RYE ROBOTICS

Leading Robotic Solutions for Golf Courses

BOULDER F1

Autonomous fairway mowing

Improve efficiency and turf quality for your course.



7,000 m²/hr
Rated mowing output

1.55 m
Cutting width / 61 in

10-12 hr
Rated runtime per charge

Built for professional fairways

Reel cutting quality

3-gang cylinder system with 8- or 11-blade reels and active back roller brushes.

Autonomy around your schedule

Dual-antenna NRTK + SLAM, LiDAR and cameras. Scheduled mowing with automatic return to charge.



About Rye Robotics

Founded in Los Angeles in 2022, Rye Robotics develops robotic mowers and autonomous equipment for golf courses. The core team,largely composed of graduates from the University of Cambridge and UCLA,brings deep expertise in autonomous driving and robotics.

In 2026, the company established a manufacturing facility in China to begin volume production.

Request a demo. Bring Boulder F1 to your course

www.ryerobotics.com

Support@ryerobotics.com

Rye Robotics Product Plan in 2027





Boulder F1

Fairway mower

Core product

Boulder R1

Rough / semi-rough mower

Coming soon
Q1 2027 target

G1

Single-gang greens mower

Coming soon
Q2 2027 target

R1 and G1 concept teasers. Final product appearance may differ.

Technical specifications

BOULDER F1

Cutting system	3-gang cylinder mower
Cutting width	1.55 m / 5.09 ft
Cutting height	6.35-31.75 mm / 0.25-1.25 in
Reel options	8 or 11 blades; 5 or 7 × 22 in
Rated mowing output	7,000 m²/hr / approx. 75,000 sq ft/hr
Rated coverage area	70,000 m² / 17.3 acres
Battery	LFP; 51.2 V, 618 Ah
Runtime / recharge time	10 - 12 hours / 8 hours
Localization	Dual-antenna NRTK + SLAM
Sensors	3D LiDAR; 3 × 3D + 4 × RGB cameras
Drive / steering	4 drive motors; 2 steering motors
Maximum speed	10 km/h / 6.2 mph
Max slope (mow / travel)	25° / 35°
Weight	967 kg / 2132 lb
Dimensions (L × W × H)	2.1 × 1.7 × 1.2 m / 6.89 × 5.58 × 3.94 ft
Protection rating	IP66

Published ratings. Actual output and runtime depend on the course and operating conditions.

Site demonstrations & Distribution enquiries

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