



RX REMOTE BLACKLINING MACHINE

Smokeless. Precise. Game-changing.

Revolutionizing prescribed fire

Traditional hand-firing methods for prescribed burns are slow, labour-intensive, and often constrained by narrow weather windows, smoke management concerns, and safety risks—especially in areas near homes, infrastructure, or steep terrain. These limitations drastically reduce the pace and scale of prescribed fire operations, despite growing pressure to mitigate wildfire risk across the landscape.

BurnBot RX redefines what's possible. This remote-operated, precision blackline machine transforms prescribed fire implementation by enabling faster, safer, and more controlled burn operations—3–4x quicker than hand crews—while maintaining exceptional accuracy.

Engineered for performance in real-world conditions, the RX operates in high humidity, light rain, and winds up to 20 mph. It safely creates blacklines within 5 feet of structures, under high-voltage lines, and across uneven terrain—dramatically expanding burn windows and opening up new treatment opportunities.

With minimal crew requirements, near-zero smoke emissions, and full digital data capture, RX brings a new level of efficiency, accountability, and confidence to prescribed fire operations.





Key Benefits

- **Faster Operations**
3-4x faster than hand firing blackline
- **Extended Burn Windows**
Operates in wind, humidity, and light rain
- **Low-Smog, Low-Risk**
Nearly zero smoke or ember cast
- **Minimal Crew Requirements**
Safe operation with only 3-6 personnel
- **WUI Ready**
Functions within 5 feet of structures and under power lines
- **Environmental Advantage**
No herbicides, reduced soil disturbance
- **Comprehensive Data Logging**
GPS, weather, and ops data captured automatically



Performance Highlights

- **Dimensions:** 28.5' L x 8.5' W x 9.5' H
- **Ground Pressure:** <10 PSI
- **Ground Clearance:** 22"
- **Slope Handling:** Up to 30° perpendicular / 20° side slope
- **Fuel Types:** Flashy fuels up to 9' tall, including partially cured vegetation
- **Conditions:** Operates in wind up to 20mph and high humidity



Expanding What's Possible

- **More Burn Days:** Execute blacklines earlier, later, and longer than ever
- **Difficult Terrain:** Operate on uneven ground and inaccessible zones
- **Infrastructure-Ready:** Burn safely near towers, substations, and high-voltage lines
- **Dual Function:** Burn inside blacklines or scale up to burnout larger areas
- **Seed Bank Reduction:** Proven potential to reduce invasive species risk



Data-Driven Fire

Every burn is automatically recorded and delivered with:

- Timestamped GPS tracks
- Weather conditions
- Machine performance metrics
- Complete digital burn reports for agency and customer records



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