



—
**VALUE
PROVIDER**

BUNK LOADER & LABELER

Optimize Workflow & Finishing Line Efficiency

Greatly improve personnel utilization and efficiency with Radian's 2-in-1 automated system for labelling and dunnage loading. Equipped with interlocking safety and controls, this cell is designed to safeguard operators and ensure optimal equipment reliability. This advanced system performs labelling and dunnage loading concurrently, maintaining high efficiency, and adhering to required cycle times, all while keeping your operators at a safe distance from the processing line. Designed to prioritize the labeling process without compromising the loading of the dunnage magazine so mill personnel can focus on other important tasks. Each system is delivered fully programmed and ready to integrate into your existing mill-line layout seamlessly.

Standard Deliverables

- One 6-axis robot with:
 - (x1) label vacuum pad
 - (x1) dunnage picking mechanism
- Electrical/controls cabinet
- Advanced HMI system diagnostics
- Label printer
- (x1) Staple reload station
- Dunnage magazine
- Integrate with any new or existing Strapping Machine

Upgrades & Add-ons

- PM & support packages



DUNNAGE LABELER

STANDARD SPECIFICATIONS

Cycle Time (estimated)*	Up to 55 Bundles/Hour
Product Dimensions	Project specific
Label Securing Method	Adhesive or Staple

*Note: System designed to meet specific project cycle time requirements.

PROCESS DESCRIPTION

When a product package arrives at the dunnage/labelling cell, the production conveyor data is transmitted to our robot's control system. The system triggers the printer to generate a label, which the robot picks up. The robot then detects the package's surface and applies the label securely, with adhesive or staples. While waiting for the next package to arrive, the robot loads the dunnage into the strapper magazine to keep it full. When the robot runs out of staples, it moves to the staple loading station to automatically reload. This well-coordinated process ensures accurate labelling and consistent dunnage loading, maintaining optimal workflow without operator intervention.

Schedule a visit today:
info@radianrobotics.com or
+1.905.639.7370

Need something a little different?

Let's talk. We collaborate with clients to engineer custom solutions to meet their specific needs.



70 Lancing Dr
Hamilton, ON L8W 3A1
Canada
radianrobotics.com

