



**DOUBLE UNDERCUTTING PRODUCTIVITY  
FOR LESS TIME ON THE MAINLINE.**

## **UC1200**

### **TWIN ROTARY UNDERCUTTER / BALLAST CLEANER**

**Loram's UC1200 Undercutter Cleaner** is the industry's most advanced, most productive and highest-capacity, self-contained system for any undercutting program. The UC1200 features innovative, twin rotary undercutting technology and dual material discharge for handling and cleaning up to 1,200 m<sup>3</sup> of excavated ballast per hour at enhanced operational speeds.

Loram's patented, twin undercutter wheels allow the UC1200 to quickly cut in and cut out. Unlike chain undercutters, the UC1200 doesn't need any auxiliary equipment to remove ties or ballast to cut in. The UC1200's wheels can undercut a track near adjacent tracks that have 14-foot or larger track centers without disturbing the adjacent track. With the versatility of the Loram undercutter wheels, the UC1200 can undercut up to 10-foot ties.

Loram's UC1200 integrates industry-leading undercutting capabilities, along with the ability to perform either ballast cleaning or waste-only ballast removal. A 7×20-foot double-deck separator screen, with exclusive elliptical throw agitation and variable screen leveling, separates the reusable ballast from the dirt, mud and fines. The UC1200 then restores reclaimed ballast to the top of the ties, and spoils are placed onto a swing conveyor that can discharge the material up to 35 feet from track center or transfer into a material handling or dump car.

#### **FEATURES AT A GLANCE**

- **Twin rotary undercutting wheels** with typical 8 – 10 in. (200 – 250 mm) undercutting depth per pass; 16 in. (400 mm) max depth
- **Class-leading undercutting speed** of 1,400 feet (427 m) per hour, up to 2,300 feet (700 m) per hour potential
- **Ballast processing capacity** of 1,200 m<sup>3</sup> (1,570 yd<sup>3</sup>) per hour
- **Displace waste and spoils** up to 35 ft (11 m) from the track center
- **Automated, self-supported cut-in** and out without the need for auxiliary equipment
- **Rapid 5 – 15 minute set-up or stow time** (based on conditions)

For more information on this machine, or on developing a tailored maintenance program for your railroad, contact Loram at **1-800-328-1466** or visit **LORAM.COM**



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3900 ARROWHEAD DRIVE | HAMEL, MN 55340 USA



# SPECIFICATIONS

## LORAM UC1200 TWIN ROTARY UNDERCUTTER / BALLAST CLEANER

	UC1200 UNDERCUTTER
Length <sup>1</sup>	252 ft (76.8 m)
Width <sup>1</sup>	10.1 ft (3.1 m)
Height <sup>1</sup>	15.8 ft (4.8 m)
Weight <sup>1</sup>	553,200 lb (250,930 kg)
Working Speed	Up to 2,300 ft/hr (700 m/hr)
Production Rate <sup>2</sup>	1,570 yd <sup>3</sup> /hr (1,200 m <sup>3</sup> /hr)
Max. Undercutting Depth	16 in. (400 mm) from bottom of tie
Digging Width	17 ft. (5.2 m)
Min. Undercutting Depth	6 in. (150 mm) from bottom of tie
Waste Discharge	Up to 35 ft (11 m) from either side of track center or into an auxiliary car
Travel Speed	– Self-powered: Up to 40 mph (64 km/h) – In train consist: Up to 60 mph (100 km/h)
Gradeability	Up to 4%
Minimum Work Radius	13° degree curve (130 m radius)
Minimum Travel Radius	17° degree curve (100 m radius)

<sup>1</sup> Excluding Auxiliary Cars

<sup>2</sup> Typical; subject to application and material conditions

*Specifications subject to change*

### UC1200 Additional Features & Benefits:

- Enhanced operation automation
- Waste conveyor obstacle avoidance system
- Variable inclination screen with elliptical throw
- Distribution of reclaimed ballast directly behind the undercutter wheels
- AAR 400 & 401 compliant
- Track alignment tolerances +/- 2 in. (50 mm)
- Capable of operating on jointed rail and continuous welded rail
- Capable of pulling up to six, fully-loaded 100-ton ballast cars



### SERVICE & SUPPORT

With a 60-year plus legacy of serving the railroad industry with the most advanced technologies, the most reliable and productive maintenance of way equipment and world-class contract service work, Loram brings its partnership approach to every customer relationship. This includes an extensive training and technical support program with every machine. Whether for a heavy haul, high-speed, underground or metro-rail system, Loram has the equipment and services you need.

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