Works when you do

Rotating Lasers

Ready for the most challenging sites



GeoMax rotating lasers are built to meet the most demanding needs of any job.

Construction sites differ drastically, from modest jobs to complex designs and professionals need tools with extensive range and capabilities to do the job accurately and economically. GeoMax delivers proven, state-of-the-art technology that comes from the knowledge and experience of our parent company, Hexagon. Our rotating lasers offer long-lasting operation, multiple charging options, a full range of interchangeable accessories and more, all for the best price-to-performance ratio.

Scan to find the entire
Rotating laser product line on our website

geomax-positioning.com

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Zone20 H

Built simple, rugged and affordable





ZONE20 H

Zone20 H is an economic and rugged 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 H is a horizontal laser that allows grade setting manually in two axes. It is easy to use and highly reliable in any element.

Scan to find out more on the
Zone20 H product page

Zone20 HV

Multipurpose laser for indoor and outdoor use





ZONE20 HV

The multipurpose Zone20 HV offers the Zone20 H basic specifications, plus the capability of vertical leveling and aligning. It includes a long-range remote to adjust and align easily on any job site. To support the toughest working conditions, the rotating head is fully enclosed and the laser complies with IP67 class, making it the perfect multipurpose laser for any professional.

Scan to find out more on the
Zone20 HV product page

Zone40 T

One-button laser for outdoor leveling





ZONE40 T

The Zone40 T is a simple, straight forward horizontal rotation laser with one button. One touch to turn it on and start working. It offers the same high accuracy as the Zone60 models to support basic applications where high accuracy is required. It is the perfect laser when you need the job done fast, accurately and professionally.

Scan to find out more on the
Zone40 T product page

Zone60 HG

Made for high accuracy leveling





ZONE60 HG

Featuring easy-to-use, dial-in grade capabilities this laser is more flexible in use and enables semi-automatic grade in leveling applications. The Zone60 HG allows a grade up to 8% slope in both axes with high accuracy. This rugged laser is an ideal solution for exterior applications like concrete and form work.

Scan to find out more on the
Zone60 HG product page

Zone60 DG

Fully automatic and fully dependable





ZONE60 DG

The Zone60 DG is a fully-automatic grade laser in both axes, specifically designed for crews that require dependability and accuracy on a daily basis. Digital grades can be entered up to 15% slope making it suitable for almost any construction site.

Save even more time by using this laser with the ZRD105B laser receiver, which automatically catches and monitors the laser's beam.

Scan to find out more on the
Zone60 DG product page

Zone75 DG

Stabilized to perform on longer distances





ZONE75 DG

Capable of operating at a speed of 15 rps (rotations per second), the Zone75 DG is a perfect fit for most machine guidance solutions. It produces a laser beam that is stable over long distances making it well suited for land levelling. For optimal land use, the Zone75 DG not only gives you a reference for horizontal planes, but also for slopes up to 15%.

Scan to find out more on the
Zone75 DG product page

Technical Data

Extensive range and capabilities







	Zone20 H	Zone20 HV	Zone40 T
Description	Self-leveling horizontal manual slope in dual axes	Self-leveling horizontal, vertical, 90° manual slope in dual axes	Self-leveling, horizontal one-button laser
Operating Range	900 m / 3000 ft (diameter)	900 m / 3000 ft	900 m / 3000 ft
Accuracy	± 2.2 mm at 30 m (± 3/32" at 100 ft)	± 2.2 mm at 30 m (± 3/32" at 100 ft)	± 1.5 mm at 30 m (±1/16" at 100 ft)
Self-leveling range	± 6°	± 5°	± 5°
Grade range	-	-	-
Rotation Speed	600 rpm	120, 300, 600 rpm	600 rpm
Laser diode type/class	635 nm (visible) / class 1	635 nm (visible) / class 2	635 nm (visible) / class 1
Batteries type	4 D-cell alkaline / Li-Ion	4 D-cell alkaline / Li-Ion	4 D-cell alkaline / Li-Ion
Battery life	> 60h (alk) / > 40h (Li-Ion)	> 60h (alk) / > 40h (Li-Ion)	> 60h (alk) / > 40h (Li-Ion)
Operating Temps.	-10°C to 50°C 14°F to 122°F	-10°C to 50°C 14°F to 122°F	-10°C to 50°C 14°F to 122°F
Storage Temp.	-30°C to 70°C -22°F to 158°F	-30°C to 70°C -22°F to 158°F	-30°C to 70°C -22°F to 158°F
Protection	IP67	IP67	IP67





	ZRB90 Basic	ZRP105 Pro
Working diameter	600 m (6000 ft)	900 m (3000 ft)
Extended detection window	80 mm / 3.1 in	105 mm / 4 in
Numeric readout height	-	-
Beam catching	-	-
Beam lock	-	-







	Zone60 HG	Zone60 DG	Zone75 DG
Description	Self-leveling horizontal digital slope in dual axes (semi-automatic).	Self-leveling horizontal, vertical, digital slope in dual axes (fully automatic). Beam catching option.	Self-leveling horizontal, vertical, digital slope in dual axes (fully automatic). Beam catching option.
Operating Range	900 m / 3000 ft	900 m / 3000 ft	1100 m / 3600 ft
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-leveling range	± 5°	± 5°	± 5°
Grade range	± 8 %	15 %	15 %
Rotation Speed	600 rpm	300, 600 rpm	300, 600, 900 rpm
Laser diode type/class	635 nm (visible) / class 1	635 nm (visible) / class 1	635 nm (visible) / class 1
Batteries type	4 D-cell alkaline / Li-Ion	4 D-cell alkaline / Li-Ion	Li-Ion
Battery life	> 60h (alk) / > 40h (Li-Ion)	> 60h (alk) / > 40h (Li-Ion)	> 50h
Operating Temps.	-10°C to 50°C 14°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 Temp.	-30°C to 70°C -22°F to 158°F	-30°C to 70°C -22°F to 158°F	-30°C to 70°C -22°F to 158°F
Protection	IP67	IP67	IP67





	ZRD105 Digital	ZRD105B
Working diameter	900 m (3000 ft)	900 m (3000 ft)
Extended detection window	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	-	✓

Site Applications
Dependable in any element



CONCRETE POURING AND FORM WORK
Whether you need an exact reference to pour concrete or an accurate alignment of the framework, GeoMax laser rotators will accomplish the task, save you money and time.



BATTERBOARD APPLICATIONS
Connect batterboard points to mark out the axis with the push of a button, thanks to the beam catching feature of the ZRD105B, which maintains an accurate setup by monitoring the connection.



INTERIOR CONSTRUCTION
Our multi-purpose rotating lasers offer you the flexibility of operating vertically and horizontally, with optional interchangeable accessories to maximize efficiency, IP67 protection, and a fully enclosed head to support the toughest working conditions



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.

Experience the full lineup

Add more value with additional construction solutions

GeoMax offers more than just rotating lasers.

We deliver an entire portfolio of construction solutions, designed to meet your needs. Level-up your productivity by making our rotating lasers just a portion of your full GeoMax construction package.

Transform your next project plans into reality using GeoMax equipment for leveling, grading, layout, concrete work, as-built and more.

Save time and reduce costs with our full line of integrated construction solutions, from our user-friendly X-PAD software to our rugged pipe lasers, to our one-person total stations.

Take a closer look at any, or all, of the products in our full lineup and discover how they will make a difference on your next job, today.



GeoMax additional offerings

Providing more for your success



Rotating Laser accessories

GeoMax offers a full range of interchangeable accessories to accommodate your unique job requirements. Ask about available packages.

Hexagon - Guaranteed reliability

Hexagon is known for driving innovation and technological progress. As part of this group, GeoMax can guarantee its solutions work when you do.

Total Care SHIELD

Worldwide GeoMax technical & training services

The GeoMax global support team is located around the world - support is available 24 hours a day. With the Total Care Shield Warranty, GeoMax helps you keep your costs under control and reduce the downtime of your GeoMax instruments to a minimum.

GeoMax service centers are at your disposal worldwide.

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GEOMAX ACADEMY

GeoMax Academy offers regular technical online webinars. Watch them on demand: **https://geomax-positioning.com/services-and-support/webinars**

GEOMAX

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Distance meter (Prism Mode): Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1; **Laser plummet:** Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1, **Distance meter (Non-Prism Mode accXess):** Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1

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