

Leica iCS20/iCS50 Equipment List



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Packages

1 iCS20/iCS50

1.1 Models



	iCS20	iCS50
Robotic (following vPen and vSphere)	○	●
vPole auto-height detection and auto-tilt compensation	○	○
Automatic levelling	●	●
Automatic vTarget detection & aiming	●	●
WLAN for wireless control	●	●
Camera Live Stream	●	●
Panorama capturing	●	●
USB-C	●	●
LED Spotlight	●	●
Quick release tripod mount	●	●
Kensington Security Slot	●	●

● Standard

○ Optional

1.2 Packages for Interior Finishing and Digital Templating - Subscription

	iCS20 Interior Finishing Package w/o tablet (Subs.)	iCS20 Laser Interior Finishing Package (Subs.)	iCS50 vPen Interior Finishing Package (Subs.)	iCS20 Laser Templating Package (Subs.)	iCS50 vPen Templating Package (Subs.)
	6018482	6018483	6018484	6018485	6018486
iCS20, iCON Construction Tool	●	●		●	
iCS50, iCON Robotic Construction Tool			●		●
Software					
iCON trades for Inter. Finish. Sub. (1 yr)	●	●	●		
iCON trades for Templating Sub. (1 yr)				●	●
Accessories					
GVP748, Carry Case for iCS20/50	●	●	●	●	●
CBC51, Charger for indoor use	●	●	●	●	●
CVT3, vTarget plate, 3 pcs.	●	●	●	●	●
CVT4, Stand for vTarget plate, 3 pcs.	●	●	●	●	●
CVT5, vTarget sticker, 20 pcs.	●	●	●	●	●
GZM3, Target plate	●	●	●	●	●
CA101, RC10 Remote Control for iCS20/50			●		●
CTP108, Carbon tripod, quick mount	●	●	●	●	●
Leica CSX8		●	●	●	●
CVT1, iCON vPen			●		●
Documentation					
Leica iCON iCS20/iCS50 User Manual	●	●	●	●	●
Leica iCON iCS20/iCS50 Quick Guide	●	●	●	●	●
Customer Care					
1 yr iCS20/50 Basic CCP	●	●	●	●	●

1.3 Packages for Layout - Subscription

	iCS20 Laser Layout Package (Subs.)	iCS50 Robotic Layout Package (Subs.)	iCS50 Robotic Layout Pro Package (Subs.)
	6018487	6018488	6018489
Sensors			
iCS20, iCON Construction Tool	●		
iCS50, iCON Robotic Construction Tool		●	●
HW Options			
CSW2003, iCS 250 m Option			●
CSW2004, iCS vPole Option			●
Software			
iCON trades for Layout Sub. (1 yr)	●	●	
iCON trades for Layout Pro Sub. (1 yr)			●
Accessories			
GVP748, Carry Case for iCS20/50	●	●	●
CBC51, Charger for indoor use	●	●	●
CVT3, vTarget plate, 3 pcs.	●	●	●
CVT4, Stand for vTarget plate, 3 pcs.	●	●	●
CVT5, vTarget sticker, 20 pcs.	●	●	●
GZM3, Target plate	●	●	●
GST05, Wooden tripod, telescopic	●	●	●
GAD122, Adapter for GST with 5/8"	●	●	●
GVP756, Backstraps for Carry Case	●	●	●
CRP51, Construction vPole, carbon		●	●
CRP10, Construction Pole Tip, cm		●	●
CVT2, iCON vSphere		●	●
GSR115, Bi-Pod, for all GLS and CRP		●	
CA101, RC10 Remote Control for iCS20/50	●		
GHT87 Holder for CSX8		●	●
GHT63 Pole Clamp		●	●
Leica CSX8	●	●	●
Documentation			
Leica iCON iCS20/iCS50 User Manual	●	●	●
Leica iCON iCS20/iCS50 Quick Guide	●	●	●
Customer Care			
1 yr iCS20/50 Basic CCP	●	●	●

1.4 Packages for Interior Finishing and Digital Templating - Permanent

	iCS20 Laser Interior Finishing Package	iCS50 vPen Interior Finishing Package	iCS20 Laser Templating Package	iCS50 vPen Templating Package
	6018311	6018440	6018441	6018312
Sensors				
iCS20, iCON Construction Tool	●		●	
iCS50, iCON Robotic Construction Tool		●		●
Software				
iCON trades for Interior Finishing	●	●		
iCON trades for Templating			●	●
Accessories				
GVP748, Carry Case for iCS20/50	●	●	●	●
CBC51, Charger for indoor use	●	●	●	●
CVT3, vTarget plate, 3 pcs.	●	●	●	●
CVT4, Stand for vTarget plate, 3 pcs.	●	●	●	●
CVT5, vTarget sticker, 20 pcs.	●	●	●	●
GZM3, Target plate	●	●	●	●
CA101, RC10 Remote Control for iCS20/50		●		●
CTP108, Carbon tripod, quick mount	●	●	●	●
Leica CSX8	●	●	●	●
CVT1, iCON vPen		●		●
Documentation				
Leica iCON iCS20/iCS50 User Manual	●	●	●	●
Leica iCON iCS20/iCS50 Quick Guide	●	●	●	●
Customer Care				
1 x 1 yr iCON trades Basic CCP	●	●	●	●
1 x 1 yr iCS20/50 Basic CCP	●	●	●	●

1.5 Packages for Layout - Permanent

	iCS20 Laser Layout Package	iCS50 Robotic Layout Package	iCS50 Robotic Layout Pro Package
	6018314	6018315	6018316
Sensors			
iCS20, iCON Construction Tool	●		
iCS50, iCON Robotic Construction Tool		●	●
HW Options			
CSW2003, iCS 250 m Option			●
CSW2004, iCS vPole Option			●
Software			
iCON trades for Layout	●	●	
iCON trades for Layout Pro			●
Accessories			
GVP748, Carry Case for iCS20/50	●	●	●
CBC51, Charger for indoor use	●	●	●
CVT3, vTarget plate, 3 pcs.	●	●	●
CVT4, Stand for vTarget plate, 3 pcs.	●	●	●
CVT5, vTarget sticker, 20 pcs.	●	●	●
GZM3, Target plate	●	●	●
GST05 Wooden tripod, telescopic	●	●	●
GAD122, Adapter for GST with 5/8"	●	●	●
GVP756, Backstraps for Carry Case	●	●	●
CA101, RC10 Remote Control for iCS20/50	●		
CVT2, iCON vSphere		●	●
CRP51, Construction vPole, carbon		●	●
CRP10, Construction Pole Tip, cm		●	●
GSR115, Bi-Pod, for all GLS and CRP		●	
Leica CSX8	●	●	●
GHT87 Holder for CSX8		●	●
GHT63 Pole Clamp		●	●
Documentation			
Leica iCON iCS20/iCS50 User Manual	●	●	●
Leica iCON iCS20/iCS50 Quick Guide	●	●	●
Customer Care			
1 x 1 yr iCON trades Basic CCP	●	●	●
1 x 1 yr iCS20/50 Basic CCP	●	●	●

1.6 Demo Packages

	iCS20 iCON trades Demo Package	iCS50 vPen iCON trades Demo Package	iCS50 vPole Pro iCON trades Demo Package
	6018961	6018962	6018963
Sensors			
iCS20, iCON Construction Tool	●		
iCS50, iCON Robotic Construction Tool		●	●
HW Options			
CSW2003, iCS 250 m Option			●
CSW2004, iCS vPole Option			●
Software			
iCON trades Demo	●	●	●
Accessories			
GVP748, Carry Case for iCS20/50	●	●	●
CBC51, Charger for indoor use	●	●	●
CVT3, vTarget plate, 3 pcs.	●	●	●
CVT4, Stand for vTarget plate, 3 pcs.	●	●	●
CVT5, vTarget sticker, 20 pcs.	●	●	●
GZM3, Target plate	●	●	●
CVT1, iCON vPen		●	
CTP108, Carbon tripod, quick mount	●	●	
GST05 Wooden tripod, telescopic			●
GAD122, Adapter for GST with 5/8"			●
GVP756, Backstraps for Carry Case			●
CA101, RC10 Remote Control for iCS20/50	●	●	
CVT2, iCON vSphere			●
CRP51, Construction vPole, carbon			●
CRP10, Construction Pole Tip, cm			●
Leica CSX8	●	●	●
GHT87 Holder for CSX8			●
GHT63 Pole Clamp			●
Documentation			
Leica iCON iCS20/iCS50 User Manual	●	●	●
Leica iCON iCS20/iCS50 Quick Guide	●	●	●

1.7 Packages for Software Integrator

	iCS20 Software Integrator Package	iCS50 Software Integrator Package
	6018593	6018594
Sensors		
iCS20, iCON Construction Tool	●	
iCS50, iCON Robotic Construction Tool		●
HW Options		
CSW2007, iCS Integrator SDK Option	●	●
Accessories		
GVP748, Carry Case for iCS20/50	●	●
CBC51, Charger for indoor use	●	●
CVT3, vTarget plate, 3 pcs.	●	●
CVT4, Stand for vTarget plate, 3 pcs.	●	●
CVT5, vTarget sticker, 20 pcs.	●	●
GZM3, Target plate	●	●
Documentation		
Leica iCON iCS20/iCS50 User Manual	●	●
Leica iCON iCS20/iCS50 Quick Guide	●	●
Customer Care		
1 yr iCS20/50 Basic CCP	●	●

2 Additional Hardware Options

2.1 iCS20 Hardware Options

983 199	CSW2002	iCS Robotic Option to track iCON vPen and iCON vPole.
983 200	CSW2003	iCS 250 m Option to extend measure range from 50 m to 250 m (reflectorless and prism).
983 201	CSW2004	iCS vPole Option to automatically compensate pole tilt and automatically set pole height for iCS20*/50 (*Robotic Option required).
997 189	CSW2007	iCS Integrator SDK Option to use the iCS20/iCS50 with software from official integration partner.  Approval process is needed to order this article.

2.2 iCS50 Hardware Options

983 200	CSW2003	iCS 250m Option to extend measure range from 50 m to 250 m (reflectorless and prism).
983 201	CSW2004	iCS vPole Option to automatically compensate pole tilt and automatically set pole height for iCS20*/50 (*Robotic Option required).
997 189	CSW2007	iCS Integrator SDK Option to use the iCS20/iCS50 with software from official integration partner.  Approval process is needed to order this article.

Accessories

3 CSX8 Tablet



Tablet

971 100	CSX8	Leica CSX8 Tablet (EU) Leica CSX 8" screen, Android 12, Google Mobile Services, 8 GB RAM, 256 GB Flash, WiFi, Bluetooth, USB-A and USB-C plug, MicroSD card slot, 32 MPix Camera with dual flash, 8 MPix Camera front, 4G/5G LTE module, Dual frequency GNSS, IP66/68 environmental protection. Includes 1 Li-Ion battery, 1 USB-C charging cable with EU/UK/US/AUS power adapter, hand strap, and Quick Guide. 2 years warranty. (LGT-08QA-2301)
973 761	CSX8	Leica CSX8 Tablet Leica CSX 8" screen, Android 12, Google Mobile Services, 8 GB RAM, 256 GB Flash, WiFi, Bluetooth, USB-A and USB-C plug, MicroSD card slot, 32 MPix Camera with dual flash, 8 MPix Camera front, 4G/5G LTE module, Dual frequency GNSS, IP66/68 environmental protection. Includes 1 Li-Ion battery, 1 USB-C charging cable with EU/UK/US/AUS power adapter, hand strap, and Quick Guide. 2 years warranty. (LGT-08QA-2301)



Accessory for Tablet

971 102	GHT87	Holder for CSX8 Tablet
767 880	GHT63	Clamp arrangement for attaching the GHT87 to all poles.
845 832	GHT70	GHT70 Tripod Adapter
971 980	SPF11	SPF11 Screen Protection Foil CSX8

Spare Part

982 489	GVP755	Spare pouch for tablet up to 11" size. To fit into GVP748 carry case for iCS20/50.
907 285	GEB256	GEB256 Li-Ion Battery BA820
971 104	GEV295	GEV295 USB-C Power Supply QC v3
975 963		CSX8 Hand Strap

4 Remote Control

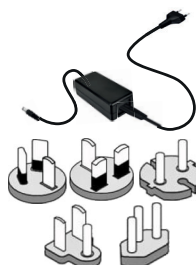


973 483	CA101	RC10 Remote Control for iCS20/50, incl. neck strap and USB-C to USB-C cable for charging directly via tablet.
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Spare Part

969 153	CA102	Spare neck strap for CA101, RC10 Remote Control, black.
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5 Power Supply



933 348	CBC51	Charger for iCS20 and iCS50 for indoor use, input 100 V-240 V AC 50-60 HZ, output 60 W, 24 V/2.5 A. Country plug not included.
986 864	CBC52	AC Power cable Type B: US/CAN/JP for CBC51
986 866	CBC53	AC Power cable Type F: EU for CBC51
986 868	CBC54	AC Power cable Type G: UK/HK for CBC51
986 869	CBC55	AC Power cable Type I: AUS/NZ/CN for CBC51
986 871	CBC56	AC Power cable Type J: CH for CBC51

6 Container



983 275	GVP748	Carry Case for iCS20/50 instrument and accessories, incl. shoulder strap and tablet sleeve.
983 276	GVP756	Backstraps for carry case GVP748.
Spare Part		
982 489	GVP755	Spare pouch for tablet up to 11" size. To fit into GVP748 carry case for iCS20/50.

7 Tripods



726 831	GST101	Wooden heavy duty tripod, carrying strap.
399 244	GST05	Wooden light tripod with polymer coating, carrying strap.
394 752	GST20-9	Wooden heavy duty tripod, carrying strap.
667 301	GST120-9	Wooden heavy duty tripod, carrying strap, selfclosing.
914 627	CTP108	Carbon tripod for indoor use with quick release mount and carry bag.
332 200	GST4	Tripod-star, for setting up tripods on hard and slippery surfaces.
842 067	GAD120	Adapter to tribrach.
870 985	GAD122	Adapter for GST with 5/8"

8 Targets



973 498	CVT1	iCON vPen, incl. roll protection and vPen tip (R=0.5 mm).
973 500	CVT2	vSphere for iCON vPole, incl. sphere protection and pouch.
973 481	CVT3	vTarget plate for automatic setup with iCS20/50, 90x90 mm. Pack of 3 pieces with unique IDs.
983 269	CVT4	Magnetic stand for CVT3, vTarget plate. Pack of 3 pieces.
973 482	CVT6	vTarget sticker for automatic setup with iCS20/50, 90x90 mm. Pack of 50 pieces with unique IDs from 1 to 50.
820 943	GZM3	Target plate.
Spare Part		
981 628	CVT7	Spare roll protection for CVT1, iCON vPen.
982 490	CVT8	Spare tip for CVT1, vPen. Stainless steel with 1.0 mm tip radius for sensitive surfaces.
1000222	CVT11	Spare tip for CVT1, vPen. Stainless steel with 0.5 mm tip radius for highest precision.
982 491	CVT9	Spare topple over protection for CVT2, iCON vSphere.
982 492	CVT10	Spare pouch for CVT2, vSphere.

9 Poles



892 401	CRP51	Construction Pole for iCON vPole, for GVT2, 3 telescopic height positions up to 2.00 m, carbon, 2 x 5/8" screws, 1 x circular bubble.
806 685	CRP10	Construction Pole Tip, hard metal Tip, prism height.
806 687	CRP11	Construction Pole tiltable plate, cm.
817 344	CRP12	Centre punch tip for all CRP poles. Hard metal tip works for example on concrete, metal, wood.

10 Bi-Pods



774 612	GSR115	Bi-Pod for all GLS and CRP
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11 Data Transfer



973 501	GEV304	Data transfer cable, USB-C to USB-C, 1.2 m.
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Software

12 Subscription SW Options



5311606	1 year Subscription of iCON trades. Includes: Project Management, Editing Tools, Import & Export of DXF, DWG (import only), PDF, TXT and CSV files and file exchange with cloud storages, software maintenance.
5311607	1 year Subscription of iCON trades TPS MEASURE Option. Includes: 2D/3D Measuring, software maintenance.
5311608	1 year Subscription of iCON trades MARKING Option. Includes: 2D laser projection of points, regular grids and imported plans onto horizontal or vertical surface, software maintenance.
5311609	1 year Subscription of iCON trades TEMPLATING/CNC Option. Includes: Extended CAD tools and export to CNC DXF and ALPHACAM, software maintenance.
5311610	1 year Subscription of iCON trades LAYOUT Option. Includes: 2D/3D layout of points and lines from a file using laser or robotic layout, progress management and quality control with layout statistics and layout report, software maintenance.
5311611	1 year Subscription of iCON trades BIM OBJECTS Option. Includes: IFC support, software maintenance.
5311612	1 year Subscription of iCON trades CLOUD CONNECT Option. Includes: Direct connection and file exchange with popular construction clouds, software maintenance.

13 Subscription SW Packages



	iCON trades for Interior Finishing Sub. (1yr)	iCON trades for Templating Sub. (1yr)	iCON trades for Layout Sub. (1yr)	iCON trades for Layout Pro Sub. (1yr)
	5312138	5312139	5312140	5312141
SW Options				
iCON trades BASE Subscription (1yr)	●	●	●	●
iCON trades TPS MEASURE Sub. Option	●	●	●	●
iCON trades MARKING Sub. Option	●	●	●	●
iCON trades TEMPLATING/CNC Sub. Option		●		
iCON trades LAYOUT Sub. Option			●	●
iCON trades BIM OBJECT Sub. Option				●
iCON trades CLOUD CONNECT Sub. Option				●

14 Permanent SW Options



976 139	iCON trades base license. Includes: Project Management, Editing Tools, Import & Export of DXF, DWG (import only), PDF, TXT and CSV files and file exchange with cloud storages.
976 141	iCON trades TPS MEASURE Option. Includes: 2D/3D Measuring
976 142	iCON trades MARKING Option. Includes: 2D laser projection of points, regular grids and imported plans onto horizontal or vertical surface.
976 143	iCON trades TEMPLATING/CNC Option. Includes: Extended CAD tools and export to CNC DXF and ALPHACAM.
976 144	iCON trades LAYOUT Option. Includes: 2D/3D layout of points and lines from a file using laser or robotic layout, progress management and quality control with layout statistics and layout report.
976 145	iCON trades BIM OBJECTS Option. Includes: IFC support.
976 146	iCON trades CLOUD CONNECT Option. Includes: Direct connection and file exchange with popular construction clouds.

15 Permanent SW Packages



	iCON trades for Interior Finishing	iCON trades for Templating	iCON trades for Layout	iCON trades for Layout Pro
	987 937	987 940	987 941	987 942
SW Options				
iCON trades BASE	●	●	●	●
iCON trades TPS MEASURE Option	●	●	●	●
iCON trades MARKING Option	●	●	●	●
iCON trades TEMPLATING/CNC Option		●		
iCON trades LAYOUT Option			●	●
iCON trades BIM OBJECT Option				●
iCON trades CLOUD CONNECT Option				●

16 Demo/Trial

976 147	iCON trades DEMO License. Includes all options. Valid for 1 year.
5312243	iCON trades TRIAL License. Includes all options. Valid for 14 days.

Active Customer Care

A wide selection of comprehensive Customer Care Packages (CCPs) is available bundling Hardware Maintenance, Software Maintenance, Customer Support and Extended Warranty.
For more information about the CCP offering in your country please contact your local Leica Geosystems organization or distribution partner.

17 Enduser CCP - iCS20/50



6019259	1 yr iCS20/50 Basic CCP, consisting of: 1 yr FW Maintenance, 1 yr Customer Support.
6019260	2 yrs iCS20/50 Basic CCP, consisting of: 2 yrs FW Maintenance, 2 yrs Customer Support.
6019261	3 yrs iCS20/50 Basic CCP, consisting of: 3 yrs FW Maintenance, 3 yrs Customer Support.
6019262	5 yrs iCS20/50 Basic CCP, consisting of: 5 yrs FW Maintenance, 5 yrs Customer Support.
6019263	2 yrs iCS20/50 Bronze CCP, consisting of: 2 yrs FW Maintenance, 2 yrs Customer Support, 1 yr ext. Warranty.
6019264	3 yrs iCS20/50 Bronze CCP, consisting of: 3 yrs FW Maintenance, 3 yrs Customer Support, 2 yrs ext. Warranty.
6019265	5 yrs iCS20/50 Bronze CCP, consisting of: 5 yrs FW Maintenance, 5 yrs Customer Support, 4 yrs ext. Warranty.
6019266	1 yr Extension iCS20/50 Bronze CCP, consisting of: 1 yr FW Maintenance, 1 yr Customer Support, 1 yr ext. Warranty.

18 Enduser CCP - iCON trades



6018319	1 yr iCON trades Basic CCP, consisting of: 1 yr SW Maintenance, 1 yr Customer Support.
6018320	2 yrs iCON trades Basic CCP, consisting of: 2 yrs SW Maintenance, 2 yrs Customer Support.
6018321	3 yrs iCON trades Basic CCP, consisting of: 3 yrs SW Maintenance, 3 yrs Customer Support.

Trademarks & Technical Data

19 Trademarks

The *Bluetooth*® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Leica Geosystems AG is under license.
Other trademarks and trade names are those of their respective owners.

20 Technical Data

Distance meter:

Laser class 2 in accordance with IEC 60825-1



Suggested Equipment Setups

21 Laser Measurement application



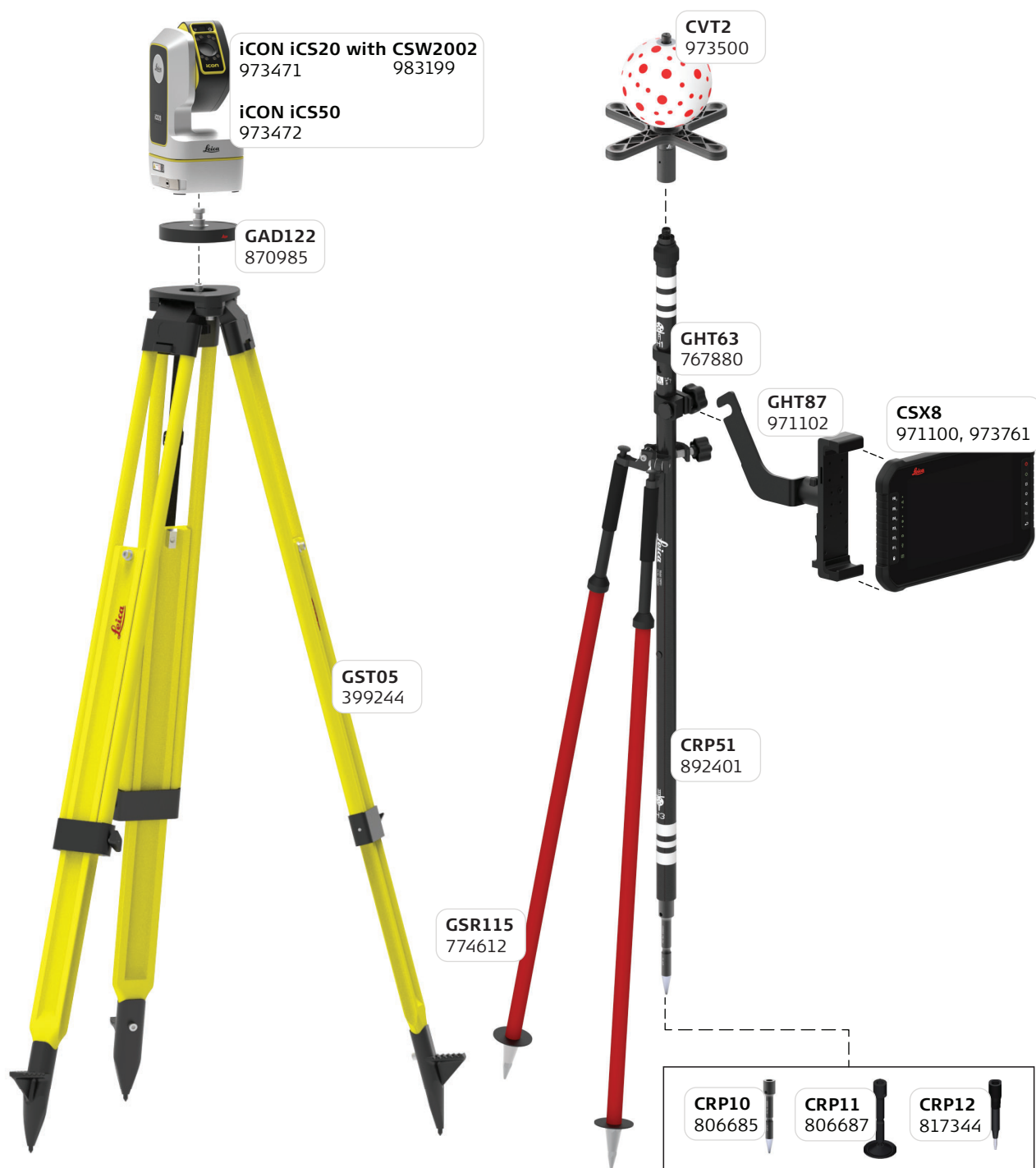
22 vPen Measurement application



23 Laser Layout application



24 One-person Robotic Standard Layout application with vPole



25 One-person Robotic Layout Pro application with vPole tilt compensation and automatic pole height



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

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

Hexagon's Geosystems division provides a comprehensive portfolio of digital solutions that capture, measure, and visualise the physical world and enable data-driven transformation across industry ecosystems.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 22,000 employees in 50 countries and net sales of approximately 4.3bn EUR. Learn more at hexagon.com and follow us @HexagonAB



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