

Counterbalance	Zero G / Smart Lock	☑
Mounting base	NCA7-5-21497 – Base plate	○
	NCA7-5-19866 – Magnetic Base	○
	NCA7-7-19225 – Circular magnetic base	○
	NCA7-3-53008 – Vacuum mounting base	○
	H00004220 – Mounting ring alone	○
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	Integrated – RS4	☑
Calibration	NCA7-5-20541 Certified mate sphere ø 25.4mm	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	○
	H00000779-01 – Mobility Pack Plus, installed	○
	H00001180 – RS Wireless Scanning Pack Plus, installed	○
Camera / Worklight		✕
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	Arm – ASME B89.4.22	☑
	Arm + Scanner	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM SI 75 SERIES

7-axis portable measuring arm, with fast integrated scanner, for highly accurate tactile measurement and laser scanning, including:

- Zero G Counterbalance + SmartLock
- Base plate
- TKJ 3 mm / 6 mm / 15 mm ball probes
- Integrated RS4 Scanner
- RDS calibration and interface software

- Certified calibration sphere
- Travel case
- B89.4.22 certificate
- 1 year warranty

H00001014-20	**ROMER Absolute Arm 7520 SI**	2.0 m measurement volume
H00001014-25	**ROMER Absolute Arm 7525 SI**	2.5 m measurement volume
H00001014-30	**ROMER Absolute Arm 7530 SI**	3.0 m measurement volume
H00001014-35	**ROMER Absolute Arm 7535 SI**	3.5 m measurement volume
H00001014-40	**ROMER Absolute Arm 7540 SI**	4.0 m measurement volume
H00001014-45	**ROMER Absolute Arm 7545 SI**	4.5 m measurement volume

Counterbalance	Zero G / Smart Lock	☑
Mounting base	NCA7-5-21497 – Base plate	O
	NCA7-5-19866 – Magnetic Base	O
	NCA7-7-19225 – Circular magnetic base	O
	NCA7-3-53008 – Vacuum mounting base	O
	H00004220 – Mounting ring alone	O
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	Integrated – RS4	☑
Calibration	NCA7-5-20541 Certified mate sphere ø 25.4mm	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	O
	H00000779-01 – Mobility Pack Plus, installed	O
	H00001180 – RS Wireless Scanning Pack Plus, installed	O
Camera / Worklight		✖
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	Arm – ASME B89.4.22	☑
	Arm + Scanner	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM SI 77 SERIES

7-axis portable measuring arm, with integrated scanner, for high-end tactile measurements and laser scanning, including:

- *Zero G Counterbalance + SmartLock*
- *Base plate*
- *TKJ 3 mm / 6 mm / 15 mm ball probes*
- *Integrated RS4 Scanner*
- *RDS calibration and interface software*

- *Certified calibration sphere*
- *Travel case*
- *B89.4.22 certificate*
- *1 year warranty*

H00002366-25	**ROMER Absolute Arm 7725 SI** 2.5 m measurement volume
H00002366-30	**ROMER Absolute Arm 7730 SI** 3.0 m measurement volume
H00002366-35	**ROMER Absolute Arm 7735 SI** 3.5 m measurement volume
H00002366-40	**ROMER Absolute Arm 7740 SI** 4.0 m measurement volume
H00002366-45	**ROMER Absolute Arm 7745 SI** 4.5 m measurement volume

Counterbalance	Zero G / Smart Lock	☑
Mounting base	NCA7-5-21497 – Base plate	opt
	NCA7-5-19866 – Magnetic Base	☑
	NCA7-7-19225 – Circular magnetic base	opt
	NCA7-3-53008 – Vacuum mounting base	opt
	H00004220 – Mounting ring alone	opt
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	Integrated – RS4	☑
Calibration	NCA7-5-20541 Certified mate sphere ø 25.4mm	☑
Verification	Verification bar	☑
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed	☑
Camera / Worklight		✗
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	Arm – ASME B89.4.22	☑
	Arm + Scanner	☑
Warranty	1 year	☑

ROMER ABSOLUTE ARM SE 73 SERIES

7-axis portable measuring arm, designed for all purposes tactile measurements
or laser scanning, including:

- Zero G Counterbalance + SmartLock
- Base plate
- TKJ 3 mm / 6 mm / 15 mm ball probes
- RDS calibration and interface software
- Certified calibration sphere probing
- Travel case
- B89.4.22 certificate
- 1 year warranty

H00001011-20	**ROMER Absolute Arm 7320 SE** 2.0 m measurement volume
H00001011-25	**ROMER Absolute Arm 7325 SE** 2.5 m measurement volume
H00001011-30	**ROMER Absolute Arm 7330 SE** 3.0 m measurement volume
H00001011-35	**ROMER Absolute Arm 7335 SE** 3.5 m measurement volume
H00001011-40	**ROMER Absolute Arm 7340 SE** 4.0 m measurement volume
H00001011-45	**ROMER Absolute Arm 7345 SE** 4.5 m measurement volume

Counterbalance	Zero G / Smart Lock	☑	**Scanner**	03939535 – HP-L-20.8 T	opt
Mounting base	NCA7-5-21497 – Base plate	○	**Calibration**	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
	NCA7-5-19866 – Magnetic Base	○	**Verification**	Verification bar	opt
	NCA7-7-19225 – Circular magnetic base	○	**Feature Pack / Battery**	NCA7-5-52303 – Scanning Pack, installed	opt
	NCA7-3-53008 – Vacuum mounting base	○		H00000779-01 – Mobility Pack Plus, installed	opt
	H00004220 – Mounting ring alone	○		H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Probes	TKJ – ø 15mm	☑	**Camera / Worklight**		✕
	TKJ – ø 6mm	☑	**Holding grips**		✕
	TKJ – ø 3mm	☑	**Dust cover**		☑
Cables	USB – 3m	☑	**Packaging**	Hard travel case	☑
	PowerSupply	☑	**Certification**	Arm – ASME B89.4.22	☑
Software	USB installation disk:			Arm + Scanner	opt
	RDS driver and interface	☑	**Warranty**	1 year	☑
	User manuals	☑			

ROMER ABSOLUTE ARM SE 75 SERIES

7-axis portable measuring arm, designed for highly accurate tactile measurements, or laser scanning, including:

- Zero G Counterbalance + SmartLock
- Base plate
- TKJ 3 mm / 6 mm / 15 mm ball probes
- RDS calibration and interface software

- Certified calibration sphere probing
- Travel case
- B89.4.22 certificate
- 1 year warranty

H00001012-20 **ROMER Absolute Arm 7520 SE**
2.0 m measurement volume

H00001012-25 **ROMER Absolute Arm 7525 SE**
2.5 m measurement volume

H00001012-30 **ROMER Absolute Arm 7530 SE**
3.0 m measurement volume

H00001012-35 **ROMER Absolute Arm 7535 SE**
3.5 m measurement volume

H00001012-40 **ROMER Absolute Arm 7540 SE**
4.0 m measurement volume

H00001012-45 **ROMER Absolute Arm 7545 SE**
4.5 m measurement volume

Counterbalance	Zero G / Smart Lock	☑
Mounting base	NCA7-5-21497 – Base plate	○
	NCA7-5-19866 – Magnetic Base	○
	NCA7-7-19225 – Circular magnetic base	○
	NCA7-3-53008 – Vacuum mounting base	○
	H00004220 – Mounting ring alone	○
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	03939535 – HP-L-20.8 T	opt
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
Verification	Verification bar	opt
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	opt
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		✗
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	Arm – ASME B89.4.22	☑
	Arm + Scanner	opt
Warranty	1 year	☑

ROMER ABSOLUTE ARM SE 77 SERIES

7-axis portable measuring arm, designed for high-end tactile measurements, or laser scanning, including:

- Zero G Counterbalance + SmartLock
- Base plate
- TKJ 3 mm / 6 mm / 15 mm ball probes
- RDS calibration and interface software
- Certified calibration sphere probing
- Travel case
- B89.4.22 certificate
- 1 year warranty

H00002367-25	**ROMER Absolute Arm 7725 SE** 2.5 m measurement volume
H00002367-30	**ROMER Absolute Arm 7730 SE** 3.0 m measurement volume
H00002367-35	**ROMER Absolute Arm 7735 SE** 3.5 m measurement volume
H00002367-40	**ROMER Absolute Arm 7740 SE** 4.0 m measurement volume
H00002367-45	**ROMER Absolute Arm 7745 SE** 4.5 m measurement volume

Counterbalance	Zero G / Smart Lock	☑
Mounting base	NCA7-5-21497 – Base plate	opt
	NCA7-5-19866 – Magnetic Base	☑
	NCA7-7-19225 – Circular magnetic base	opt
	NCA7-3-53008 – Vacuum mounting base	opt
	H00004220 – Mounting ring alone	opt
Probes	TKJ – ø 15mm	☑
	TKJ – ø 6mm	☑
	TKJ – ø 3mm	☑
Cables	USB – 3m	☑
	PowerSupply	☑
Software	USB installation disk:	
	RDS driver and interface	☑
	User manuals	☑

Scanner	03939535 – HP-L-20.8 T	opt
Calibration	NCA7-5-20653-01 Certified sphere ø 25.4mm	☑
Verification	Verification bar	☑
Feature Pack / Battery	NCA7-5-52303 – Scanning Pack, installed	opt
	H00000779-01 – Mobility Pack Plus, installed	☑
	H00001180 – RS Wireless Scanning Pack Plus, installed	opt
Camera / Worklight		✗
Holding grips		☑
Dust cover		☑
Packaging	Hard travel case	☑
Certification	Arm – ASME B89.4.22	☑
	Arm + Scanner	opt
Warranty	1 year	☑

PROBES AND SCANNERS

☑ : standard delivery

✓ : compatible with the item or accessory

– : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

THREADED CONTACT PROBES

Threaded probes are designed for the ROMER Absolute Arm 71 Series.
The Body Probe allows a large range of customized probes for the 71 Series.
For an extended use with any TKJ probe (Contact, Tube, Scanner...), an adapter
is available.
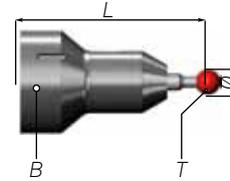
7x12	
71 Series	✓
73 / 75 / 77	
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	

NCA7-5-21787 **Probe-Thread-L50-15**
Threaded probe for 71 Series

ø	Tip	(T) Tip Mat.	L	(B) Body Mat.
15 mm	Fix ball	Stainless steel	50 mm	Aluminium

NCA7-5-21788 **Probe-Thread-L50-6**
Threaded probe for 71 Series

ø	Tip	(T) Tip Mat.	L	(B) Body Mat.
6 mm	M3	Synth. Ruby	50 mm	Aluminium

NCA7-5-21793 **Body Probe 50 mm**
Threaded body probe for 71 Series - M3 / M8 adapter

Body (Aluminium)	Length	40 mm
Connectors	Tip	M3 adapter (tip not included)
	Extension	M8 for standard extensions
	Wrist	Threaded
Tools		Body probe wrench + Tip wrench

NCA7-2-21447 **TKJ adapter for 71 Series**
Threaded adapter to mount any TKJ-M probe or HP-L-8.9T2
scanner

NCA7-5-21161 **PIN Wrench for 71 Series**
Tool to lock threaded probes or the TKJ adapter for 71 Series

TKJ ALUMINIUM-BODY CONTACT PROBES

Standard Aluminium probes for the ROMER Absolute Arm are available from 50 to 100 mm length -
Its M3 connector allows the use of any M3 sphere tip.

7x12	✓
71 Series	✓ (*)
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

		ø (mm)	Tip.	Tip Material (T)	L	Body (B)	Std
54388-11	**Probe-Alu-L50-12.7**	12.7 mm ½"	Fix ball	Ceramic	50 mm	Aluminium	opt
NCA7-5-52480	**Probe-Alu-L50-15**	15 mm	Fix ball	Stainless steel	50 mm	Aluminium	☑
H00000906-01	**Probe-Alu-L50-9.5**	9.5 mm	Fix ball	Stainless steel	50 mm	Aluminium	opt
54388-01	**Probe-Alu-L50-3**	3 mm	M3	Synth. Ruby	50 mm	Aluminium	☑
54388-02	**Probe-Alu-L50-6**	6 mm	M3	Synth. Ruby	50 mm	Aluminium	☑
54388-03	**Probe-Alu-L50-Point**	Point	M3	Carbid tungsten	50 mm	Aluminium	opt
54388-04	**Probe-Alu-L75-3**	3 mm	M3	Synth. Ruby	75 mm	Aluminium	opt
54388-05	**Probe-Alu-L75-6**	6 mm	M3	Synth. Ruby	75 mm	Aluminium	opt
54388-06	**Probe-Alu-L75-Point**	Point	M3	Carbid tungsten	75 mm	Aluminium	opt
54388-07	**Probe-Alu-L100-3**	3 mm	M3	Synth. Ruby	100 mm	Aluminium	opt
54388-08	**Probe-Alu-L100-6**	6 mm	M3	Synth. Ruby	100 mm	Aluminium	opt
54388-09	**Probe-Alu-L100-Point**	Point	M3	Carbid tungsten	100 mm	Aluminium	opt

*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.

TKJ CARBON-BODY CONTACT PROBES

Optional Carbon-body probes for the ROMER Absolute Arm offer the largest range of probes, from 50 mm to 350 mm length, combined with standard M3 ball tips or fixed balls from 2 mm to 25 mm diameter, for any kind of hard contact probing task.

7x12	✔
71 Series	✔ (*)
73 / 75 / 77	✔
73SI / 75SI / 77SI	✔
73SE / 75SE / 77SE	✔

		ø	Tip.	Tip Material (T)	L	Body (B)	Std
H00000383-01	**Probe-Carbon-L50-9.5**	9.5 mm	Fix ball	Stainless steel	50 mm	Carbon fiber	opt
H00000383-02	**Probe-Carbon-L50-10**	10 mm	Fix ball	Stainless steel	50 mm	Carbon fiber	opt
H00000383-03	**Probe-Carbon-L50-15**	15 mm	Fix ball	Stainless steel	50 mm	Carbon fiber	opt
H00000383-04	**Probe-Carbon-L75-10**	10 mm	Fix ball	Stainless steel	75 mm	Carbon fiber	opt
H00000576-09	**Probe-Carbon-L75-10**	10 mm	M5	Synth. Ruby	75 mm	Carbon fiber	opt
H00000383-05	**Probe-Carbon-L75-15**	15 mm	Fix ball	Stainless steel	75 mm	Carbon fiber	opt
H00000383-06	**Probe-Carbon-L82-9.5**	9.5 mm 0.375"	Fix ball	Stainless steel	82 mm	Carbon fiber	opt
H00000383-07	**Probe-Carbon-L85-12.7**	12.7 mm ½"	Fix ball	Stainless steel	85 mm	Carbon fiber	opt
H00000383-09	**Probe-Carbon-L85-25**	25 mm	Fix ball	Stainless steel	85 mm	Carbon fiber	opt
H00000576-01	**Probe-Carbon-L85-2**	2 mm	M3	Synth. Ruby	85 mm	Carbon fiber	opt
54397-01	**Probe-Carbon-L85-3**	3 mm	M3	Synth. Ruby	85 mm	Carbon fiber	opt
H00000576-02	**Probe-Carbon-L85-4**	4 mm	M3	Synth. Ruby	85 mm	Carbon fiber	opt
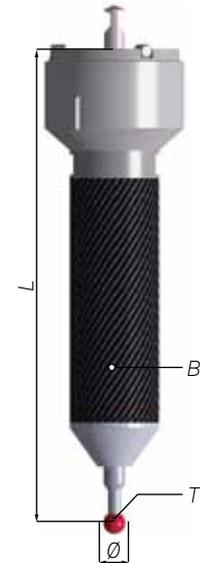
*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.

TKJ CARBON-BODY CONTACT PROBES

		ø	Tip.	Tip Material (T)	L	Body (B)	Std
54397-02	**Probe-Carbon-L85-6**	6 mm	M3	Synth. Ruby	85 mm	Carbon fiber	opt
54397-03	**Probe-Carbon-L85-Pt**	Point	M3	Tungsten Carbide	85 mm	Carbon fiber	opt
H00000576-04	**Probe-Carbon-L100-10**	10 mm	M3	Synth. Ruby	100 mm	Carbon fiber	opt
H00000576-03	**Probe-Carbon-L100-2**	2 mm	M3	Synth. Ruby	100 mm	Carbon fiber	opt
54397-04	**Probe-Carbon-L100-3**	3 mm	M3	Synth. Ruby	100 mm	Carbon fiber	opt
54397-05	**Probe-Carbon-L100-6**	6 mm	M3	Synth. Ruby	100 mm	Carbon fiber	opt
54397-06	**Probe-Carbon-L100-Point**	Point	M3	Tungsten Carbide	100 mm	Carbon fiber	opt
H00000383-10	**Probe-Carbon-L130-10**	10 mm	Fix ball	Stainless steel	130 mm	Carbon fiber	opt
H00000383-11	**Probe-Carbon-L130-15**	15 mm	Fix ball	Stainless steel	130 mm	Carbon fiber	opt
54397-07	**Probe-Carbon-L130-3**	3 mm	M3	Synth. Ruby	130 mm	Carbon fiber	opt
H00000576-05	**Probe-Carbon-L130-4**	4 mm	M3	Synth. Ruby	130 mm	Carbon fiber	opt
54397-08	**Probe-Carbon-L130-6**	6 mm	M3	Synth. Ruby	130 mm	Carbon fiber	opt
54397-09	**Probe-Carbon-L130-Point**	Point	M3	Tungsten Carbide	130 mm	Carbon fiber	opt
H00000383-12	**Probe-Carbon-L150-10**	10 mm	Fix ball	Stainless steel	150 mm	Carbon fiber	opt
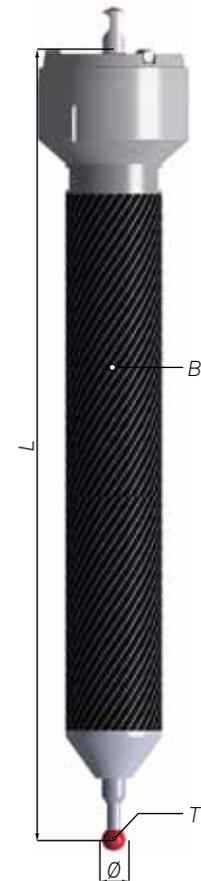
TKJ CARBON-BODY CONTACT PROBES

		ø	Tip.	Tip Material (T)	L	Body (B)	Std
H00000383-13	**Probe-Carbon-L150-15**	15 mm	Fix ball	Stainless steel	150 mm	Carbon fiber	opt
H00000576-06	**Probe-Carbon-L150-2**	2 mm	M3	Synth. Ruby	150 mm	Carbon fiber	opt
54397-10	**Probe-Carbon-L150-3**	3 mm	M3	Synth. Ruby	150 mm	Carbon fiber	opt
54397-11	**Probe-Carbon-L150-6**	6 mm	M3	Synth. Ruby	150 mm	Carbon fiber	opt
54397-12	**Probe-Carbon-L150-Point**	Point	M3	Tungsten Carbide	150 mm	Carbon fiber	opt
H00000383-14	**Probe-Carbon-L165-15**	15 mm	Fix ball	Stainless steel	165 mm	Carbon fiber	opt
H00000383-15	**Probe-Carbon-L180-10**	10 mm	Fix ball	Stainless steel	180 mm	Carbon fiber	opt
H00000383-16	**Probe-Carbon-L180-15**	15 mm	Fix ball	Stainless steel	180 mm	Carbon fiber	opt
H00000383-17	**Probe-Carbon-L180-20**	20 mm	Fix ball	Stainless steel	180 mm	Carbon fiber	opt
54397-13	**Probe-Carbon-L180-3**	3 mm	M3	Synth. Ruby	180 mm	Carbon fiber	opt
54397-14	**Probe-Carbon-L180-6**	6 mm	M3	Synth. Ruby	180 mm	Carbon fiber	opt
54397-15	**Probe-Carbon-L180-Point**	Point	M3	Tungsten Carbide	180 mm	Carbon fiber	opt
54397-16	**Probe-Carbon-L200-3**	3 mm	M3	Synth. Ruby	200 mm	Carbon fiber	opt
H00000576-07	**Probe-Carbon-L200-6**	6 mm	M3	Synth. Ruby	200 mm	Carbon fiber	opt
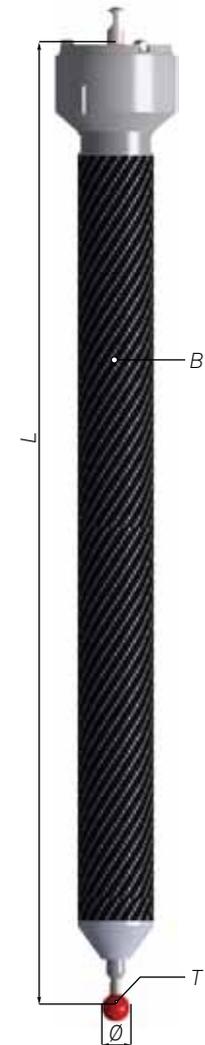
TKJ CARBON-BODY CONTACT PROBES

		ø	Tip.	Tip Material (T)	L	Body (B)	Std
54397-18	**Probe-Carbon-L200-Point**	Point	M3	Tungsten Carbide	200 mm	Carbon fiber	opt
H00000383-18	**Probe-Carbon-L293-15**	15 mm	Fix ball	Stainless steel	293 mm	Carbon fiber	opt
H00000576-10	**Probe-Carbon-L300-3**	3 mm	M3	Synth. Ruby	300 mm	Carbon fiber	opt
H00000576-08	**Probe-Carbon-L350-6**	6 mm	M3	Synth. Ruby	350 mm	Carbon fiber	opt
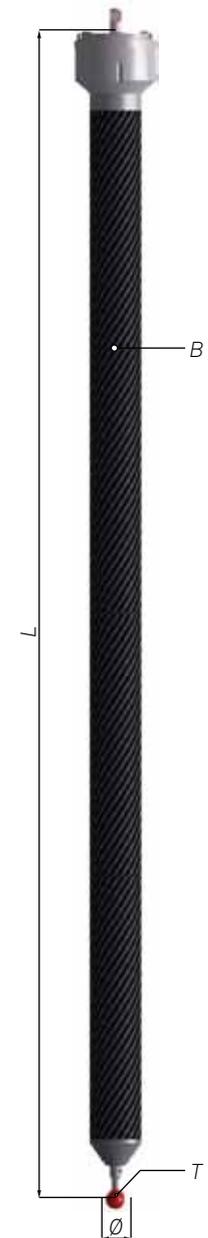
TKJ ANGLED CONTACT PROBES

For hard-to-reach areas of parts, the ROMER Absolute Arm can be equipped with special angled probes, to get around obstacles. 45°, 60° and 90° angles are available.

7x12	✔		
71 Series	✔ (*)		
73 / 75 / 77	✔		
73SI / 75SI / 77SI	✔		
73SE / 75SE / 77SE	✔		

		ø	Tip.	Tip Material (T)	L	Y	Body (B)	Std
54280-01	**Probe-45°-Point**	Point	M3	Tungsten Carbide	149 mm	38 mm	Aluminium	opt
54280-02	**Probe-45°-3**	3 mm	M3	Synth. Ruby	149 mm	38 mm	Aluminium	opt
54280-03	**Probe-45°-4**	4 mm	M3	Synth. Ruby	149 mm	38 mm	Aluminium	opt
54280-04	**Probe-45°-6**	6 mm	M3	Synth. Ruby	149 mm	38 mm	Aluminium	opt
54280-05	**Probe-60°-Point**	Point	M3	Tungsten Carbide	149 mm	57 mm	Aluminium	opt
54280-06	**Probe-60°-3**	3 mm	M3	Synth. Ruby	149 mm	57 mm	Aluminium	opt
54280-07	**Probe-60°-4**	4 mm	M3	Synth. Ruby	149 mm	57 mm	Aluminium	opt
54280-08	**Probe-60°-6**	6 mm	M3	Synth. Ruby	149 mm	57 mm	Aluminium	opt
54280-09	**Probe-90°-Point**	Point	M3	Tungsten Carbide	173 mm	43 mm	Aluminium	opt
54280-10	**Probe-90°-3**	3 mm	M3	Synth. Ruby	173 mm	43 mm	Aluminium	opt
54280-11	**Probe-90°-4**	4 mm	M3	Synth. Ruby	173 mm	43 mm	Aluminium	opt
54280-12	**Probe-90°-6**	6 mm	M3	Synth. Ruby	173 mm	43 mm	Aluminium	opt
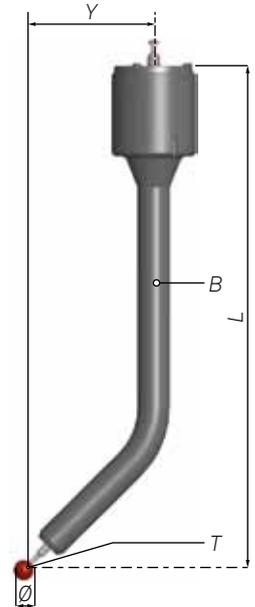
*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.

TKJ CONTACT PROBES – KITS

To enhance the possibilities of probing, customizable probe kits are available, offering different lengths, or diameters.

7x12	✓
71 Series	✓ (*)
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

54388-50B

Body Probe 50 mm
TKJ male body probe – Aluminium

54388-100B

Body Probe 100 mm
TKJ male body probe – Aluminium

54135

Probe kit – body short
TKJ male probe kit – Aluminium

Bodies (Aluminium)	Length	50 mm / 60 mm / 70 mm / 85 mm / 100 mm
Tips (Synth. Ruby)	ø	2 mm / 3 mm / 4 mm / 5 mm / 6 mm
	Length	10 mm
Connectors		2 x TKJ
Tools		Body probe wrench + Tip wrench
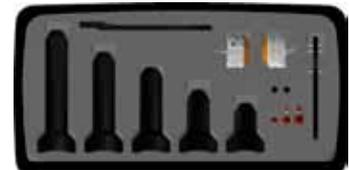
54136

Probe kit – body long
TKJ male probe kit – Carbon fiber

Bodies (Carbon fiber)	Length	130 mm / 150 mm / 180 mm / 200 mm
Tips (Synth. Ruby)	ø	2 mm / 3 mm / 4 mm / 5 mm / 6 mm
	Length	10 mm
Connectors		2 x TKJ
Tools		Body probe wrench + Tip wrench

54406

Probe kit extended for ROMER Absolute Arm SE (offset probe)
TKJ-F probe kit – Carbon fiber

	ø	Tip	Tip Mat.	Lg	Body Mat.
54397-10	3 mm	M3	Synth. Ruby	150 mm	Carbon fiber
54397-11	6 mm	M3	Synth. Ruby	150 mm	Carbon fiber

*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.

TKJ – SPECIAL CONTACT PROBES

Probes to receive Laser tracker balls, or special probe adapter for customized purpose.

7x12	✓
71 Series	✓ (*)
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

H00000742-01

TKJ Probe – for Tracker ball 12.7 mm
Ball included

ø	Tip	L	(B) Body Mat.
12.7 mm	Magnetic seat	75 mm	Aluminium

H00000742-02

TKJ Probe – for Tracker ball 22.225 mm (0.875")
Ball not included

ø	Tip	L	(B) Body Mat.
22.225 mm	Magnetic seat	75 mm	Aluminium

H00000742-03

TKJ Probe – for Tracker ball 38.1 mm (1.5")
Ball not included

ø	Tip	L	(B) Body Mat.
38.1 mm	Magnetic seat	75 mm	Aluminium

54431

Universal Probe adapter – TKJ male to M8
Body probe to adapt any M8 standard or customized probe adapter.

NCA7-7-50169

TKJ lock key

*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.

TKJ TOUCH TRIGGERING PROBES

Touch Triggering Probes are a good solution for sensitive parts. Adjustable or not, probing points are triggered when touching the surface. Usable for any soft surface or easily movable parts.

7x12	✓
71 Series	✓(*)
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

34386

HP-T-EF Touch Trigger Probe kit
TKJ Male probe – Trigger contact.

TKJ-M8-TTP		NCA7-5-19344 included
Tips (Synth. Ruby)	ø	3 mm / 6 mm
	Length	20 mm / 10 mm
Trigger force		Extended force (0.10 N at 50mm)
Length		73 mm

NCA7-3-52596

HP-T-RP M8 adjustable Touch Trigger Probe head
M8 head for TKJ adapter trigger probe

TKJ-M8-TTP		NCA7-5-19344 INCLUDED
Tips (Synth. Ruby)	ø	3 mm / 6 mm
	Length	10 mm
Trigger force		Adjustable 0.11 N - 0.30 N
Length		85 mm

34385

TP20 Renishaw Touch Trigger Probe kit
TKJ Male probe – Trigger contact.

TKJ-M8-TTP		NCA7-5-19344 included
Tips (Synth. Ruby)	ø	3 mm / 6 mm
	Length	20 mm (ø 3 mm) / 10 mm (ø 6 mm)
Trigger Force		Extended force (0.1N at 50 mm) – 2 heads
Length		83 mm

NCA7-5-19344

TTP Adapter – M8
TKJ-M base for all M8 Touch trigger Probe heads.

*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.

M3 STYLI

A range of tips is available to adapt the probe to the entities to measure. All the tips are fixed with a M3 thread, and can be used on any hard contact body probe, or touch trigger probe.

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

		ø	A	Tip Material	L
74128	**Tip-M3-Lg10-2mm**	2 mm	M3	Synth. Ruby	10 mm
03969324	**Tip-M3-Lg10-3mm**	3 mm	M3	Synth. Ruby	10 mm
74130	**Tip-M3-Lg10-4mm**	4 mm	M3	Synth. Ruby	10 mm
74131	**Tip-M3-Lg10-5mm**	5 mm	M3	Synth. Ruby	10 mm
03969326	**Tip-M3-Lg10-6mm**	6 mm	M3	Synth. Ruby	10 mm
74133	**Tip-M3-Lg10-Point**	Point	M3	Tungsten Carbide	10 mm
NCA7-7-18998	**Tip-M3-Lg20-2mm**	2 mm	M3	Synth. Ruby	20 mm
NCA7-7-19997	**Tip-M3-Lg20-3mm**	3 mm	M3	Synth. Ruby	20 mm
NCA7-7-19998	**Tip-M3-Lg20-6mm**	6 mm	M3	Synth. Ruby	20 mm

NON-CONTACT TUBE PROBES

Infrared non-contact probes for tube measurement are available in 6 different sizes, for all kinds of tubes. A laser line guides the user for precise locations. Compatible with TubeShaper, GTube and Docs software. See below the tube diameters compatibilities.

7x12	✓
71 Series	✓(*)
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

NCA7-2-21952-01   **NCP1 – Non-contact Tube Probe 12.5 mm**

ø	4 mm > 13 mm (0.15" > ½")
Calib T**	¼" – ref NCA7-2-21953-01
Z gage**	ø 8 mm – ref NCA7-2-21954-01

NCA7-2-21952-02   **NCP2 – Non-contact Tube Probe 25 mm**

ø	6 mm > 20 mm (¼" > ¾")
Calib T**	¼" – ref NCA7-2-21953-01
Z gage**	ø 8 mm – ref NCA7-2-21954-01

NCA7-2-21952-03   **NCP3 – Non-contact Tube Probe 50 mm**

ø	10 mm > 40 mm (0.4" > 1.6")
Calib T**	½" – ref NCA7-2-21953-02
Z gage**	ø 20 mm – ref NCA7-2-21954-02

NCA7-2-21952-04   **NCP4 – Non-contact Tube Probe 75 mm**

ø	12 mm > 65 mm (½" > 2"½)
Calib T**	½" – ref NCA7-2-21953-02
Z gage**	ø 20 mm – ref NCA7-2-21954-02

NCA7-2-21952-05   **NCP5 – Non-contact Tube Probe 100 mm**

ø	20 mm > 85 mm (¾" > 3.3")
Calib T**	1" – ref NCA7-2-21953-03
Z gage**	ø 40 mm – ref NCA7-2-21954-03

NCA7-2-21952-06   **NCP6 – Non-contact Tube Probe 150 mm**

ø	30 mm > 130 mm (1.2" > 5.1")
Calib T**	1" – ref NCA7-2-21953-03
Z gage**	ø 40 mm – ref NCA7-2-21954-03

* : for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.
**: Calibration T-bar and Verification Z-Gage not included. Options

HP-L-8.9 T2 LASER SCANNER

The HP-L-8.9 is an affordable 3D laser scanning solution which extends the measurement capability of the 6-axis ROMER Absolute Arm range into a wider variety of industry applications with line length of 80 mm and a speed up to 45,000 points per second. Compatible with any 6-axis ROMER Absolute Arm

H00000352

HP-L-8.9 T2 Laser Scanner package
Includes:
- *Hard transport case*
- *HP-L-8.9 T2 sensor*
- *Scanner cable*
- *Calibration sphere*

7x12	✓(**)
71 Series	✓(*)(**)
73 / 75 / 77	✓(**)
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	

*: for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required
.**: for all arms, at least a Scanning Pack (FP1) is required

HP-L-20.8 T LASER SCANNER

Designed for ROMER Absolute Arms SE, the HP-L-20.8 produces first class performance on complex workpieces made from the most challenging materials. With adjustable line lengths up to 220 mm and a speed up to 150,000 points per second, this flexible laser scanner delivers accurate 3D point clouds at high speed.

7x12	
71 Series	
73 / 75 / 77	
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	✓

03939535

HP-L-20.8 T Laser Scanner package
Includes:
- *Hard transport case*
- *HP-L-20.8T sensor*
- *HP-LC-200 (Feature Pack 4)*
- *Scanner cable*
- *Sensor soft case*
- *Calibration sphere*
- *Certification ISO 10360-8*

03939541

HP-L-20.8 Sensor Soft case

MOUNTING SOLUTIONS

☑ : standard delivery

✓ : compatible with the item or accessory

− : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

STANDARD BASES

All the standard bases for the ROMER Absolute Arm are designed for use with the ROMER Absolute Arm Mounting Ring.

NCA7-5-21497 **Standard Base Plate**
- *Compatible with the accuracy specifications*
- *Compatible with all sizes of arms*
- *Mounting ring included*

7x12	✓(*)
71 Series	✓(*)
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

NCA7-5-19866 **Standard Magnetic base**
- *Compatible with the accuracy specifications*
- *Compatible with all sizes of arms*
- *Mounting ring included*
- *Magnetic force 3 x 1000 N*

7x12	✓(*)
71 Series	✓(*)
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	☑

NCA7-3-53008 **Vacuum mounting base**
- *For arms up to 2500 mm size*
- *Mounting ring included*
- *Weight: 6.3 kg*
- *Stand alone use on battery available*

7x12	✓(*)
71 Series	✓(*)
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

NCA7-7-19225 **Circular Magnetic Base**
- *For arms up to 2500 mm size*
- *Magnetic force 4700 N (on SAE steel)*
- *Mounting Ring not included.*

7x12	✓(*)
71 Series	✓(*)
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

*: for the ROMER Absolute Arm Compact 7x12 and the ROMER Absolute Arm 71 Series, a Mounting Ring adapter (NCA7-2-21448) is required.

BASES

H00004220   **Mounting Ring alone**
- Including 6 screws (NCA7-2-21448) by default

7x12	✓(*)
71 Series	✓(*)
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

NCA7-2-21448   **Mounting Ring Adapter**
- Allows to use any standard mounting base or
* tripod with the 7x12 and 71 Series.*

7x12	✓(*)
71 Series	✓(*)
73 / 73SI / 73SE	
75 / 75SI / 75SE	
77 / 77SI / 77SE	

*: for the ROMER Absolute Arm Compact 7x12 and the ROMER Absolute Arm 71 Series, a Mounting Ring adapter (NCA7-2-21448) is required.

TRIPODS

Instrument stands for functionality and portability. This collapsible, tripod-type stand is available in a number of standard configurations. Stands with graphite upper legs have a low weight and give an advantage with respect to thermal stability. The height of the stand is adjusted by releasing quick-action levers and setting each telescoping leg to the desired length.

30826   **Brunson portable stand – M-Graphit Adjustable**
(MxS2000SA)
- Height adjustable 743 - 1403 mm
- Net weight: 14.5 kg
- Feet: 3 Pad feet (32990) included + 3 Point feet

7x12	✓ (*)
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

32986   **Brunson portable stand – M-Graphit Fix**
(MxS2000SF)
- Height adjustable 619 - 972 mm
- Net weight: 11.8 kg
- Feet: 3 Pad feet (32990) included + 3 Point feet

7x12	✓ (*)
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

NCA7-3-52550   **Brunson Tetralock portable stand 400S-D**
- Aluminium / Stainless steel
- Height: adjustable 750 - 1190 mm
- Net weight: 9.6 kg
- Transport case: duffel style canvas bag

7x12	✓ (*)
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

32990   **Brunson Pad feet for graphit portable stands**
*- For 32986 (MxS2000SF), 30826
  (MxS2000SA) and NCA7-3-52550 (400S-D)*
- 3 pieces

32989   **Travel case for graphit portable stands**
- For 32986 (MxS2000SF) and 30826 (MxS2000SA)

*: for the ROMER Absolute Arm Compact 7x12 and the ROMER Absolute Arm 71 Series, a Mounting Ring adapter (NCA7-2-21448) is required.

STANDS

Heavy duty metrology stands are perfect for 3D measurement applications which require a great deal of stability along with mobility around the workplace.
Their mass and rigidity will be of great benefit when the utmost in stability is required.

32190	**Brunson stand Fix 230-F-24 – small** - *Height: fix 610 mm (24")* - *Net weight: 97 kg*

7x12	✓
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

32191	**Brunson stand Fix 230-F-36 – medium** - *Height: fix 910 mm (36")* - *Net weight: 114 kg*

32192	**Brunson stand Fix 230-F-48 – large** - *Height: fix 1220 mm (48")* - *Net weight: 127 kg*

30050	**Brunson stand Variable 231 – small** - *Height: adjustable 710 - 1070 mm* - *Net weight: 83 kg*

7x12	✓
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

30051	**Brunson stand Variable 230 – medium** - *Height: adjustable 1090 - 1700 mm* - *Net weight: 118 kg*

32004-1	**Brunson stand extension 234-20** - *Height: 508 mm (20")* - *Includes spacer ring* - *Available in North America, Asia and Pacific*

7x12	✓
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

53270	**Brunson laptop support for Brunson stands 230-231** *Black laptop support stand with adjustable laptop support tray, power cable management clips and 2 power supply mounting brackets.* - *Material: Aluminium (frame), Plastic (tray)* - *Max. keyboard thickness/width: 44 mm / 394 mm* - *Net weight: 5 kg / Portable: Yes / Transport Case: No*

7x12	✓
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

TABLES

Swift-fix Portable Workstations provide the ideal workplace for your portable measuring arm. Available in a number of sizes and configurations, these workstations put everything you need in one place ideal for more effective measurements. The Laptop arm mounts directly to the top surface and allows your notebook computer to be raised above the workspace. The platform can be adjusted in height to set a comfortable viewing level and can extend outwards by up to 57 cm.

7x12	✓
71 Series	✓
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

NCA7-2-21955 **Portable Workstation with cabinet – 900**
- *For arms up to 3000 mm size*
- *900 mm(W) x 600 mm (D) x 930 mm (H)*
- *M8 holes grid – 50mm x 50 mm*
- *Fitted with Swivel lockable wheels*
- *Laptop shelf included*
- *Swift fix starter kit included*
- *Available in Europe*

NCA7-2-21956 **Portable Workstation with cabinet – 1200**
- *For all sizes of arms*
- *1200 mm(W) x 900 mm (D) x 930 mm (H)*
- *M8 holes grid – 50mm x 50 mm*
- *Fitted with Swivel lockable wheels*
- *Laptop shelf included*
- *Swift fix starter kit included*
- *Available in Europe*

33344 **Portable Workstation with cabinet**
- *609 x 914 mm (24 x 36 inch)*
- *Granite work surface.*
- *Shipping weight 273 kg (602 lbs)*
- *Available in North America, Asia and Pacific.*

H00002365 **Tube Inspection table**
Dedicated for tube inspection only.
Compatible with
- *Mounting ring*
- *Stands (NCA7-5-52794 and NCA 7-5-52795)*

RAISERS

Stable height extension for any arm. Very suitable for ROMER Absolute Arm Tube Inspection.

7x12	✓
71 Series	✓(*)
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

NCA7-5-52794   **Arm Raiser – 250 mm**
- *Multi purpose stand, suitable for ROMER tube stations but also for high accuracy arm application.*
- *Compatible with the accuracy specifications*
- *Compatible with all sizes of arms*
- *Mounting ring included*
- *Height: 250 mm*

NCA7-5-52795   **Arm Raiser – 500 mm**
- *Multi purpose stand, suitable for ROMER Absolute Arm tube stations but also for high accuracy arm application.*
- *Compatible with the accuracy specifications*
- *Compatible with all sizes of arms*
- *Mounting ring included*
- *Height: 500 mm*

*: for the ROMER Absolute Arm 71 Series, a Mounting Ring adapter is required.

CERTIFICATIONS AND ARTEFACTS

☑ : standard delivery

✓ : compatible with the item or accessory

– : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

VERIFICATION BARS

Perform length checkouts and verify arm accuracy against a certified length bar. Also use this bar to evaluate arm performance against the ASME B89 Standard.

32377   Certified length Standard – 305 mm

- Recommended for arm size of 1200
- Provided with its certificate ISO-17025
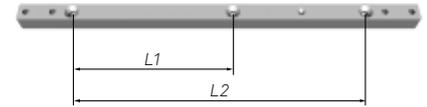*- Indicative lengths: 170 / 310 mm (6.7" / 12.2")*

7x12	✔
71 Series	✔
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SI / 77SE	

32378   Certified length Standard – 711 mm

- Recommended for arm size: 2000 - 2500
- Provided with its certificate ISO-17025
- Indicative lengths: 361.95 / 711.20 mm
  (14"¼ / 28")

7x12	✔
71 Series	✔
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SI / 77SE	☑

32379   Certified length Standard – 1016 mm

- Recommended for arm size: 3000 - 4500
- Provided with its certificate ISO-17025
- Indicative lengths: 514.35 / 1016 mm (20"¼ / 40")

7x12	✔
71 Series	✔
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SI / 77SE	☑

`

CERTIFIED SPHERES

Certified spheres used to calibrate all contact probes and laser scanners or to verify their accuracy.

NCA7-5-20653-01 **Calibration sphere for contact probes**
- *Already provided with 6 axis and SE arms.*
- *Sphere: ø 25.4 mm (1") / hardeness 58 Rc*
- *High chrome, high carbon stainless steel*
- *Provided with its certificate*

7x12	☑
71 Series	✓
73 / 75 / 77	☑
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	☑

03939548 **Calibration sphere for HP-L-20.8 / CMS108 scanner**
- *White calibration sphere delivered with HP-L-20.8 product*
- *Sphere: ø 25.4 mm (1")*
- *Provided with its certificate*

7x12	
71 Series	
73 / 75 / 77	
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	✓

NCA7-5-20541 **Calibration sphere for scanning and probing**
- *Already provided with 73SI and 75SI arms.*
- *Sphere: ø 25.4 mm (1")*
- *Provided with its certificate*
- *without plate*

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	☑
73SE / 75SE / 77SE	✓

NCA7-5-21466 **Checking plate**
- *For plane and single point calibration and verification.*

7x12	✓
71 Series	☑
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

NCA7-5-20653-02 **Plate for Calibration Sphere**
- *Threaded plate with screws for calibration spheres NCA7-5-20653-01 and NCA7-5-20541.*

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

ARTEFACTS FOR TUBE PROBES

Calibrate tube probes and evaluate probe accuracy against a certified T-bar.

7x12	✔
71 Series	✔(*)
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SI / 77SE	✔

NCA7-2-21953-01 **Calibration artefact for Tube probe – ¼ inch**
Quarter inch diameter T bar for NC tube probe calibration.
- Recommended for NCP1 and NCP2
- Provided with its certificate

NCA7-2-21953-02 **Calibration artefact for Tube probe – ½ inch**
Half inch diameter T bar for NC tube probe calibration.
- Recommended for NCP3 and NCP4
- Provided with its certificate

NCA7-2-21953-03 **Calibration artefact for Tube probe – 1 inch**
One inch diameter T bar for NC tube probe calibration.
- Recommended for NCP5 and NCP6
- Provided with its certificate

NCA7-2-21953-01

NCA7-2-21953-02

NCA7-2-21953-03

NCA7-2-21954-01 **Z Gage for tube certification – ø 8 mm**
Gage for NC tube probe verification.
- Recommended for NCP1 and NCP2

NCA7-2-21954-02 **Z Gage for tube certification – ø 20 mm**
Gage for NC tube probe verification.
- Recommended for NCP3 and NCP4

NCA7-2-21954-03 **Z Gage for tube certification – ø 40 mm**
Gage for NC tube probe verification.
- Recommended for NCP5 and NCP6

: for the ROMER Absolute Arm 71 Series, the use of a NC Tube probe requires a TKJ adapter (NCA7-2-21447) .

OPTIONAL CERTIFICATIONS

H00000621	**Certification – B89.4.22**	
	Certification only (without recalibration)	

7312	☑
7512	☑ (*)
71 Series	☑
73 / 73SI / 73SE	☑
75 / 75SI / 75SE	☑
77 / 77SI / 77SE	☑

H00000658	**Certification – ISO 10360-2**

7312	✓
7512	☑ (*)
71 Series	–
73 / 73SI / 73SE	–
75 / 75SI / 75SE	–
77 / 77SI / 77SE	–

NCA7-4-52504	**Certification – VDI/VDE 2617-9**	
	Probing Certification	

7x12	✓
71 Series	–
73 / 73SI / 73SE	✓
75 / 75SI / 75SE	✓
77 / 77SI / 77SE	✓

*: for the ROMER Absolute Arm Compact 7512, either the B89.4.22 nor the ISO 10360-2 can be choosen.

ACCESSORIES FOR TUBE INSPECTION

Non-contact Tube Probes   **60**

Tools   **61**

Software & Bender links   **62**

☑ : standard delivery

✓ : compatible with the item or accessory

– : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

NON-CONTACT TUBE PROBES

Non contact probes to measure tubes without contact.
Measurement with 2 infrared beams. A Laser line (class 2M) guides the user on the location of the point.

7x12	✔
71 Series	✔(*)
73 / 75 / 77	✔
73SI / 75SI / 77SI	✔
73SE / 75SE / 77SE	✔

NCA7-2-21952-01 **NCP1 – Non-contact Tube Probe 12.5 mm**

ø	4 mm > 13 mm (0.15" > ½")
Calib T**	¼" – NCA7-2-21953-01
Z gage**	ø 8 mm – ref NCA7-2-21954-01

NCA7-2-21952-02 **NCP2 – Non-contact Tube Probe 25 mm**

ø	6 mm > 20 mm (¼" > ¾")
Calib T**	¼" – ref NCA7-2-21953-01
Z gage**	ø 8 mm – ref NCA7-2-21954-01

NCA7-2-21952-03 **NCP3 – Non-contact Tube Probe 50 mm**

ø	10 mm > 40 mm (0.4" > 1.6")
Calib T**	½" – ref NCA7-2-21953-02
Z gage**	ø 20 mm – ref NCA7-2-21954-02

NCA7-2-21952-04 **NCP4 – Non-contact Tube Probe 75 mm**

ø	12 mm > 65 mm (½" > 2"½)
Calib T**	½" – ref NCA7-2-21953-02
Z gage**	ø 20 mm – ref NCA7-2-21954-02

NCA7-2-21952-05 **NCP5 – Non-contact Tube Probe 100 mm**

ø	20 mm > 85 mm (¾" > 3.3")
Calib T**	1" – ref NCA7-2-21953-03
Z gage**	ø 40 mm – ref NCA7-2-21954-03

NCA7-2-21952-06 **NCP6 – Non-contact Tube Probe 150mm**

ø	30 mm > 130 mm (1.2" > 5.1")
Calib T**	1" – ref NCA7-2-21953-03
Z gage**	ø 40 mm – ref NCA7-2-21954-03

* : for the ROMER Absolute Arm 71 Series, a TKJ adapter (NCA7-2-21447) is required.
**: Calibration T-bar and Verification Z-Gage not included.

TOOLS

EBD-12865   **Tube Holder ø 0-20 mm**
*- Available for Europe, Middle East, Africa and
South America*

EBD-12866   **Tube Holder ø 20-70 mm**
*- Available for Europe, Middle East, Africa and
South America*

20539-4   **Tube Holder ø 0-50 mm (2")**
- Available for North America, Asia and Pacific

SOFTWARE & BENDER LINKS

TubeShaper Software
Tube inspection and bending program correction. Geometric features and alignments, compatible with NC Tube probes and contact probes. Customizable reports
1 Bender link included : .

H00001974-01	- SV/Networkff bender link
H00001974-02	- BLM bender link
H00001974-03	- EL Velog bender link
H00001974-04	- Addison MarkIII
H00001974-05	- Chyioda bender link
H00001974-06	- Comco bender link
H00001974-07	- Silfax S-Tube bender link
H00001974-08	- Numalliance bender link

Monitor not included.

Additionnal bender interface
Additionnal bender link on existing TubeShaper license

H00001975-01	- SV/Networkff bender link
H00001975-02	- BLM bender link
H00001975-03	- EL Velog bender link
H00001975-04	- Addison MarkIII
H00001975-05	- Chyioda bender link
H00001975-06	- Comco bender link
H00001975-07	- Silfax S-Tube bender link
H00001975-08	- Numalliance bender link

VOLUME EXTENSIONS

☑ : standard delivery
✓ : compatible with the item or accessory
— : incompatible with the item or accessory
O : mandatory accessory
opt : optional accessory

GRIDLOK

GridLOK uses one or more ROMER Absolute Arms in a typical system to become a "Metrology Arena" where all of the CMMs can measure to the same part origin. The system can measure large work pieces while maintaining the accuracy anywhere within its standard 4 x 6 meter measuring area.*

7x12	
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

51460-XX	**GridLOK 4 x 6 m installation**

11615	**GridLOK stand-alone license**
	Dongle-protection to activate the use of GridLOK function.

*: Specific measuring area can be evaluated on request.

LEAP FROG TOOLS

Use these magnets especially when measuring large parts. Set up magnets on a flat surface, lock in arm position using the magnets, and measure part. When the arm cannot reach an area of the part, move the arm, lock in arm position using magnets again, and resume measuring.

7x12	✔
71 Series	✔
73 / 75 / 77	✔
73SI / 75SI / 77SI	✔
73SE / 75SE / 77SE	✔

54479-01 **Leap Frog kit**
Set of 4 magnetic seats used for leap frogging.
- Box included.

OTHER ACCESSORIES

☑ : standard delivery

✓ : compatible with the item or accessory

− : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

CABLES

NCA7-6-50035 **USB Cable – 3 m**
USB Arm-to-computer.
Specific for ROMER Absolute Arm

7x12	☑
71 Series	☑
73 / 75 / 77	☑
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	☑

H00000707 **USB Cable – 5 m with Hub**
USB Arm-to-computer powered cable.
Specific for ROMER Absolute Arm

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

NCA7-6-52107 **USB + Scanner cable – 3 m for RSx and HP-L**
Twin cable including USB arm cable and Scanner cable.
Only suitable for arms with the following scanners:
- RSx
- HP-L-8.9
- HP-L-20.8 (with FP4)

7x12	✓
71 Series	✓(*)
73 / 75 / 77	✓
73SI / 75SI / 77SI	☑
73SE / 75SE / 77SE	✓

H00000708 **USB + Scanner cable – 5 m for RSx and HP-L**
Twin cable including USB-powered arm cable and Scanner cable.
Only suitable for arms with a the following scanners:
- RSx
- HP-L-8.9
- HP-L-20.8 (with FP4)

7x12	✓
71 Series	✓(*)
73 / 75	✓
73 / 75SE	✓
73 / 75SI	✓

*: for the ROMER Absolute Arm 71 Series, the use of the HP-L-8.9 requires a TKJ adapter (NCA7-2-21447).

FEATURE PACKS AND BATTERIES

ROMER Absolute Arm Feature Packs unfold the full potential of a portable measuring arm. These interchangeable extensions can be mounted onto the rear of the arm, providing you with new functionality: Scanning, stand-alone use with battery, Wi-Fi and Ethernet connection. Each function can be added through a Feature Pack.

H00001059 **FP1 – Scanning Pack**
The Feature Pack 1 adds scanning capability for all arms via a wired connection.

Stand alone	No
Probing	USB only
Scanning	Wired only
Packaging box	yes

7x12	✔
71 Series	✔
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SI / 77SE	✔

H00001679-01 **FP2+ – Mobility Pack Plus – accessory**
Adds wired scanning, WiFi probing, and battery power capability for arms for a stand alone use.

Stand alone	Probing only / 1 battery
Probing	USB + Wi-Fi
Scanning	Wired only
Packaging box	yes

7x12	✔
71 Series	✔
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SE	☑
77SI	✔

H00001680-01 **FP3+ – Wireless Scanning Pack Plus for RSx Scanner**
Adds wireless scanning and probing, and battery power capability for a full stand alone use with the RSx scanner.

Stand alone	Probing + Scanning / 2 batteries
Probing	USB + Wi-Fi + Wired Ethernet
Scanning	Wired + Wi-Fi
Packaging box	yes

7x12	✔
71 Series	✔
73 / 73SI / 73SE	✔
75 / 75SI / 75SE	✔
77 / 77SE	✔
77SI	☑

NCA7-6-50108 **Battery Internal Li-ion (1 unit)**
For FP2+ and FP3+

FP1	✔
FP2	☑
FP3	☑ (x2)
FP4	

Charger for Li-ion battery
External quick charger for the battery

CH5000E **Charger for Li-ion battery (EU)**

CH5000U **Charger for Li-ion battery (UK)**

CH5000A **Charger for Li-ion battery (US)**

DUST COVERS

Protections are available against dust for the ROMER Absolute Arm.
Available for each sizes of arms, simply put it on the arm in rest position.

Other covers are available to protect the scanner against bumps.

H00000636 **Dust cover – 750 mm**
For Arm size 1200 (7x12 compact)

7x12	☑
71 Series	
73 / 75	
73 / 75SE	
73 / 75SI	

NCA7-3-21681-01 **Dust cover – 1080 mm**
For Arm size 1500 - 2000

7x12	
71 Series	
73 / 73SI / 73SE	☑ (*)
75 / 75SI / 75SE	☑ (*)
77 / 77SI / 77SE	☑ (*)

NCA7-3-21681-02 **Dust cover – 1280 mm**
For Arm size 2500 - 3000

7x12	
71 Series	☑ (*)
73 / 73SI / 73SE	☑ (*)
75 / 75SI / 75SE	☑ (*)
77 / 77SI / 77SE	☑ (*)

NCA7-3-21681-03 **Dust cover – 1640 mm**
For Arm size 3500 - 4500

7x12	
71 Series	☑ (*)
73 / 73SI / 73SE	☑ (*)
75 / 75SI / 75SE	☑ (*)
77 / 77SI / 77SE	☑ (*)

H00004403 **Rubber cover for RSx scanners**
*For ROMER Absolute Arm SI. Compatible with RS1,
RS2, RS3 and RS4.*

7x12	
71 Series	
73 / 75	
73 / 75 / 77SE	
73 / 75 / 77SI	✓

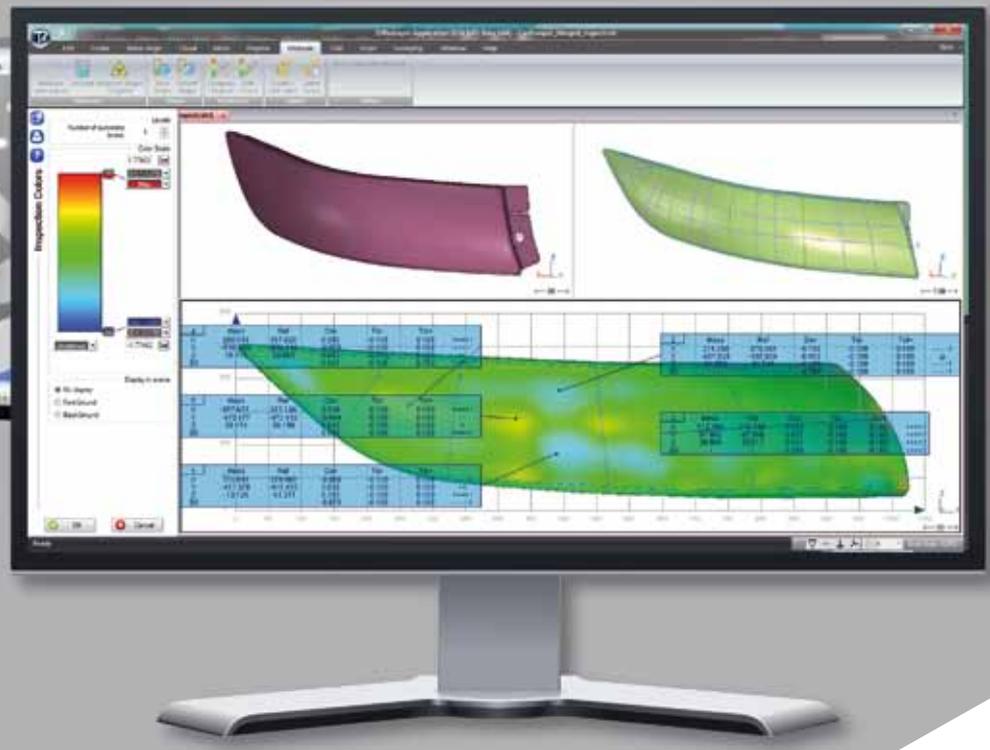**: Standard dust cover according to the size of the arm.*

INSTALLATION USB PACKAGE
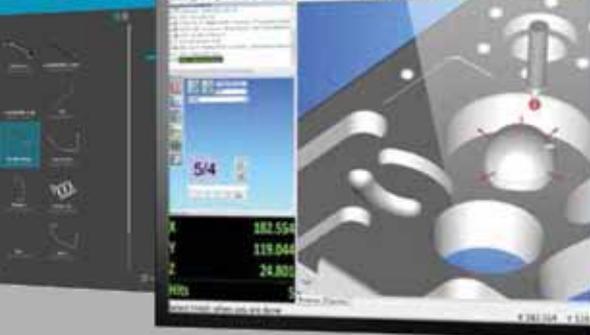
H00000924 **USB Package ROMER Absolute Arm**
*Installation USB memory stick, including RDS
installation, and all the user manuals.*

7x12	☑
71 Series	☑
73 / 73SI / 73SE	☑
75 / 75SI / 75SE	☑
77 / 77SI / 77SE	☑
HP-L8.9 HP-L-20.8	☑
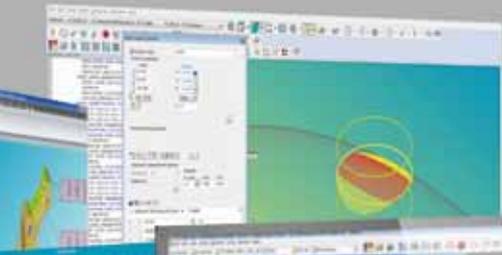
APPLICATION SOFTWARE

☑   :   standard delivery

✓   :   compatible with the item or accessory

–   :   incompatible with the item or accessory

O   :   mandatory accessory

opt :   optional accessory

PC-DMIS PORTABLE

Bringing Metrology to the Shop Floor

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

Laptop not included.

ROY-PROBE-I-A	**PC-DMIS CAD++ Probing** *Includes LMS license + RDS Probing interface + XACT GD&T, IGES / DXF / DWG / STEP203 / STEP 214 / VDAFS / XYZIJK / DES and DMISI/O translators*
	PC-DMIS CAD++ Scanning *CAD++ Probing + Scanning interface, Scanning Auto Features, Full COP support*
ROY-SCAN-SI-I-A	*For RSx / HP-L-8.9*
ROY-SCAN-HPL-I-A	*For HP-L-20.8*
	PC-DMIS CAD++ Scanning / Mesh *CAD++ Scanning + STL Mesh Creation and Inspection*
ROY-SCANMESH-SI-I-A	*For RSx / HP-L-8.9*
ROY-SCANMESH-HPL-I-A	*For HP-L-20.8*
	Upgrade PC-DMIS *Extends the PC-DMIS possibilities. requires a valid SMA*
ROY-UP-300	*UPGRADE PC-DMIS CAD ++ Probing to CAD++ Scanning for use with RSx*
ROY-UP-301	*UPGRADE PC-DMIS CAD ++ Probing to CAD++ Scanning for use with HP-L-20.8*
ROY-ADD-MESH	*Upgrade PC-DMIS CAD++ Scanning to Scanning / Mesh*
	Software Maintenance Agreement Software Maintenance Agreement (SMA) provides access to the updates and unlimited technical support.
ROY-SMA-PROBE-I-A	*Annual SMA for CAD++ Probing*
ROY-SMA-SCAN-I-A	*Annual SMA for CAD++ Scanning*
ROY-MESH-I-A	*Annual SMA for CAD++ Scanning / Mesh*

PC-DMIS TOUCH

Tablet-based measurement for ROMER Absolute Arms

PC-DMIS Touch is a revolutionary new way to interact with inspection data and coordinate measurement devices. With a full-screen interface, advanced Multi-Touch technology, intuitive inspection routines, and the power of PC-DMIS built in - PC-DMIS Touch is an ideal complement to many measurement applications.

H00002130	**PC-DMIS Touch probing software**
ROY-SMA-TOUCHBUN-ARM	**SMA for PC-DMIS Portable touch** Software Maintenance Agreement (SMA) provides access to the updates and unlimited technical support.
H00002128	**Upgrade from Gpad software** Upgrade from GPad to PC-DMIS Portable Touch

Tablet PC not included.

3DRESHAPER METEOR

New entry-level solution for reverse engineering and point cloud inspection

3DReshaper Meteor application for ROMER Absolute Arms and scanners: a complete 3D point-cloud processing software for users who need to handle rapidly generated point clouds files and obtain high-quality 3D meshes. All licenses include 1 year warranty.

Laptop not included.

	Standalone licenses
RSHM-BASE-STD	*3DReshaper Meteor Standard:* *Point cloud + mesh + 3D inspection + animation + feature line (RSHM-I-RDS-STD must be added to use this software with ROMER Absolute Arm.)*
RSHM-I-RDS-STD	*Interface for on-line connection to ROMER Absolute Arm*
	Options
RSHM-TXTR-STD	*Option: Texture, orthoimage: standalone*
RSHM-CAD-STD	*Option: CAD reconstruction for complex surface: standalone*
	NETWORK licenses: First License
RSHM-BASE-NET1	*3DReshaper Meteor first work license: Point cloud + mesh + 3D inspection + animation + feature line* *(RSHM-I-RDS-NET1 must be added to use this software with ROMER Absolute Arm.)*
RSHM-I-RDS-NET1	*Interface for on-line connection to ROMER Absolute Arm for first network license.*
	Options
RSHM-TXTR-NET1	*Option: Texture, orthoimage for first network license*
RSHM-CAD-NET1	*Option: CAD reconstruction for complex surface for first network license*
	NETWORK licenses: Subsequent Licenses
RSHM-BASE-NET2	*3DReshaper Meteor next work license: Point cloud + mesh + 3D inspection + animation + feature line* *(RSHM-I-RDS-NET2 must be added to use this software with ROMER Absolute Arm.)*
RSHM-I-RDS-NET2	*Interface for on-line connection to ROMER Absolute Arm for next network license.*
	Options
RSHM-TXTR-NET2	*Option: Texture, orthoimage for next network license*
RSHM-CAD-NET2	*Option: CAD reconstruction for complex surface for next network license*

3DRESHAPER METEOR

Upgrades

RSHM-BASE-UPG-NET	*Standalone license upgrade to Network*

SMA for 3DReshaper Meteor

RSHM-SMA-BASE-STD	*1 year SMA for a standard license of 3DReshaper Meteor. Provides latest updates and enhancements.*
RSHM-SMA-I-RDS-STD	*1 year SMA for interface to ROMER Absolute Arm.*
RSHM-SMA-BASE-NET1	*1 year SMA for a first network license of 3DReshaper Meteor. Provides latest updates and enhancements.*
RSHM-SMA-BASE-NET2	*1 year SMA for a next network license of 3DReshaper Meteor. Provides latest updates and enhancements.*

TUBESHAPER

Specialist software for tube measurement, gauging and manufacture

Created specifically for the ROMER Absolute Arm, TubeShaper is the most advanced tube measurement software Hexagon Manufacturing Intelligence has ever produced. Designed to maximise production efficiency and reduce scrap, TubeShaper features direct connections to CNC tube bending machines, automatic measurement plan creation and direct import of CAD models in a user-friendly package.

For each Part Number, add the suffix of the appropriate bender link* :
- 01 : SV/Network   - 05 : Chiyoda
- 02 : BLM   - 06 : Comco
- 03 : EL Velog   - 07 : Silfax STub
- 04 : Addison Mk3   - 08 : Numalliance Touch&Form

ex : TubeShaper software for SV/NetWork : H00001974-01

Monitor not included.

H00001974	**TubeShaper software** *LMS license including 1 bender link*
H00001975	**Additionnal bender interface** *Additionnal bender link on existing LMS license*
ROY-SMA-TUBE	**SMA for TubeShaper** *Software Maintenance Agreement (SMA) provides access to the updates and unlimited technical support.*
	Upgrades from legacy software *LMS license including 1 bender link*
H00001988	TubeShaper upgrade from GTube
H00001990	TubeShaper upgrade from DOCS (with SMA)
H00001991	TubeShaper upgrade from DOCS (without SMA)
H00002807	TubeShaper upgrade from SupraVision

*: Please consult the TubeShaper Bender Compatibility Guide for a complete and up to date list of compatible CNC tube bender interfaces.

SPATIAL ANALYZER®

Powerful and traceable metrology and analysis software

SpatialAnalyzer® (SA) is a powerful, traceable and easy to use metrology and analysis software package, tailored for the Hexagon 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
- USMN 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

SpatialAnalyzer® makes metrology easy.

Monitor not included.

SA PRO	**Spatial analyzer Professional**
SA UL	**Spatial Analyzer Ultimate**
	Upgrades
576737	*Upgrade from SA PRO to SA UL*
	Maintenance
SA PRO EXT	*SMA for SA Professional*
SA UL EXT	*SMA for SA Ultimate*

WARRANTY AND MAINTENANCE

☑ : standard delivery

✓ : compatible with the item or accessory

– : incompatible with the item or accessory

O : mandatory accessory

opt : optional accessory

CONDITIONS

Standard Manufacturer's Warranty Plan

Renewal of standard manufacturers warranty plan for ROMER Absolute Arms.
Arm must be currently covered by an existing warranty plan. If your arm is out of warranty, then the arm must be returned to your Hexagon Manufacturing Intelligence Service Center for a calibration and checkout. Any required repair parts or labor is extra.
Plans are available to cover one, two or three years. These plans include:
1. Replacement or repair at our option, free of charge, any part or parts which upon examination we find defective in workmanship or material.
2. Unlimited telephone technical support during the warranty period.
3. Under normal usage, the carbon graphite tubes have a lifetime warranty.

Customer assumes all shipping costs.

Extended Maintenance Plan:

Extended Maintenance for ROMER Absolute Arms.
Arm must be currently covered by an existing warranty plan. If your arm is out of warranty, then the arm must be returned to for a calibration and checkout. Any required repair parts or labor is extra. Plans are available to cover one, two or three years. These plans include:
1. Customer is entitled to one calibration during each year of the warranty period (no carryover).
2. Replacement or repair at our option, free of charge, any part or parts which upon examination we find defective in workmanship or material.
3. Unlimited telephone technical support during the warranty period.
4. Under normal usage, the carbon graphite tubes have a lifetime warranty.

Customer assumes all shipping costs.

WARRANTY

H00000764	**Arm - 1 Month standard warranty extension**		
	Renewal of Standard Manufacturer's Warranty Plan for ROMER Absolute Arms series.	7x12	✓
	1 Month. (Can be added as an option, BEFORE the first 12 months of standard warranty	71 Series	✓
	have expired.)	73 / 75 / 77	✓
		73SI / 75SI / 77SI	✓
		73SE / 75SE / 77SE	✓

NCA7-3-52540	**Arm - 1 Year standard warranty extension**		
	Renewal of Standard Manufacturer's Warranty Plan for ROMER Absolute Arms series.	7x12	✓
	1 Year. (Can be added as an option, BEFORE the first 12 months of standard warranty have	71 Series	✓
	expired.)	73 / 75 / 77	✓
		73SI / 75SI / 77SI	✓
		73SE / 75SE / 77SE	✓

NCA7-3-52541	**Arm - 2 Years standard warranty extension**		
	Renewal of Standard Manufacturer's Warranty Plan for ROMER Absolute Arms series.	7x12	✓
	2 Years. (Can be added as an option, BEFORE the first 12 months of standard warranty	71 Series	✓
	have expired.)	73 / 75 / 77	✓
		73SI / 75SI / 77SI	✓
		73SE / 75SE / 77SE	✓

NCA7-3-52542	**Arm - 3 Years standard warranty extension**		
	Renewal of Standard Manufacturer's Warranty Plan for ROMER Absolute Arms series.	7x12	✓
	3 Years. (Can be added as an option, BEFORE the first 12 months of standard warranty	71 Series	✓
	have expired.)	73 / 75 / 77	✓
		73SI / 75SI / 77SI	✓
		73SE / 75SE / 77SE	✓

03939535W	**HP-L-20.8 - 1 Year warranty Sensor + Controller**		
		7x12	
		71 Series	
		73 / 75 / 77	
		73SI / 75SI / 77SI	
		73SE / 75SE / 77SE	
		HP-L-20.8	✓

EXTENDED MAINTENANCE PLAN

NCA7-3-52543   **1 Year extended maintenance plan - 6-axis**
*Renewal of Extended Manufacturer's Maintenance Plan for
ROMER Absolute Arms series. (6-axis).*
*1 Year. (Can be added as an option, BEFORE the fist 12 month of
standard warranty have expired.)*

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	

NCA7-3-52544   **2 Years extended maintenance plan - 6-axis**
*Renewal of Extended Manufacturer's Maintenance Plan for ROMER Absolute Arms series.
(6-axis).*
*2 Years. (Can be added as an option, BEFORE the fist 12 month of standard warranty have
expired.)*

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	

NCA7-3-52545   **3 Years extended maintenance plan - 6-axis**
*Renewal of Extended Manufacturer's Maintenance Plan for ROMER Absolute Arms series.
(6-axis).*
*3 Years. (Can be added as an option, BEFORE the fist 12 month of standard warranty have
expired.)*

7x12	✓
71 Series	✓
73 / 75 / 77	✓
73SI / 75SI / 77SI	
73SE / 75SE / 77SE	

NCA7-3-52546   **1 Year extended maintenance plan - 7-axis**
Renewal of Extended Manufacturer's Maintenance Plan for ROMER Absolute Arms series. (7-axis).
1 Year. (Can be added as an option, BEFORE the fist 12 month of standard warranty have expired.)

7x12	
71 Series	
73 / 75 / 77	
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

NCA7-3-52547   **2 Years extended maintenance plan - 7-axis**
Renewal of Extended Manufacturer's Maintenance Plan for ROMER Absolute Arms series. (7-axis).
2 Years. (Can be added as an option, BEFORE the fist 12 month of standard warranty have expired.)

7x12	
71 Series	
73 / 75 / 77	
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

NCA7-3-52548   **2 Years extended maintenance plan - 7-axis**
Renewal of Extended Manufacturer's Maintenance Plan for Absolute Series Arms (7-axis).
2 Years. (Can be added as an option, BEFORE the fist 12 month of standard warranty have expired.)

7x12	
71 Series	
73 / 75 / 77	
73SI / 75SI / 77SI	✓
73SE / 75SE / 77SE	✓

HEXAGON
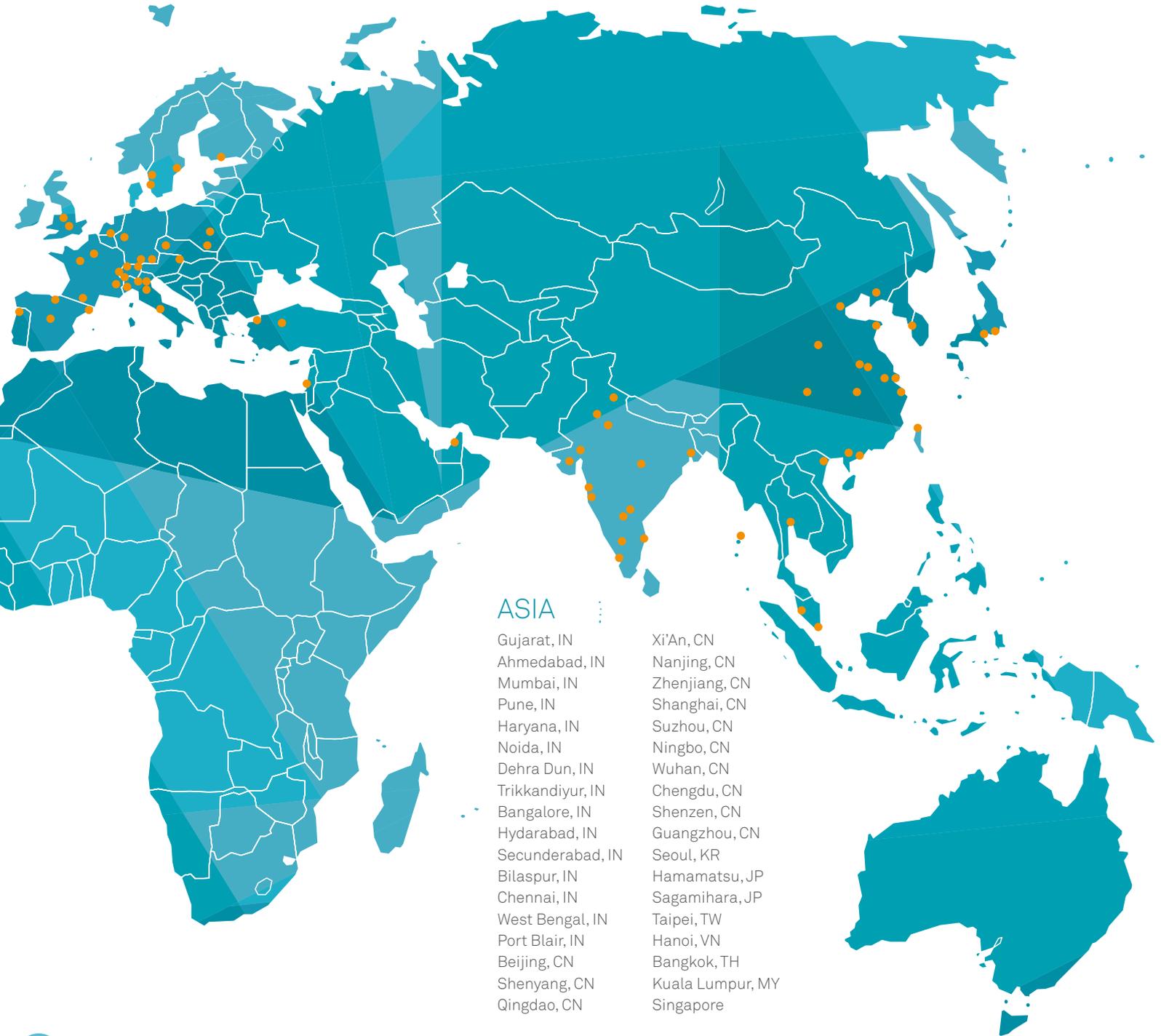MANUFACTURING INTELLIGENCE

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Wixom, MI, US
Elgin, IL, US
Miamisburgh, OH, US
Nashville, TN, US
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Santa Barbara D'Oeste, BR
São Paulo, BR
Curitiba, BR
Pilar Buenos Aires, AR

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Trollhättan, SE
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Montoire, FR
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Munich, DE
Waldburg, DE
Wetzlar, DE
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Dubai, UAE

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Pune, IN	Shanghai, CN
Haryana, IN	Suzhou, CN
Noida, IN	Ningbo, CN
Dehra Dun, IN	Wuhan, CN
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Hydarabad, IN	Guangzhou, CN
Secunderabad, IN	Seoul, KR
Bilaspur, IN	Hamamatsu, JP
Chennai, IN	Sagamihara, JP
West Bengal, IN	Taipei, TW
Port Blair, IN	Hanoi, VN
Beijing, CN	Bangkok, TH
Shenyang, CN	Kuala Lumpur, MY
Qingdao, CN	Singapore

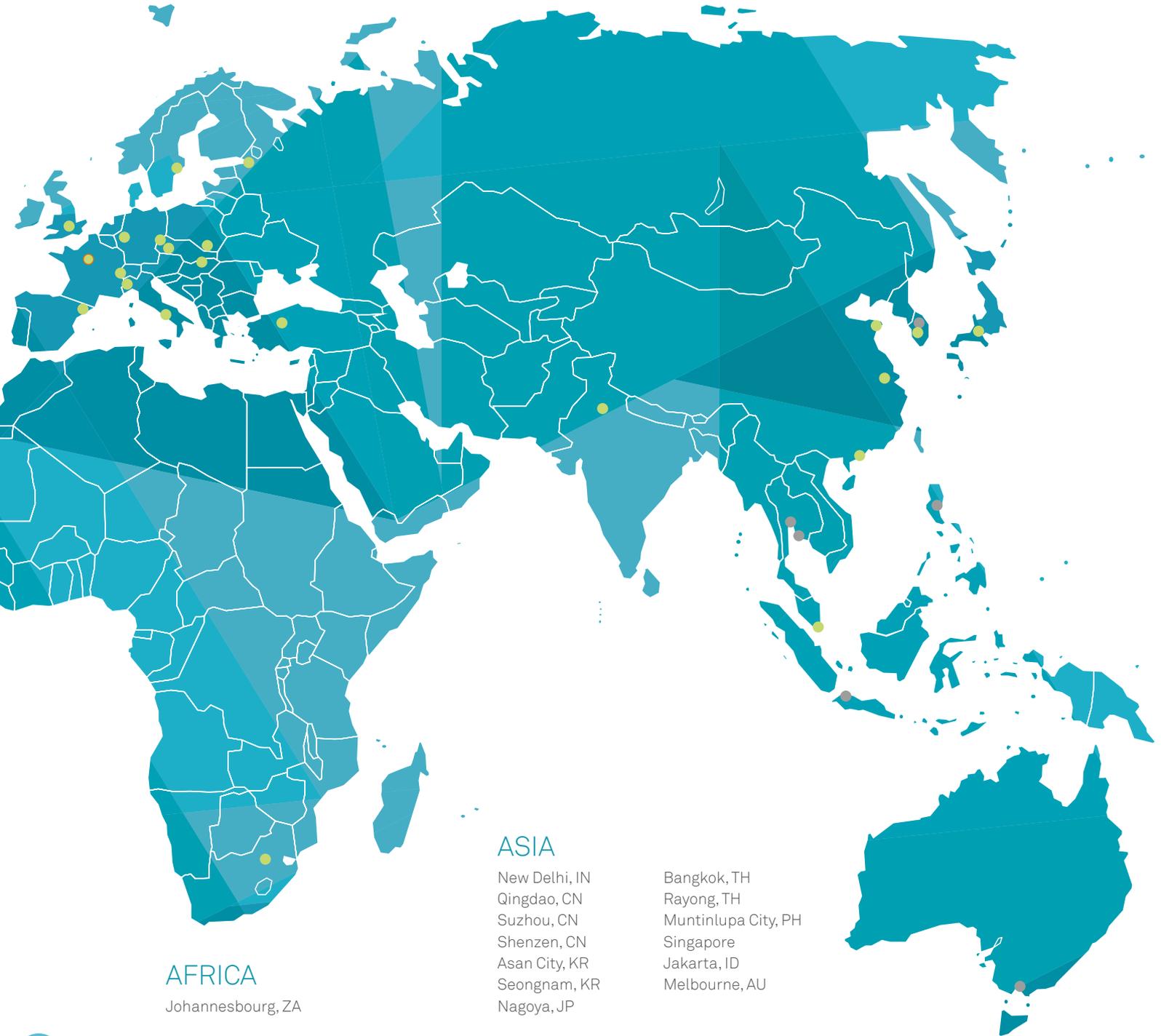# HEXAGON
MANUFACTURING INTELLIGENCE

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- ● Hexagon Manufacturing Intelligence Service Center
- ● Hexagon Manufacturing Intelligence Arms Factory
- ● External Service Center

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Missisauga, CA, US
Monterrey, MX

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Shenzen, CN	Singapore
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Seongnam, KR	Melbourne, AU
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AFRICA

Johannesbourg, ZA

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MANUFACTURING INTELLIGENCE

Hexagon Manufacturing Intelligence helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow. As a leading metrology and manufacturing solution specialist, our expertise in sensing, thinking and acting – the collection, analysis and active use of measurement data – gives our customers the confidence to increase production speed and accelerate productivity while enhancing product quality.

Through a network of local service centres, production facilities and commercial operations across five continents, we are shaping smart change in manufacturing to build a world where quality drives productivity. For more information, visit **HexagonMI.com**.

Hexagon Manufacturing Intelligence is part of Hexagon (Nasdaq Stockholm: HEXA B; **hexagon.com**), a leading global provider of information technologies that drive quality and productivity across geospatial and industrial enterprise applications.

COORDINATE MEASURING MACHINES

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PORTABLE MEASURING ARMS

SERVICES

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