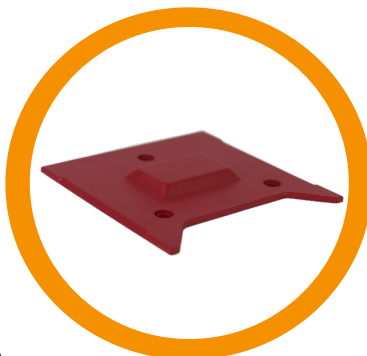
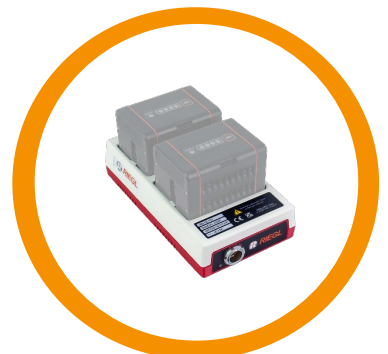


Accessory List

RIEGL VZ-600i



Overview

☒ ... indicated items are part of the scanner basic configuration
☐ ... optional items

Tripods

Harsh Environment Carbon Tripod 165 Ne	<input type="checkbox"/>
Lightweight Carbon Tripod 160In	<input type="checkbox"/>
VZ-600i 3-Point Setup Stand with Adapter for Lightweight Carbon Tripod	<input type="checkbox"/>
Quick-release mount for VZ-600i with 5/8" and 10 mounting holes	<input type="checkbox"/>
Quick-release mount for VZ-600i with 5/8"	<input type="checkbox"/>
Carbon Surveyor's Tripod	<input type="checkbox"/>
Stable, Professional Tripod	<input type="checkbox"/>
Tripod Star	<input type="checkbox"/>

GNSS Option

VZ-600i <i>RIEGL</i> GNSS RTK Receiver, Ri-RTKM	<input type="checkbox"/>
VZ-600i <i>RIEGL</i> GNSS Receiver, Ri-GNSS-t-L1	<input checked="" type="checkbox"/>

Power Supply Options

AC Power Supply Unit for VZ-xx	<input checked="" type="checkbox"/>
Battery-Pack Li-Ion RBLI 8S1P	<input type="checkbox"/>
Dual Charger for <i>RIEGL</i> RBLI 8S1P	<input type="checkbox"/>
Charging Station for <i>RIEGL</i> RBLI 8S1P	<input type="checkbox"/>
Power Supply Cable 2 pole to cigarette lighter plug for V-Line, 2m	<input type="checkbox"/>
Rechargeable NiMH Battery for External Power Supply	<input type="checkbox"/>
Automatic Charger for External NiMH Battery	<input type="checkbox"/>
Power Supply Cable, 7 pole to 2 pole for V-Line, 2m	<input type="checkbox"/>
Adapter Cable, from banana plugs to power supply cable, 1m	<input type="checkbox"/>
Adapter Cable, 1m, from 7 pole supply cable to 12 V PbGel battery ("quick action")	<input type="checkbox"/>
Adapter Cable, 1m, from 7 pole supply cable to 12 V PbGel battery ("crocodile")	<input type="checkbox"/>

Camera and Camera Accessories

Sony ILX-LR1 Camera for use with <i>RIEGL</i> VZ-600i	<input type="checkbox"/>
Sony Lens FE 14 mm F 1.8 GM	<input type="checkbox"/>
<i>RIEGL</i> VZ-600i GNSS RTK Receiver with mount for Sony ILX-LR1, Ri-RTKCM2	<input type="checkbox"/>
VZ-600i <i>RIEGL</i> camera mount for RICOH THETA Z1, Ri-RTZ1CM2	<input type="checkbox"/>
VZ-600i <i>RIEGL</i> camera mount with RICOH THETA Z1, Ri-RTZ1CM2	<input type="checkbox"/>

Accessories for Transport and Protection

Scanner Carrying Case for VZ-600i	<input type="checkbox"/>
Set of Protection Caps for VZ-600i	<input checked="" type="checkbox"/>
Scanner "backpack" for carrying a 3D laser scanner VZ-i Series	<input type="checkbox"/>
Scanner „backpack“ for carrying a 3D laser scanner VZ-4000(i ²⁵) / 6000	<input type="checkbox"/>

Retroreflectors

Flat Circular Retroreflectors	<input checked="" type="checkbox"/>
Cylindrical Retroreflectors	<input type="checkbox"/>
Biaxial Bireflex Flat Circular Retroreflectors	<input type="checkbox"/>

Other Accessories

TCP/IP Cable M12-RJ45, 1m	<input checked="" type="checkbox"/>
TCP/IP Cable M12-RJ45, 3m	<input type="checkbox"/>
USB Debug Cable for VZ-600i	<input checked="" type="checkbox"/>
CFexpress™ Typ B Card Reader for VZ-600i, with USB 3.2 Connection Cable	<input checked="" type="checkbox"/>
CFexpress™ Card for VZ-600i	<input checked="" type="checkbox"/>

Service Options

Basic Service Package for VZ-600i	<input type="checkbox"/>
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Digital Camera Calibration Service for V-Line Scanner	<input type="checkbox"/>
Post-Processing Software	
RiSCAN PRO Static LiDAR Data Processing	<input checked="" type="checkbox"/> / <input type="checkbox"/>
<i>RIEGL</i> Deep Learning Suite	
RiSOLVE Static LiDAR Data Processing for Rapid Response	<input type="checkbox"/>
RiMINING Static LiDAR Data Processing for Mining	<input type="checkbox"/>
Post-Processing Software Plug-Ins	
RiPANO Publishing	<input type="checkbox"/>
LIS Tree Analyzer Plug-In	<input type="checkbox"/>
LIS GeoTec Plug-In	<input type="checkbox"/>
Static Multi Station Adjustment License	<input type="checkbox"/>
RiSCAN PRO Kinematic Data Processing	<input type="checkbox"/>
RiUNITE – RiWORLD functionality, LIGHT	<input type="checkbox"/>
Extended Maintenance for RiUNITE – RiWORLD functionality, LIGHT	<input type="checkbox"/>
<i>RIEGL</i> Post-Processing Apps	
<i>RIEGL</i> Monitoring Apps for VZ-i Series (Monitor +, Monitoring, DesignCompare, SlopeAngle)	<input type="checkbox"/>

- ☒ ... indicated items are part of the scanner basic configuration
☐ ... optional items

Tripods

Harsh Environment Carbon Tripod 165 Ne

 Part-No. HW-GP-06-586-00

maximum load 30 kg
weight: 2.5 kg
height: 165 cm

The tripod has a spike on each leg that can be unscrewed if desired.




Lightweight Carbon Tripod 160In

 Part-No. HW-GP-06-590-00

maximum load: 30 kg
weight: 2.2 kg
height: 160 cm



VZ-600i 3-Point Setup Stand with Adapter for Lightweight Carbon Tripod

 Part-No. HW-VZI-06-009-00
weight: 0.22 kg



Quick-release mount for VZ-600i with 5/8" and 10 mounting holes


 Part-No. HW-VZI-06-023-00

weight: 0.45 kg

with locking bolt
4x mounting holes with a diameter of 5,5 mm
6x mounting holes with M5 thread



Quick-release mount for VZ-600i with 5/8"

 Part-No. HW-VZI-06-030-00
weight: 0.2 kg



Carbon Surveyor's Tripod

 Part-No. HW-GP-06-474-00

maximum load: 22 kg
weight: 4.9 kg
height: 193 cm



Stable, Professional Tripod

 Part-No. HW-GP-06-370-00

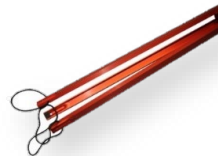
weight 7.60 kg
height: 170 cm



Tripod Star for Operation on Smooth Surfaces

 Part-No. HW-GP-06-001-00

weight: 0.35 kg



GNSS Options

VZ-600i *RIEGL* GNSS RTK Receiver, Ri-RTKM

 Part-No. HW-VZI-06-008-00

weight: 0.62 kg

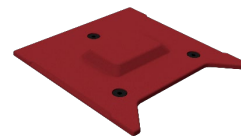


VZ-600i *RIEGL* GNSS Receiver, Ri-GNSS-t-L1

 Part-No. HW-VZI-06-016-00

- L1-Band, 4 concurrent GNSS (GPS, GLONASS, Galileo, BeiDou)
- GNSS on Top

weight: 0.09 kg



Power Supply Options

AC Power Supply Unit for VZ-xx

 Part-No. HW-VZXX-04-000-00

For *RIEGL* VZ-xx, 100 - 240 V AC, 50 - 60 Hz


- for direct operation of the scanner from main power supply
- for supplying e.g. the
 - Dual Charger (Part-No. HW-VZXX-04-010-00) or
 - Charging Station (Part-No. HW-VZXX-04-011-00)

weight: 0.43 kg



symbolic image – EU version

Battery-Pack Li-Ion RBLI 8S1P

 Part-No. HW-VZXX-04-009-00

- Li-Ion 28.8 V Technology
- Capacity 99 Wh, 3.45 Ah
- Battery pack life typ. 500 - 600 charging cycles

weight: 0.46 kg



Dual Charger for *RIEGL* RBLI 8S1P

 Part-No. HW-VZXX-04-010-00


Provides the possibility to charge up to 2 (two) *RIEGL* RBLI 8S1P batteries at the same time

- Input Supply Voltage 11-34 V
- Charging time 2,75 h for two batteries
- Size 94 x 42 x 170 (mm)
- **RBLI 8S1P batteries**
(Part-No. HW-VZXX-04-009-00) and
AC Power Supply Unit
(Part-No. HW-VZXX-04-000-00) not included

weight: 0.26 kg



Charging Station for *RIEGL* RBLI 8S1P

 Part-No. HW-VZXX-04-011-00

Provides the possibility to charge up to 6 *RIEGL* RBLI 8S1P batteries at the same time

Input Supply Voltage 11-34 V

Charging time

- up to 3 batteries 2,75 h
- 4 batteries 4,5 h
- 6 batteries 5,5 h

Size 350 x 295 x 150 (mm)

AC Power Supply Unit

(Part-No. HW-VZXX-04-000-00) included


RBLI 8S1P batteries

(Part-No. HW-VZXX-04-009-00) not included

weight: 3.70 kg



Power Supply Cable 2 pole to cigarette lighter plug for V-Line, 2m

 Part-No. HW-VXX-03-052-00

Compatible with e.g.

- Dual Charger
(Part-No. HW-VZXX-04-010-00) or
- Charging Station
(Part-No. HW-VZXX-04-011-00)

weight: 0.16 kg



Rechargeable NiMH Battery for External Power Supply

 Part-No. HW-GP-04-000-00

13.2 V, 18 Ah, 238 Wh, with fuse

weight: 3.37 kg



intended for combined use!

Automatic Charger for External NiMH Battery



Part-No. HW-GP-04-001-00

100 - 240 V AC, short circuit proof

weight: 0.75 kg



Power Supply Cable, 7 pole to 2 pole for V-Line, 2m



Part-No. HW-VXX-03-011-01

weight: 0.25 kg



Adapter Cable, from banana plugs to power supply cable, 1m



Part-No. HW-GP-03-004-00

- Compatible with Power Supply Cable (Part-No. HW-VXX-03-011-01)

weight: 0.12 kg



intended for combined use!

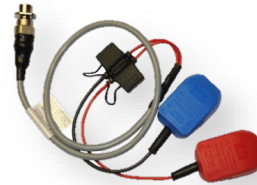
Adapter Cable, 1m, from 7 pole supply cable to 12 V PbGel battery (“quick action”)



Part-No. HW-GP-03-006-00

- Compatible with Power Supply Cable (Part-No. HW-VXX-03-011-01)
- with “quick action” battery pole connectors

weight: 0.35 kg



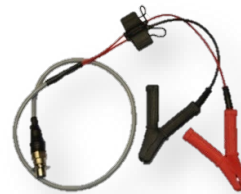
Adapter Cable, 1m, from 7 pole supply cable to 12 V PbGel battery (“crocodile”)



Part-No. HW-GP-03-007-00


- **Compatible with Power Supply Cable (Part-No. HW-VXX-03-011-01)**Compatible with Power Supply Cable (Part-No. HW-VXX-03-011-01)
- with “crocodile” battery pole connector

weight: 0.32 kg



Camera and Camera Accessories


Sony ILX-LR1 Camera for use with *RIEGL* VZ-600i

 Part-No.: HW-CAM-09-022-00

weight: 0.24 kg



Sony Lens FE 14 mm F 1.8 GM

 Part-No. HW-CAM-10-071-00

weight: 0.5 kg



***RIEGL* VZ-600i GNSS RTK Receiver with mount for Sony ILX-LR1, Ri-RTKCM2**

 Part-No.: HW-VZI-06-018-00

- GNSS corrections received via WLAN
- Sony ILX-1LR camera is not included

weight: 0.80 kg



**VZ-600i *RIEGL* camera mount for
RICOH THETA Z1, Ri-RTZ1CM2**



Part-No. HW-VZI-06-019-00

- power supplied via scanner
- with integrated GNSS L1 receiver
- easy to mount on the scanner
- RICOH THETA Z1 camera is not included

weight: 0.4 kg



**VZ-600i *RIEGL* camera mount with
RICOH THETA Z1, Ri-RTZ1CM2**



Part-No. HW-VZI-06-019-01

- power supplied via scanner
- with integrated GNSS L1 receiver
- easy to mount on the scanner
- with USB

weight: 0.6 kg



Accessories for Transport and Protection

Scanner Carrying Case for VZ-600i

 Part-No. HW-VZXX-05-016-00

With 4 hinged handgrips and wheels, splash-proof, foam lined to fit shape of the *RIEGL* VZ-600i scanner with camera and cables.

Dimensions: 570 x 320 x 250 mm

weight: 5.10 kg



Set of Protection Caps for VZ-600i

 Part-No. HW-VZXX-06-098-00

weight: 0.02 kg



Scanner "backpack" for carrying a 3D laser scanner VZ-i Series

 Part-No. HW-GP-06-459-01

- standard backpack for transporting a *RIEGL* VZ-400i, VZ-2000i, VZ-600i with mounted Ri-RTKM

weight: 2.30 kg



Scanner „backpack“ for carrying a 3D laser scanner VZ-4000(i²⁵) / 6000

 Part-No. HW-GP-06-458-01

- standard backpack for transporting a *RIEGL* VZ-600i, VZ-4000, VZ-4000i²⁵, VZ-6000

weight: 2.70 kg



Retroreflectors

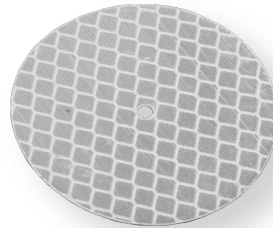
Flat Circular Retroreflectors

Included in the Scanner Basic Configuration:

- Part-No. HW-GP-06-002-01
(25 pieces, 50 mm)

Not Included in the Scanner Basic Configuration:

- Part-No. HW-GP-06-002-00
(100 pieces, 50 mm) weight: 0.15 kg
- Part-No. HW-GP-06-003-00
(100 pieces, 100 mm) weight: 0.40 kg



Cylindrical Retroreflectors

- Part-No. HW-GP-06-271-00
(50 x 50 mm) weight: 0.35 kg
- Part-No. HW-GP-06-274-00
(100 x 100 mm) weight: 1.10 kg

- 5 pieces each



Biaxial Bireflex Flat Circular Retroreflectors

- Part-No. HW-GP-06-454-00
 - 50 mm each
 - mounted on universal joints

weight: 0.07 kg



Other Accessories

TCP/IP Cable M12-RJ45, 1m

➤ Part-No. HW-GP-03-055-00

weight: 0.15 kg



TCP/IP Cable M12-RJ45, 3m

➤ Part-No. HW-GP-03-056-00

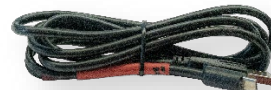
weight: 0.25 kg



USB Debug Cable for VZ-600i, 1.5m

➤ Part-No. HW-VZ-03-000-00

weight: 0.05 kg



CFexpress™ Typ B Card Reader for VZ-600i, with USB 3.2 Connection Cable

➤ Part-No. HW-VZI-06-010-00

weight: 0.22 kg



CFexpress™ Card for VZ-600i

➤ Part-No. HW-VZI-06-011-00
(512 GB)

➤ Part-No. HW-VZI-06-011-01
(1 TB)

CFexpress™ Typ B

weight: 0.02 kg



Service Options

Basic Service Package for VZ-600i

 Part-No. HW-VZ600-11-000-00

It is recommended at basic service intervals of


- 3000 hours of total scan operating time OPTIME[2] or OPTIME[3]
(= scanning mechanism in operation)
- or 2 years

whichever occurs earlier.

It comprises:

1. unpacking and cleaning of the instrument
2. laying out of service paper work
3. first functional check
4. cleaning of the beam exit window
5. Installation of firmware upgrades (if applicable)
6. check or re-calibration of the optional adjustment (range-finder unit)
7. check or re-calibration of the scanner at the *RIEGL* test field
8. check or re-calibration of the orientation sensors at the *RIEGL* test field
9. check or re-calibration of the internal camera calibration
10. test of max. measurement range
11. final instrument check at the *RIEGL* test area
12. preparation of calibration and test certificates
13. repacking the instrument for shipment

Digital Camera Calibration Service for V-Line Scanner (Sony ILX / Sony 7RIV)

 Part-No. ST-GP-11-002-00

Provides complete set of camera calibration parameters for use in RiSCAN PRO including internal calibration, lens distortion parameters and mounting calibration parameters. Parameters are delivered within a RiSCAN PRO project. Calibration statistics included (available for camera-lens combinations as recommended by *RIEGL* LMS).

Post-Processing Software

RiSCAN PRO **Static LiDAR Data Processing**

- **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-07-000-00

Included in the scanner basic configuration

- **Floating License Package (SIL)**
Part-No. SW-TLS-07-001-00

RiSCAN PRO Instrument Serial Number License mandatory

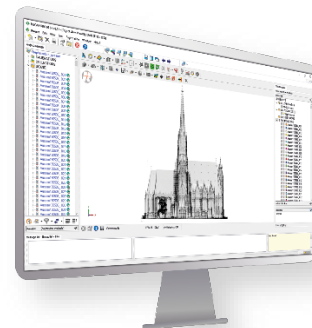
[Click or scan for the specifications!](#)



Extended Maintenance for RiSCAN PRO
Static LiDAR Data Processing

- **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-12-000-00

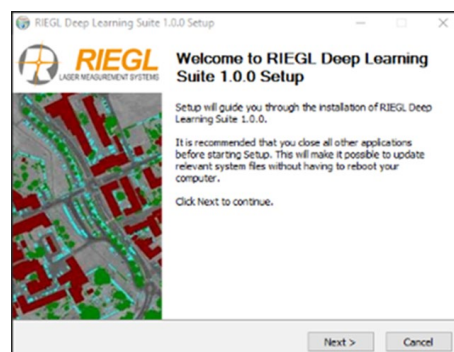
- **Floating License Package (SIL)**
Part-No. SW-TLS-12-001-00



RIEGL Deep Learning Suite **Image Content Anonymization**

- **Instrument Serial Number License (SNL)**
Part-No. SW-GP-07-009-00

- **Floating License Package (SIL)**
Part-No. SW-GP-07-010-00



RiSOLVE Static LiDAR Data Processing for Rapid Response

➤ **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-07-004-00

➤ **Floating License Package (SIL)**
Part-No. SW-TLS-07-005-00

[Click or scan for the specifications!](#)



Extended Maintenance for RiSOLVE
Static LiDAR Data Processing for Rapid
Response

➤ **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-12-004-00

➤ **Floating License Package (SIL)**
Part-No. SW-TLS-12-005-00



RiMINING Static LiDAR Data Processing for Mining



Instrument Serial Number License (SNL)

Part-No. SW-TLS-07-002-00



Floating License Package (SIL)

Part-No. SW-TLS-07-003-00

[Click or scan for the specifications!](#)



Extended Maintenance for RiMINING Static LiDAR Data Processing for Mining



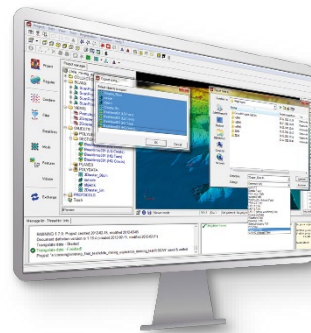
Instrument Serial Number License (SNL)

Part-No. SW-TLS-12-002-00



Floating License Package (SIL)

Part-No. SW-TLS-12-003-00



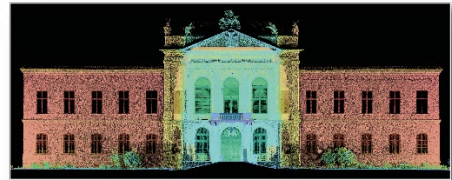
Post-Processing Software | Plug-Ins

RiPANO Publishing

- **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-07-006-00

- **Floating License Package (SIL)**
Part-No. SW-TLS-07-007-00

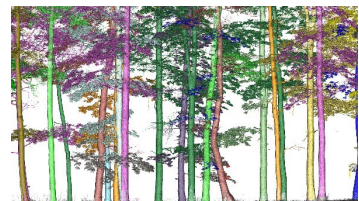
[Click or scan for the specifications!](#)



LIS TreeAnalyzer Plug-In

- **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-07-015-00

- **Floating License Package (SIL)**
Part-No. SW-TLS-07-014-00

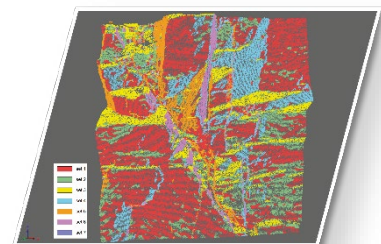


LIS GeoTec Plug-In

- **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-07-008-00

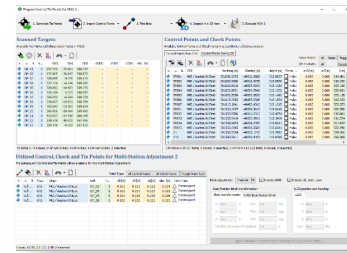
- **Floating License Package (SIL)**
Part-No. SW-TLS-07-009-00

[Click or scan for the specifications!](#)



Static Multi Station Adjustment License

- **Instrument Serial Number License (SNL)**
Part-No. SW-TLS-07-010-00
- **Floating License Package (SIL)**
Part-No. SW-TLS-07-011-00

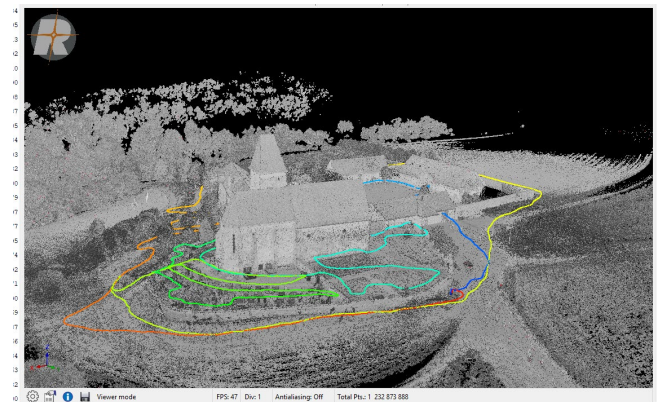


RiSCAN PRO Kinematic Data Processing

- **Instrument Serial Number License (SNL)**
Part No. SW-TLS-07-012-00
- **Floating License Package (SIL)**
Part No. SW-TLS-07-013-00

RiUNITE – RiWORLD functionality, LIGHT

- **Instrument Serial Number License (SNL)**
Part-No. SW-GP-02-158-00
- **Floating License Package (SIL)**
Part-No. SW-GP-02-157-00



Extended Maintenance for RiUNITE – RiWORLD functionality, LIGHT

- **Instrument Serial Number License (SNL)**
Part-No. SW-GP-12-151-00
- **Floating License Package (SIL)**
Part-No. SW-GP-12-150-00

RIEGL Post-Processing | Apps

***RIEGL* Monitoring Apps for VZ-i Series (Monitor +, Monitoring, DesignCompare, SlopeAngle)**



Part No. SW-GP-02-102-00

Three easy-to-use to innovative apps, which support users in their daily work, especially in critical situations. Visualization of the results via GUI or web viewer for detailed analysis.

- **Monitor + App:** Monitoring of surface and targets/prisms in one. A flexible solution for permanent, periodic, and sporadic data acquisition.
- **Monitoring App:** Data comparison and visualization of differences to a reference data set.
- **Design Compare App:** Data comparison to a given 3D design model. Visualization of undercut and overcut.
- **Slope Angle App:** Calculation and visualization of local slope angles.

[Click or scan for the specifications!](#)

