Leica Rugby CLA/CLH & CLI

The first upgradable lasers

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Leica Geosystems

Leica Rugby CLA

The maximum flexibility and the ability to quickly adjust to the job's needs is vital for your projects. With the Leica Rugby CLA you can get your laser upgraded to match your application needs. You pay for the functionality you need to do your job without paying for the extra features that you don't use. With additional professional services such as repair and calibration, you can secure your laser's exceptional performance for many years.

CLA BASE MODEL

HORIZONTAL ONE-BUTTON LASER

- Concrete and formwork levelling
- Height checking & transferring metre marks
- Land levelling

CLX 250

HORIZONTAL

- Manual slopes: driveways, ramps
- Matching unknown slope (Slope catchi

Covers all application needs

CLX 500

HORIZONTAL, VERTICAL & MANUAL SLOPE

- Batterboard
- Formwork alignment
- Drywalls and suspended ceilings

& SLOPE LASER

ng and monitoring)

Leica Rugby CLA

CLX600

HORIZONTAL, VERTICAL & FULLY-AUTOMATIC SINGLE GRADE WITH DIAL-IN

- Fully-automatic dial-in slopes in X axis: driveways, ramps

CLX 800

**HORIZONTAL, VERTICAL & FULLY
DIAL-IN AND MACH**

- Land levelling
- Slopes over large distances
- Covers all applications

Simplifies your tasks on the site

CLX 700

HORIZONTAL, VERTICAL & FULLY-AUTOMATIC DUAL GRADE WITH DIAL-IN

- Fully-automatic dial-in slopes in X and Y axes: driveways, ramps, roads, parking lots

Y-AUTOMATIC DUAL GRADE WITH INE COMPATIBILITY

Leica Rugby CLH - Simplicity at its best

Leica Rugby CLH simplicity allows effortless use of the capabilities of the laser system. It saves time by simplifying applications and making you more productive. Its robust design secures measurement stability and accuracy for your daily tasks. The handle is fixed to the base with special sockets that feature high rigidity and provide a strong mount to the base.

CLH BASE MODEL

HORIZONTAL ONE-BUTTON LASER

- Concrete and formwork levelling
- Height checking & transferring metre marks
- Land levelling

CLX 200

HORIZONTAL & SLOPE

- Manual slopes: driveways, ramp
- Matching unknown slope (Slope catching and monitoring

CLX 300

HORIZONTAL & SINGLE GRADE WITH DIAL-IN

- Dial-in slopes in X axis: driveways, ramps

CLX 400

GRADE WITH DIAL-IN

- Dial-in slopes in X and Y axes: driveways, ramps

Leica Rugby CLI - Designed for durability

The Rugby CLI laser with an invisible beam serves a technology specifically for Rail-, land levelling,excavation and daily construction application. All jobs where invisible beam is required, the new Rugby CLI laser fulfills it with many more professional features such as multiple laser operation max 5 laser with one combo, 20 RPS.

CLI BASE MODEL

HORIZONTAL ONE-BUTTON LASER

- Concrete and formwork levelling
- Land levelling
- Height checking

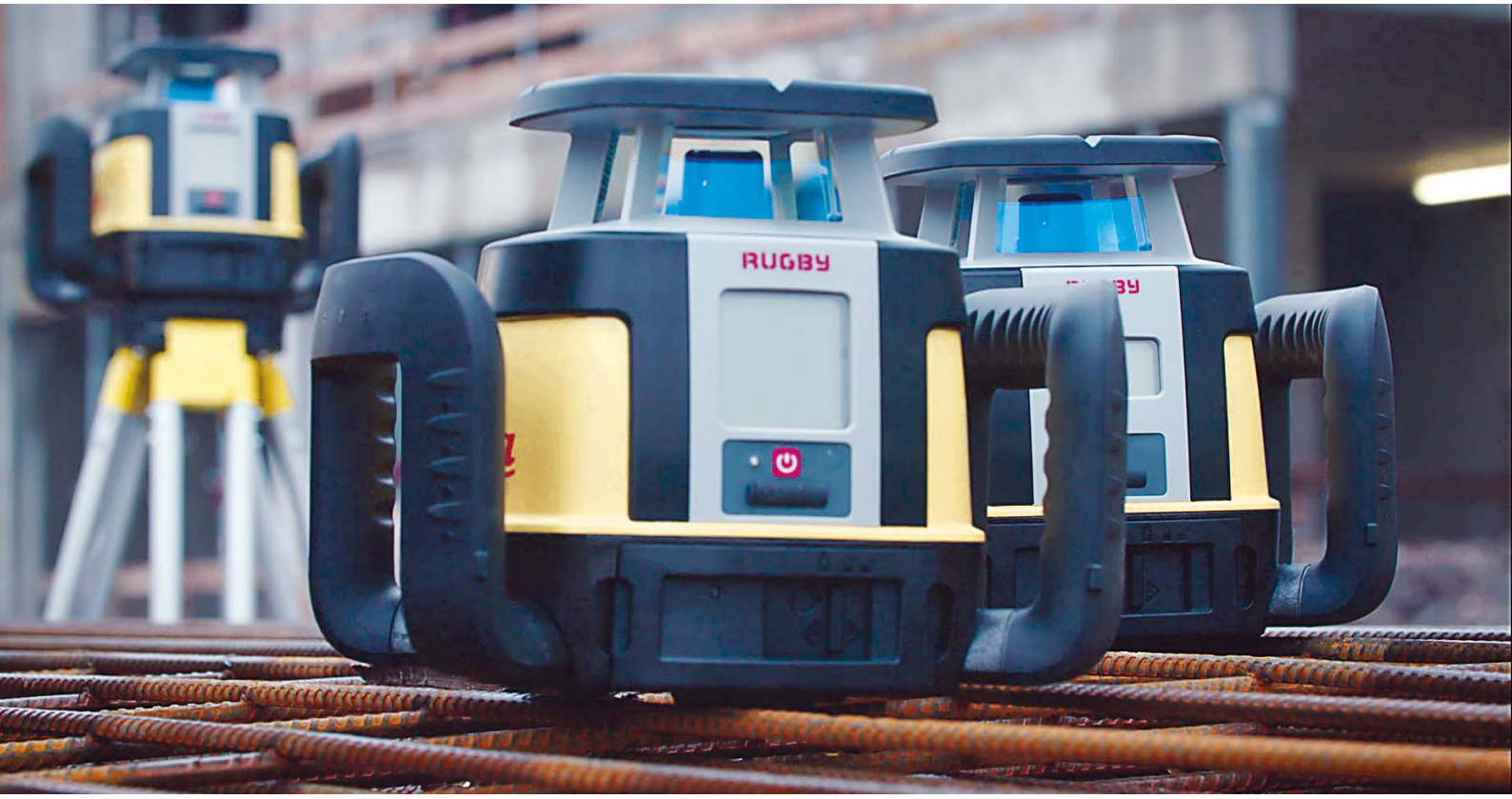
CLX 900

HORIZONTAL, INVISIBLE & FULL AUTOMATIC DUAL GRADE WITH DIAL-IN AND MACHINE COMPATIBILITY

HORIZONTAL, INVISIBLE & FULL AUTOMATIC DUAL GRADE WITH DIAL-IN AND MACHINE COMPATIBILITY

- Land levelling
- Slopes over large distances
- Rail applications

Leica Rugby CLA, CLH & CLI Portfolio



Rugby CLA

Rugby CLH

Rugby CLI

Combo

Smart adapter

Bracket

Tripod CT160

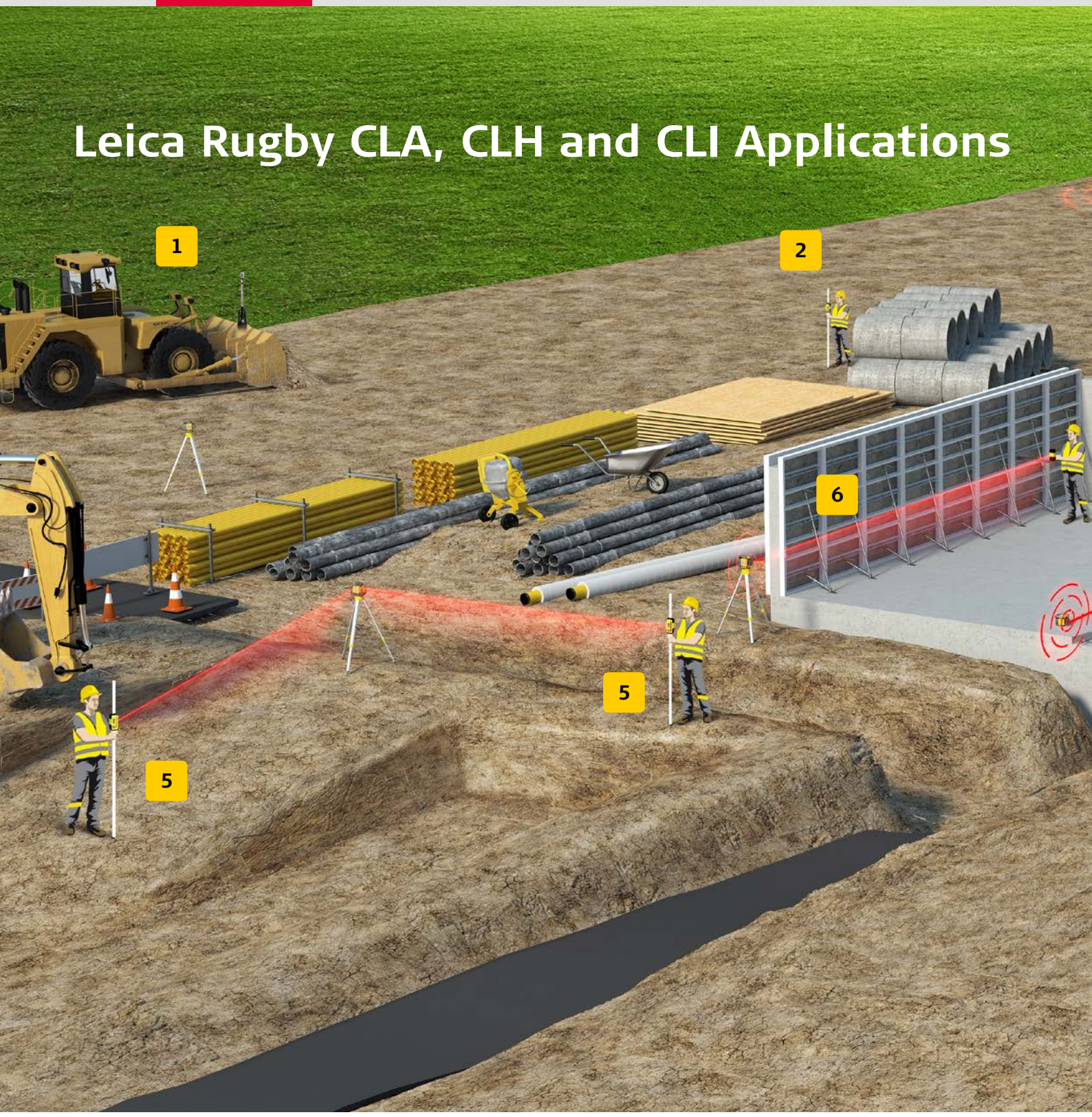
LEICA RUGBY	CLH	CLA	CLI
Warranty	5Y/2Y knockdown	5Y/2Y knockdown	5Y / 2Y knockdown
Grade capability* (X/Y Axes)	8%	15%	15%
Self-levelling accuracy**	± 1.5 mm at 30 m (± 1/16" at 100 ft)	± 1.5 mm at 30 m (± 1/16" at 100 ft)	± 1.5 mm at 30 m (± 1/16" at 100 ft)
Self-levelling range	± 6°	± 6°	± 6°
Operating range with Combo, RE 140/160	1350 m diameter	1350 m diameter	1350 m diameter
Remote range	600 m diameter	600 m diameter	600 m diameter
Laser class	1	2	1
Environmental standard	IP68/MIL-STD-810G	IP68/MIL-STD-810G	IP68/MIL-STD-810G
Operating temperature	-20 °C to +50 °C -4 °F to +122°F	-20 °C to +50 °C -4 °F to +122 °F	-20 °C to +50 °C -4 °F to +122 °F
Storage temperature	-40 °C to +70 °C -40 °F to +158 °F	-40 °C to +70 °C -40 °F to +158 °F	-40 °C to +70 °C -40 °F to +158 °F
Rotation speed	10, 15, 20 RPS	0, 2, 5, 10, 15, 20 RPS	10, 15, 20 RPS
Batteries (Li-Ion)	Li-Ion	Li-Ion	Li-Ion
Battery operating time**	50 h	50 h	50 h
Battery charging	5 h (full charge) 1 h fast charge = 8 h operating	5 h (full charge) 1 h fast charge = 8 h operating	5 h (full charge) 1 h fast charge = 8 h operating
Dimensions (H × W × D)	230 mm / 9,1 in 296 mm / 11,7 in 212 mm / 8,3 in	230 mm / 9,1 in 296 mm / 11,7 in 212 mm / 8,3 in	230 mm / 9,1 in 296 mm / 11,7 in 212 mm / 8,3 in
Weight with batteries	3.8 Kg / 8,3 lbs	3.9 Kg / 8,5 lbs	3.9 Kg / 8,5 lbs

* Up to 45° with adapter. ** Accuracy defined at 25°C (77°F) battery life depending upon environmental conditions. All specifications are depending on activated functionality.

LEICA COMBO (RECEIVER/REMOTE)	
Warranty	3Y
Anti-Strobe	✔
Working range - Receiver	1350 m / 4430 ft (diameter)
Working range - Remote	600 m / 1969 ft (diameter)
Detection window	120 mm /4.7 in
Digital read out	✔
Offset	✔
Variable detection window length	✔
Audio volumes	4 (including mute)
Detection bandwidth	0.5, 1, 2, 5 mm
Environmental standard	IP67
Batteries (li-ion) / Battery operating time**	Li-Ion 3.7V / 50 h
Battery charging	5 h (full charge) 1 h (fast charge - 8 h operating)
Rechargeable battery / charging option with power bank (USB-C)	✔
Operating temperature	-20°C to +50°C, -4°F to +122°F
Dimensions (H × W × D)	205 mm/8.1 in, 86 mm/3.4 in, 32 mm/1.2 in
Weight with batteries	0.4 Kg / 0.9 lbs

** Defined at 25°C (77°F) battery life depending upon environmental conditions. All specifications are depending on activated functionality.

Leica Rugby CLA, CLH and CLI Applications



1 Site preparation
Automated machine control systems for slope and flat work.

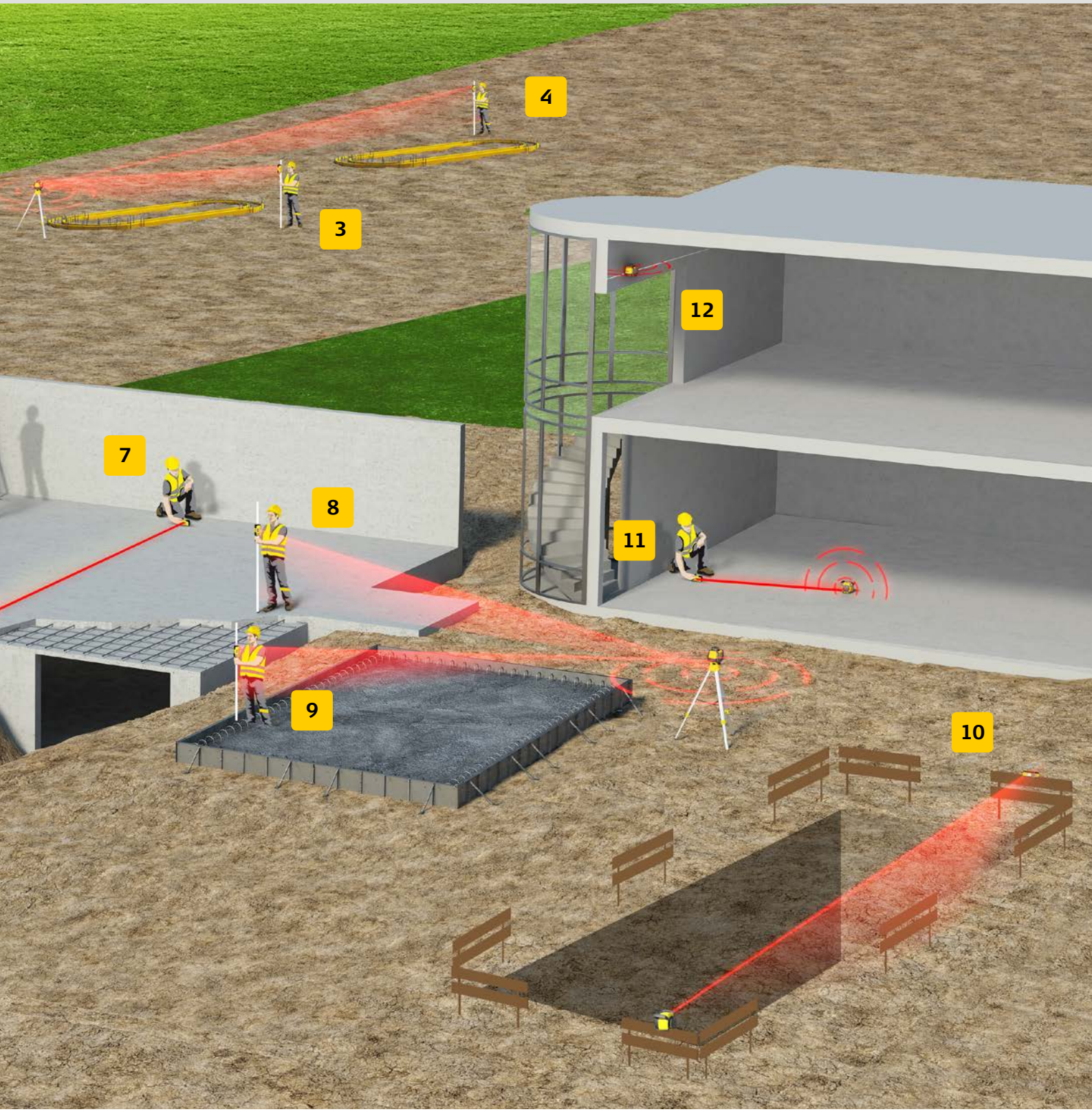
2 Grade checking
Check grades easily and reliably.

3 Parking areas
Single and dual slopes ensure proper drainage from parking areas.

4 Parking islands
Set the forms for parking areas to match site requirements.

5 Slopes for ramps and driveways
Dial-in or catch slope in single or dual axis.

6 Formwork verticality
Vertical alignment of forms using slope match function.



7 Set out walls
Align two points and mark position of wall using slope catch function.

8 Concrete levelling
Check concrete level during the pour.

9 Formwork levelling
Set and level concrete forms.

10 Batter board
Align building axes using slope catch function.

11 Set out drywalls
Align two points and mark position of drywall using slope catch function.

12 Level ceiling
Check and level suspended ceiling.

Leica Geosystems – when it has to be right

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems is the industry leader in measurement and information technologies. We create complete solutions for professionals across the planet. Known for innovative product and solution development, professionals in a diverse mix of industries, such as surveying and engineering, building and heavy construction, safety and security, and power and plant trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

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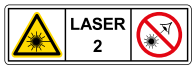

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