

Leica Rugby 100 The tough land leveling laser

Perfect for
Agricultural
Use!



SITE PROOF
by Leica Geosystems

- when it has to be **right**

Leica
Geosystems

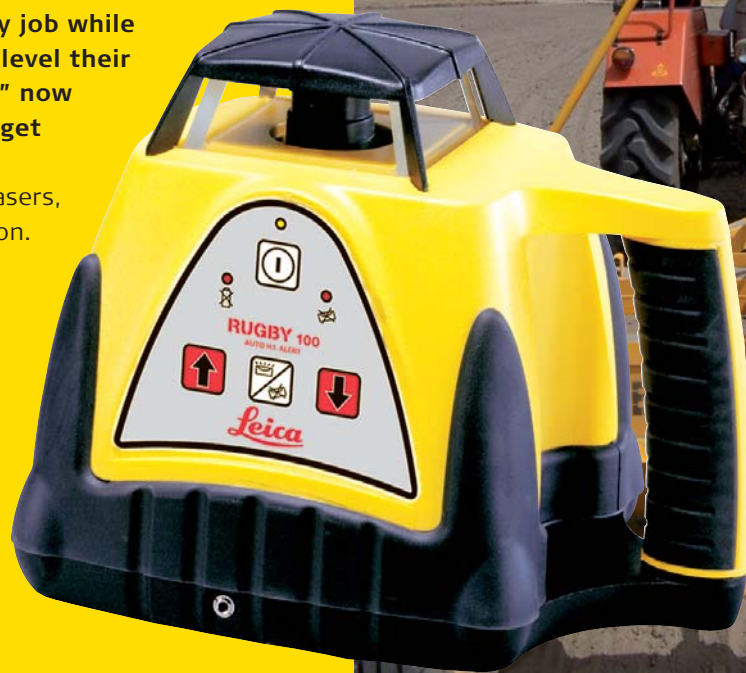
Leica Rugby 100

The tough land leveling laser

You already know the value of lasers for the farmers on the field. They make faster work of any job while eliminating costly errors and precisely level their fields. Once they were a "nice to have," now they are a competitive "must have" to get the job done right.

Now, the standard in general Agriculture lasers, the Rugby 100 outdistances the competition.

One look at this automatic self-leveling horizontal leveling tool and you know it's a different breed. The Rugby 100, used with a laser sensor fixed on the mast on the scraper unit, guarantees, your field is precisely leveled. A panel in the cabin supports you in controlling the level auf the machine as well as operating the hydraulic valves.



The Leica Rugby 100 – Ready to work when you are!

Leica Geosystems's warranty

Leica Geosystems's warranty offers complete coverage of the internal self-leveling system no matter what. Should any accident or knockdown occur, all repairs to the internal assembly will be done at no charge.

Why Rugby is the toughest player on the field:

The Rugby 100 is a high technology, high precision tool. Compare these features and you'll see why Rugby sets the new standard for durability and value.

- Water resistant: all critical components protected from wet weather conditions
- Housing made from co-molded rubber and high-impact plastic
- Aluminum base withstands rough handling ... highly resistant to abrasion and fracture
- Tough components have all undergone rigorous testing to assure long life under harsh conditions
- Enclosed head means no worries about contamination of critical interior parts
- Rugged, high-impact strength polymer carrying case included
- Optional rechargeable nickel metal hydride (NiMH) batteries available
- 24 month warranty



Control Panel MCP 700 Specifications

Voltage Range	12/24 V DC
System Accuracy	±2 mm (Standard Deviation)
Hydraulic O/P Settings	Directional / Proportional Valves
Water Resistant	IP65
Power On / Off Switch	
Switch for Automatic and Manual Control Mode Selection	
LED Display to show Up-Grade, On-Grade and Below-Grade position of the Laser receiver with respect to the Laser Beam	
Manually Up and Down Hydraulic switch	

Laser Sensor MLS 700 Specifications

Voltage Range	12/24 V DC
Current Consumption	<500 mA
Laser Requirement	All rotating Lasers (HeNe or IR)
LED Display to show Up-Grade, On-Grade and Below-Grade position of the Laser receiver with respect to the Laser Beam	
Water Resistant	IP68
Pulsed Display	5 Pulses per second
Accuracy Dead Band	5 User Selectable Accuracy Dead Bands

Leica Rugby 100 Specifications

Operating Range*	800 m Diameter
Self-leveling Accuracy**	±1.5 mm at 30 m (±1/16" at 100 ft)
Self-leveling Range	±5°
Rotating Speeds	5, 10 rps (300, 600 rpm)
Laser Diode (type)	635 nm (visible)
Manual Grade	up to 10 %
Dimensions (HWD)	197 x 248 x 175 mm (7.8 x 9.8 x 6.9")
Weight with Batteries	2.5 kg (5.5 lbs)
Battery Type	NiMH pack or Alkaline
Battery Life***	Alkaline: 60 hours NiMH: 35 hours
Operating Temperature	-20 to +50° C (-4° F to +122° F)
Storage Temperature	-40 to +70° C (-40° F to +158° F)
Dust / water (IEC60529)	IP56

* In average (agriculture) conditions & 300 m in poor (construction site) conditions
 ** Accuracy is defined at 25° C
 *** Battery life is dependent upon environmental conditions.

Features:

- High impact composite housing
- Fully sealed with enclosed head
- Watertight for all conditions
- Long battery life
- H.I. (Elevation) Alert protection
- Low battery indicator
- Optional alkaline or NiMH batteries

Advantages of laser land leveling over traditional land leveling:

- Precise level and smoother soil surface, easy land preparation
- Reduction in time and water required to irrigate the field
- Uniform distribution of water in the field, less water consumption
- Uniform moisture environment for crops, less weed problems
- Good germination and growth of crop, uniformity in crop maturity
- Reduce seed rate, fertilizer, chemicals, and fuel requirements
- Improve field traffic ability for the subsequent field operations

Benefits of precise land leveling:

- Saves irrigation water up to 35%
- Reduced weed in agriculture field
- Increase in farming area up to 3.5%
- Increase in productivity up to 50%
- Reduced farm operating time by 10%
- Assist top soil management
- Saves fuel/electricity used in irrigation
- Saves labor cost

The Leica Rugby 100 Package

A recommended package consists of the Leica Rugby 100, Carrying Case, Rod-Eye Receiver and either Alkaline or rechargeable NiMH Battery Pack.



Whether you have to precisely layout a construction site, perform control measurements, collect height and angle data, align concrete forms, install ceilings and partitions, lay gravity flow pipe, locate underground services or complete site preparation and earthworks – Leica Geosystems offers the right instrument, construction laser or machine control installation specifically designed for your construction application.

Easy-to-use, jobsite tough, accurate and reliable – Leica Geosystems instruments and lasers ensure the efficient use of your materials and resources. High quality products, such as optical and electronic levels, construction lasers, total stations and machine automation systems, provide fast results, keep you working and increase your profitability.

When it has to be right.

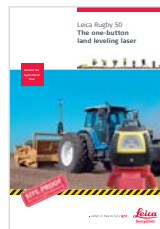
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Total Quality Management – our commitment to total customer satisfaction.

Ask your local Leica Geosystems dealer for more information about our TQM program.

Laser class 2 in accordance with IEC 60825-1 and EN 60825-1
Laser class II in accordance with FDA 21CFR CH.1 § 1040



Leica Rugby 50
The one-button land leveling laser



Leica Rugby 100LR
The long range land leveling laser



Leica Rugby 300 SG & 400 LG



Leica PowerBlade
Automated Grading System