



# Laser Rotators

## Ready for the most challenging sites

Construction sites can differ drastically, from modest jobs to compound designs. Construction professionals need tools with extensive range and capabilities to finish the job correctly and economically. The powerful Geomax laser rotators portfolio offers the right construction tools for all trades and applications.

Solid-built and dependable in any element, GeoMax laser rotators provide you with long-lasting operation from multiple charging options, the flexibility of a full range of interchangeable accessories to accommodate your unique work preference, and all at the best price-to-performance ratio.

# DURING ALL SEASONS

Covering every need

## LASER RECEIVERS

The GeoMax Zone Laser Rotators come with four laser receivers that complement and boost your performance. The ZRD105B even catches the beam automatically for you.



ZRB90

Basic receiver



ZRP105

Pro receiver



ZRD105

Digital receiver



ZRD105B

Digital receiver  
with beam catching

ERROR-FREE  
RESULTS

3 / 5 YEARS  
WARRANTY

INTERCHANGEABLE  
ACCESSORIES

LONG-LASTING  
OPERATION



### ZONE20 H

Economic and firm entry-level rotating laser. With a solid-built housing and a straightforward interface, this laser offers all functions needed for regular and flexible use.



### ZONE20 HV

This laser offers the Zone20 H basic specifications plus the capability of vertical levelling and additional performance features. Zone20 HV includes a long-range remote to adjust and align easily on any jobsite. The multi-purpose laser for any craftsman.



### ZONE40 H

The laser that offers absolute performance and dependability. Zone40 H is the best construction site laser for rough environments. Combining solid-built housing with a powerful dependable core, this laser is a long-term companion of choice for any heavy duty levelling task.



OUTSTANDING PRICE-TO-PERFORMANCE RATIO

DEPENDABLE IN ANY ELEMENT

IP68/7 PROTECTION

SOLID-BUILT DESIGN



#### ZONE60 HG

Adding easy-to-use, dial-in grade capability to the dependability of the Zone40 H core, this laser is more flexible in use and enables semi-automatic grade in levelling applications.



#### ZONE60 DG

The laser plane can be aligned automatically with the new ZRD105B receiver. Fully-automatic grade specifically designed for construction workers who need the dependability and accuracy of a fully professional grade laser on a daily basis. With a straightforward user interface on both the laser and the RF remote, the craftsman is always in full control.



#### ZONE80 DG

Capable of operating at a speed of 20 rotations per second (rps), the Zone80 DG is a perfect fit for machine guidance solutions. With a laser beam that is stable over large distances, it is especially suited for land levelling and agriculture applications. For optimal land use, Zone80 DG not only gives you a reference for horizontal planes but also for slopes up to 15%.

# APPLICATIONS ON SITE

Dependable in any element

Pick the perfect laser for your levelling, aligning or grading application from one of the best rotating laser portfolios in the market.



## CONCRETE POURING AND FORMWORK

Whether you need an exact reference to pour concrete or an accurate alignment of the formwork, GeoMax laser rotators will accomplish the task, saving you money and time.



## INTERIOR CONSTRUCTION

Our multi-purpose laser rotators offer you the flexibility of operating vertically and horizontally, interchangeable accessories to maximise efficiency, IP67 protection, and fully enclosed head to support the toughest working conditions.





### **BATTERBOARD APPLICATIONS**

Connect batterboard points to mark out the axis by one key press thanks to the Beam Catch feature of the ZRD105B. The Beam Lock function will maintain an accurate setup by monitoring the connection.



### **ROAD GRADING**

Grade the base course for a road, level its slope, and correct and remove irregularities with the help of GeoMax rotating lasers. They guarantee you repeatable and accurate results in long distances even in the toughest working conditions.



### **MACHINE GUIDANCE**

Maximise working efficiency and reduce costs. GeoMax rotating lasers are designed to support long working hours and to provide temperature stability for error free results.

# TECHNICAL DATA

Extensive range and capabilities



FUNCTIONALITY	ZONE20 H	ZONE20 HV
	Self-levelling horizontal manual slope in dual axis	Self-levelling horizontal, vertical, 90° manual slope in dual axis
Operating range (diameter)	900 m / 3000 ft	900 m / 3000 ft
Self-levelling accuracy	± 2.2 mm at 30 m (± 3/32" at 100 ft)	± 2.2 mm at 30 m (± 3/32" at 100 ft)
Self-levelling range	± 6°	± 5°
Grade range	-	-
Rotation speed	600 rpm	120, 300, 600 rpm
Scanning modes	-	10° - 35°
Laser diode type / class	635 nm (visible) / class 1	635 nm (visible) / class 2
Batteries type	4 D-cell alkaline / Li-Ion	4 D-cell alkaline / Li-Ion
Battery life	> 40 h	> 40 h
Operating temperature	-10°C to 50°C	-10°C to 50°C
Storage temperature	-30°C to 70°C	-30°C to 70°C
Protection	IP67	IP67



	ZRB90 Basic	ZRP105 Pro	ZRD105 Digital	ZRD105B
Working diameter	300 m (1000 ft)	300 m (1000 ft)	900 m (3000 ft)	900 m (3000 ft)
Extended detection window	80 mm / 3.1 in	105 mm / 4 in	105 mm / 4 in	105 mm / 4 in
Numeric readout height	-	-	90 mm / 3.5 in	90 mm / 3.5 in
Beam catching	-	-	-	✓
Beam lock	-	-	-	✓



ZONE40 H	ZONE60 HG	ZONE60 DG	ZONE80 DG
Self-levelling horizontal manual slope in dual axis	Self-levelling horizontal digital slope in dual axis (semi-automatic)	Self-levelling horizontal, vertical, digital slope in dual axis (full-automatic). Beam catching option	Self-levelling horizontal digital slope in dual axis (full-automatic). Beam catching option
900 m / 3000 ft	900 m / 3000 ft	900 m / 3000 ft	1100 m / 3000 ft
± 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)	± 1.5 mm at 30 m (±1/16" at 100 ft)
± 5°	± 5°	± 5°	± 5°
-	8 %	Up to 15 %	Up to 15 %
600 rpm	600 rpm	300, 600 rpm	300, 600, 1200 rpm
-	-	-	-
635 nm (visible) / class 1	635 nm (visible) / class 1	635 nm (visible) / class 1	635 nm (visible) / class 1
4 D-cell alkaline / Li-Ion	4 D-cell alkaline / Li-Ion	4 D-cell alkaline / Li-Ion	Li-Ion
> 40 h	> 40 h	> 40 h	> 50 h
-10°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C
-30°C to 70°C	-30°C to 70°C	-30°C to 70°C	-40°C to 70°C
IP67	IP67	IP67	IP67



Total Care  
**SHIELD**



### EXPERTISE AT YOUR SERVICE

We care for your work and want your GeoMax laser tools to stay operational for as long as you work. To ensure this, we support you with our highly skilled service centres around the world offering the following services for the lifetime of your product:

- Repair and maintenance of lasers and accessories
- Re-calibration
- Cleaning and general servicing of all product parts
- Functional testing and product safety

### 5 YEAR WARRANTY FOR PREMIUM MODELS

The premium GeoMax Zone series laser rotators come with a cover-all warranty for 5 years, protecting the laser from all defects that could occur during regular use and keeping you fully operational at all times and limiting downtime to the minimum.

Free of service charges during the warranty period:

- Repair (parts and labour) or exchange of your laser
- Full functional and safety check
- Re-calibration after repair

Our value line laser rotators (Zone20 H, Zone20 HV as well as Zone60 HG) will remain with the strong three year warranty, with the option to extend another two years.

The warranty does not cover damage caused by abuse or mishandling.

# ZONE SERIES

## Accessories

A full range of interchangeable accessories that will accommodate your unique work preference. Check for available packages and combinations.



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