

# Laser Rotators

Ready for the most challenging sites



# FROM START TO FINISH 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 new and powerful GeoMax laser rotators portfolio offers the right construction tools for all trades and applications.

Solid-built and dependable in any element, the GeoMax lasers provide you 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

## LASER RECEIVERS

The new GeoMax Zone Series come with three brand-new laser receivers that will complement and boost your performance.



### 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 laser rotator. 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. Zone20 HV includes a long-range remote to adjust and align easily in any jobsite. The multipurpose laser for any craftsman.



### ZONE40 H

Are you looking for performance and absolute 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**

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.



**ZONE70 DG**

Built with a rock-solid core, this high-end rotation 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 laser rotator portfolios in the market.



### CONCRETE POURING AND FORM WORK

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



### INTERIOR CONSTRUCTION

Our multipurpose 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.





### **GRADING ROAD**

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



### **FIELD DESIGN**

Maximise working efficiency and reduce costs, the GeoMax laser rotators are designed to support long working hours and to provide temperature stability for error free-results.

# 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
Working diameter		900 m (3000 ft)	
Extended detection window	35 mm / 1.5 in	105 mm / 4 in	105 mm / 4 in
Numeric readout height	-	-	90 mm / 3.5 in
<b>Detection accuracies</b>			
Ultra fine	-	-	± 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
Fine	-	± 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
Coarse	-	-	± 5.0 mm / ± 0.20 in



ZONE20 HV	ZONE40 H	ZONE60 HG	ZONE60 DG	ZONE70 DG
Self-levelling horizontal, vertical, 90° manual slope in dual axis	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)	Self-levelling horizontal digital slope in dual axis (full-automatic)
		Fully enclosed 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)
-	-	± 6°		
		8 %	Up to 15 %	Up to 25 %
120, 300, 600 rpm 10° - 35°	600 rpm	600 rpm	300, 600 rpm	300, 600, 900, 1200 rpm
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	IP67	IP67	IP67	IP68



## Total Care **SHIELD**

### EXPERTISE AT YOUR SERVICE

We care for your work and want that your GeoMax laser tools 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 life time 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 and more than 100 branches.

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