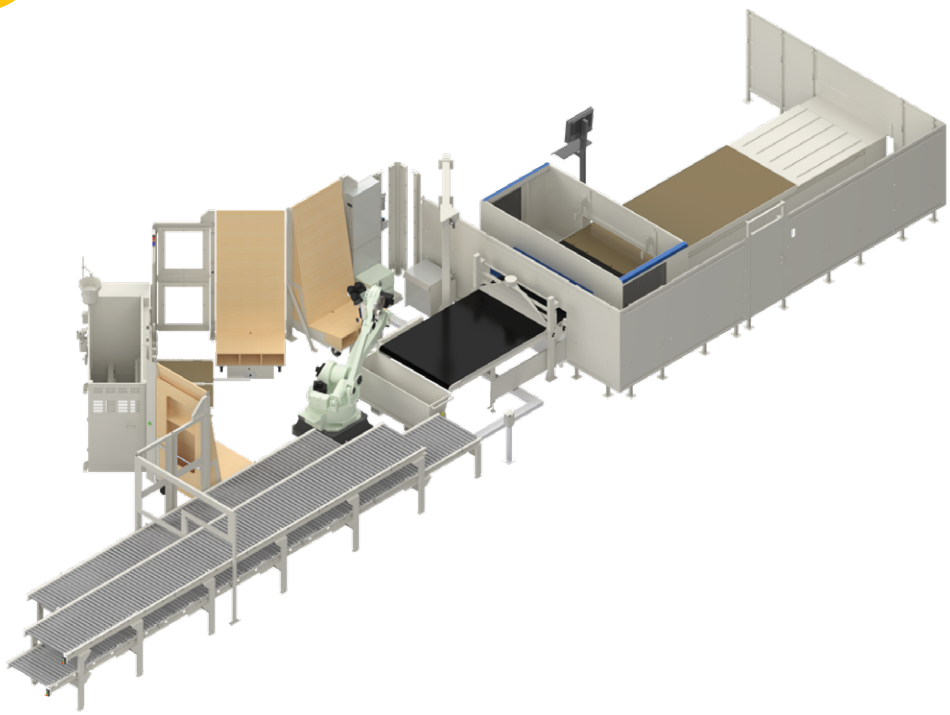
EDGE Automation

CabSort™ *lite*

Cabinet Automation System



A high-speed CNC unload, drill and dowel system designed to keep your edgebander fed and your team focused on value-added work.

The **CabSort™** system by Edge Automation is a robotic CNC unloading and sorting solution designed for woodworking applications. By automating CNC offloading, drill/dowelling, and part sorting. The system aims to **increase production efficiency, minimize material waste, and reduce operator labour.**

What it Does

- Unloads CNC nested parts and sorts panels into organized stacks.
- Performs drill/dowel operations on required panels.
- Creates consistent, repeatable flow from CNC to downstream processes.

Best For

- Cabinet and millwork shops starting on the path of automation, with a compact footprint requirement.
- Teams looking to reduce manual unloading and part handling at the CNC.
- Operations that want smoother feeding to the edgebander and fewer bottlenecks in the order completion flow.

Key Capabilities

- CNC unloading.
- Drill/dowel on required panels.
- Automatic stacking logic with FIFO (First In, First Out).
- Separates short vs long panels for efficient handling.
- Vision-guided pick-and-place, Max Capacity: 130 lbs.

Powering Productivity Through Innovation

CabSort™ *lite*

Specifications

Max horizontal stack height	15 panels @ 3/4" thick < 48"
Max panel thickness	1" (25.4 mm)
Max panel size	44" x 96"
Min panel size	3" x 8"
Conveyor lanes	2 lanes (16' long)
Driven sections	4 total (2 per lane)
Stacks per conveyor lane	4
Stack type	Center stacked (single position)

Stacking

- **Panels < 48":** stacked up to 15 high on outfeed conveyors
- **Panels > 48":** stacked on vertical carts
- **FIFO stacking** for predictable downstream flow

Operating Modes

- **Automatic:** Populates carts/conveyors based on predefined rules.
- **User Entry:** Allows operators to define sorting locations via an HMI.
- **Hybrid:** Combines automatic population with user-defined parameters for high-volume panels.

Need higher throughput or sorting? Move up to CabSort™ *max* or CabSort™ *plus*

Key Benefits

- **Intelligent Sorting**
  The system utilizes an overhead vision system and an intelligent end-of-arm tool to identify, pick, and precisely process panels.
- **Sorting Flexibility**
  Sorts panels by family, kitchen/job, size, or edge code using conveyors, horizontal and vertical carts.

Why Edge Automation?

vertical integration + controls/robotics + partnership + efficiency

Kitchen & Bath | Hospitality | Residential | Commercial | Industrial | Office Furniture

EDGE Automation

Since 2002, Edge Automation has partnered with manufacturers who demand reliability and precision. We deliver custom-designed automation solutions.

Talk to an automation engineer

info@edgeautomation.ca | 519-457-9846
363 Sovereign Rd., London, ON

Copyright © 2026. All Rights Reserved by Edge Automation

edgeautomation.ca