

Leica Rugby 300 SG & 400 DG  
When accuracy is the goal,  
Rugby makes the grade



- when it has to be **right**

**Leica**  
Geosystems

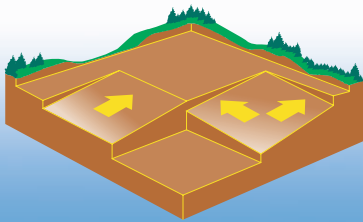
# Leica Rugby keeps you in the game

## Rugby 300 SG (Single Grade) Rugby 400 DG (Dual Grade)

**Making the grade is what the Rugby is all about. Whether your work requires level, single or dual grades, the Rugby's extensive features will ensure both material and labor savings, keeping you on target to increase your bottom line.**

The Rugby Grade Lasers are automatic and self-leveling for jobs of any size, large or small. They can be used for any application involving precise grade control such as:

- Building pads, parking lots and runways
- Precise depth control for sub base and fine grade excavation
- Installing septic and gravity flow pipe for drainage
- Agricultural applications such as land leveling or tiling
- Concrete forming and framework
- Retention ponds and batters
- Setting foundations and footings
- Machine control with the MC200 Depthmaster for excavators, MC1200 for motor graders, and control systems based on Leica CAB laser sensors for dozers, scrapers, box blades, and similar equipment



Level, single, or dual grade from -5 to +25%

## Why Rugby is the toughest player on the field

- Waterproof and dustproof to work reliably in all weather and job site conditions
- High impact composite housing with protective rubber overmolding
- Cast aluminum base withstands rough handling and creates a stable platform
- Enclosed head for maximum internal component protection

Two-way Remote Control  
optional with Rugby 400



## What makes the Rugby 300 SG and 400 DG so unique?

### ★ Superior Power Management

For up to 130 hours of operation

### ★ Real-time Grade Matching

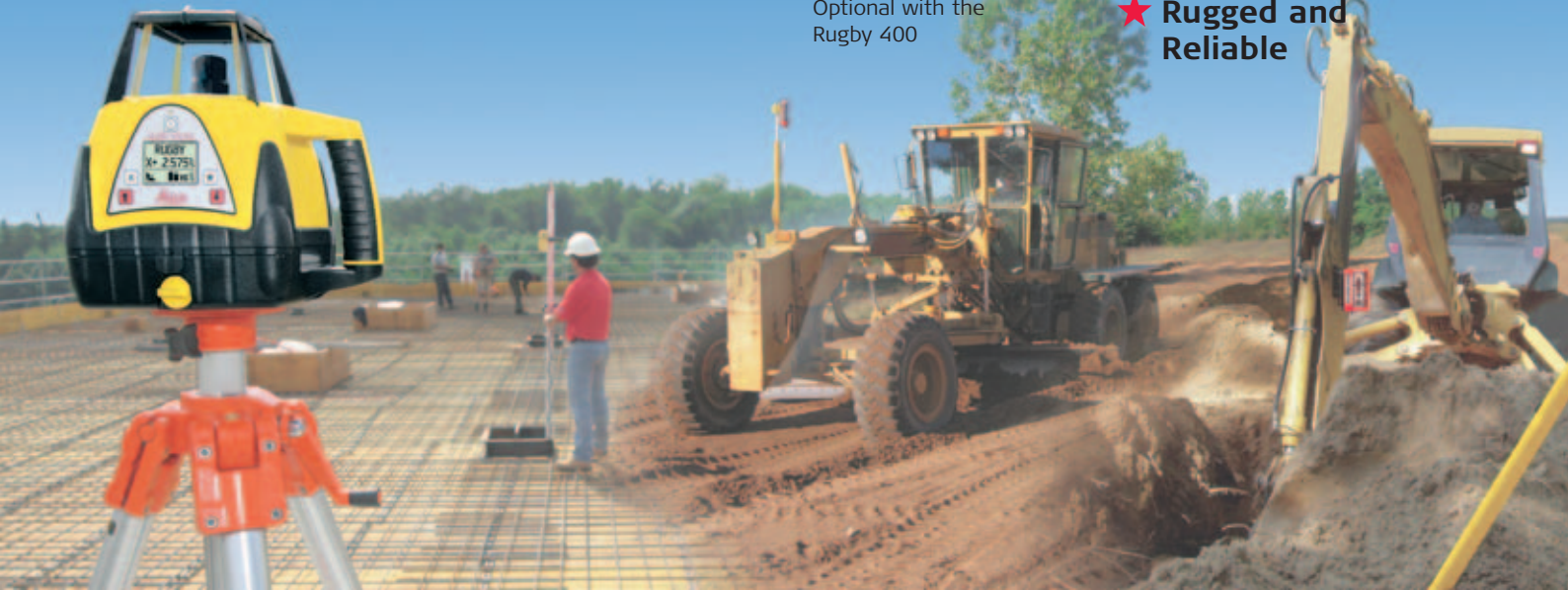
### ★ Simple, Easy to Use Keypad

With only 5 buttons

### ★ Two-way Remote Control

Optional with the Rugby 400

### ★ Rugged and Reliable



Optional  
Magnetic  
Scope



## User friendly features give you the competitive edge for precise grade control



**Feature Access Control**



**Direct grade entry** for ease of use.



**Elevation alert** monitors the height of the instrument (H.I.) to prevent elevation errors.



**Wind sensitivity settings** allow work to continue in adverse conditions.



**Beam masking** electronically shutters the beam from one to three quadrants for multiple laser usage.



**High speed variable rotation** from 5 to 20 RPS for smooth, precise machine operation.



**Power Management** battery status monitored continuously.



**Your personalized identification** can be displayed each time the laser powers up.



**Full function Two-way Remote Control**, optional with the Rugby 400DG.



**Power saving mode** on the remote puts laser in standby for 16 hours, then shuts off completely.



**Manual mode** for special applications.

Alkaline/NiMH  
Combination

Single  
or Dual  
Alkaline

Superior  
Power  
Management

Single  
or Dual  
NiMH

External Power  
(Runs & Recharges)

**When accuracy is the goal, Rugby makes the grade**



# Machine Control

The Rugby is engineered specifically for complete compatibility with Leica Geosystems' 2D and 3D Machine Control Solutions



MC1200



CAB Sensor



MC200 Depthmaster



# Specifications

Operating Range	2500 ft (750 m) diameter
Self-leveling Accuracy	± 1/16" per 100 ft (1.6 mm per 30 m)*
Self-leveling Range	± 5°
Grade Capability	
Rugby 300 SG	-5 to +25% in one axis
Rugby 400 DG	-5 to +25% in either axis; (-5 to +15% in both axis)
Rotating Speeds	5, 10, 15, 20 RPS
Laser Diode	Infrared (IR) 780 nm invisible
Dimensions	10.4 x 10.2 x 7.9" (265 x 260 x 200 mm)
Weight	11.1 lbs (5 kg) without batteries
Operating Temperature	-4° to 122°F (-20° to 50°C)
Battery Type	Alkaline or NiMH
Battery Life	up to 130 hours with alkaline; up to 100 hours with rechargeable**
Environmental	Watertight to IPX-7 standard
Warranty	12-month†

## Two-way Remote Control Specifications

Distance	200 ft (60 m) typical
Battery Type	Four AAA Alkaline
Size	6.1 x 2.8 x 1.8" (155 x 70 x 45 mm)
Weight	14.4 oz (410 g)

\* Accuracy is defined at 25°C.

\*\* Battery life is dependent upon environmental conditions.

† Leica Geosystems International Limited Warranty.

# Leica Geosystems

Integrated solutions for the construction industry that are rugged, reliable, and offer exceptional customer value



Construction Lasers



Leader in GPS and TPS Technology



Automatic Levels



DIGISYSTEM™ Service Locator Tools



Pipe Lasers



Electronic Levels



Suggested package for the Rugby 300 SG and 400 DG includes: laser, carrying case, Rod-Eye Classic, charger with cable, and one NiMH battery pack. "RF Remote Control", (Rugby 400 DG) and magnetic scope are optional accessories.\*

\* Packages may vary.

Your Dealer:



**Total Quality Management**  
Our commitment to total customer satisfaction

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

Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1



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