



# Laser Rotators

Ready for the most challenging sites

# DURING ALL SEASONS

Covering every need

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 lasers 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.

ERROR-FREE  
RESULTS

3 YEARS  
WARRANTY

LONG-LASTING  
OPERATION



ZRB35  
Basic receiver



ZRP105  
Pro receiver



ZRD105  
Digital receiver



ZRD105B  
Digital receiver  
with beam catching

## LASER RECEIVERS

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



### ZEL400 H / HV

Ideal for interior finishing. Compact and solid housing. Fully-featured entry-level performance. NiMH rechargeable battery.



### 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 in any jobsite. The multi-purpose laser for any



### 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

IP67  
PROTECTION

INTERCHANGEABLE  
ACCESSORIES

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



#### **ZONE70 DG**

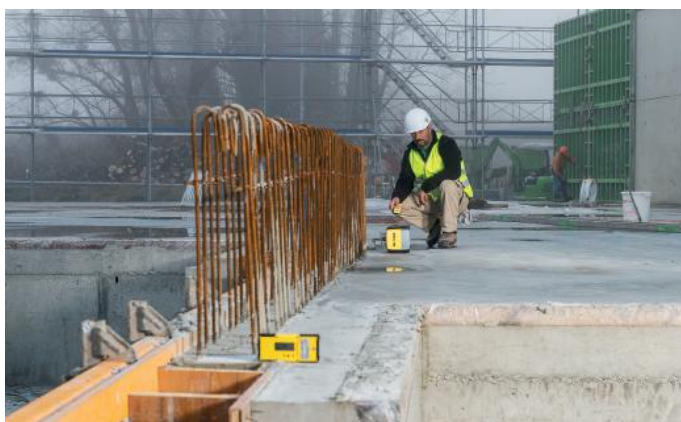
Built with a rock-solid core, this high-end rotating laser offers unbeatable performance and is key for long distance applications where high precision and dependability in all kinds of environmental conditions are needed.



# APPLICATIONS ON SITE

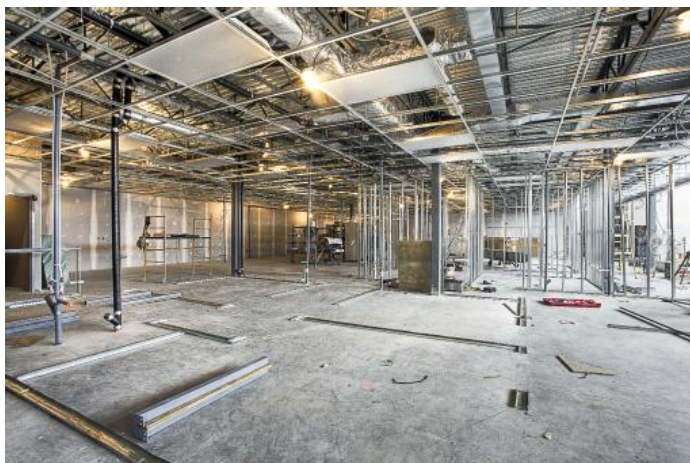
Dependable in any element

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 rotating lasers will accomplish the task, saving you money and time.



## INTERIOR CONSTRUCTION

Our multi-purpose rotating laser offers 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.



### **GRADING ROAD**

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.



### **FIELD DESIGN**

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



# TECHNICAL DATA

Extensive range and capabilities



	ZEL400 H	ZEL400 HV	ZONE20 H
Functionality	Self-levelling horizontal manual slope in dual axis	Self-levelling horizontal, vertical, 90° manual slope in dual axis	Self-levelling horizontal manual slope in dual axis
Head protection	Open cage		Fully enclosed
Operating range (diameter)	600m / 2000 ft		900 m / 3000 ft
Self-levelling accuracy	± 2.5 mm at 30 m (± 3/32" at 100 ft)		± 2.2 mm at 30 m (± 3/32" at 100 ft)
Self-levelling range	± 6°		
Grade range	-	-	-
Rotation speed	0 - 600 rpm		600 rpm
Scanning modes	-	10° - 35°	-
Laser diode type / class	635 nm (visible) / class 3R		635 nm (visible) / class 1
Batteries type	2 D-cell alkaline / NiMH		4 D-cell alkaline / Li-Ion
Battery life	> 60 h		> 40 h
Operating temperature	-10°C to 50°C		
Storage temperature	-20°C to 70°C		-30°C to 70°C
Protection	IP54		IP67



	ZRB35 Basic	ZRP105 Pro	ZRD105 Digital	ZRD105B
Working diameter	900 m (3000 ft)			
Extended detection window	35 mm / 1.5 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	-	-	-	✓
<b>Detection accuracies</b>				
Ultra fine	-	-	± 0.5 mm / ± 0.02 in	± 0.5 mm / ± 0.02 in
Super fine	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in	± 1.0 mm / ± 0.04 in
Fine	-	± 2.0 mm / ± 0.08 in	± 2.0 mm / ± 0.08 in	± 2.0 mm / ± 0.08 in
Medium	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in	± 3.0 mm / ± 0.12 in



#### ZONE20 HV

Self-levelling  
horizontal, vertical,  
90° manual  
slope in dual axis

#### ZONE40 H

Self-levelling  
horizontal manual  
slope in dual axis

#### ZONE60 HG

Self-levelling  
horizontal digital  
slope in dual axis  
(semi-automatic)

#### ZONE60 DG

Self-levelling  
horizontal, vertical,  
digital slope in dual  
axis (full-automatic).  
Beam catching  
option

#### ZONE70 DG

Self-levelling  
horizontal digital  
slope in dual axis  
(full-automatic)

Fully enclosed / Beam catching option

900 m / 3000 ft

± 2.2 mm at 30 m  
(±3/32" 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)

± 1.5 mm at 30 m  
(±1/16" at 100 ft)

± 5°

-

-

8 %

Up to 15 %

Up to 25 %

120, 300, 600 rpm

600 rpm

600 rpm

300, 600 rpm

300, 600, 900, 1200  
rpm

10° - 35°

-

-

-

-

635 nm (visible) /  
class 2

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

4 D-cell alkaline /  
Li-Ion

4-8 D-cell alkaline /  
NiMH

> 40 h

-10°C to 50°C

-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

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

#### 3 YEARS WARRANTY

The new GeoMax Zone series laser rotators come with a cover-all warranty for 3 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 charge services during the warranty period:

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

The regular warranty period can be extended by 2 additional years for a fee. 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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At GeoMax, we provide a comprehensive portfolio of integrated solutions by developing, manufacturing and distributing quality construction and surveying instruments and software.

Our products are known for robustness, ease of use and outstanding price-to-performance ratio. From our base in Europe, our technology is supported by a broad sales and service network covering all continents.



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