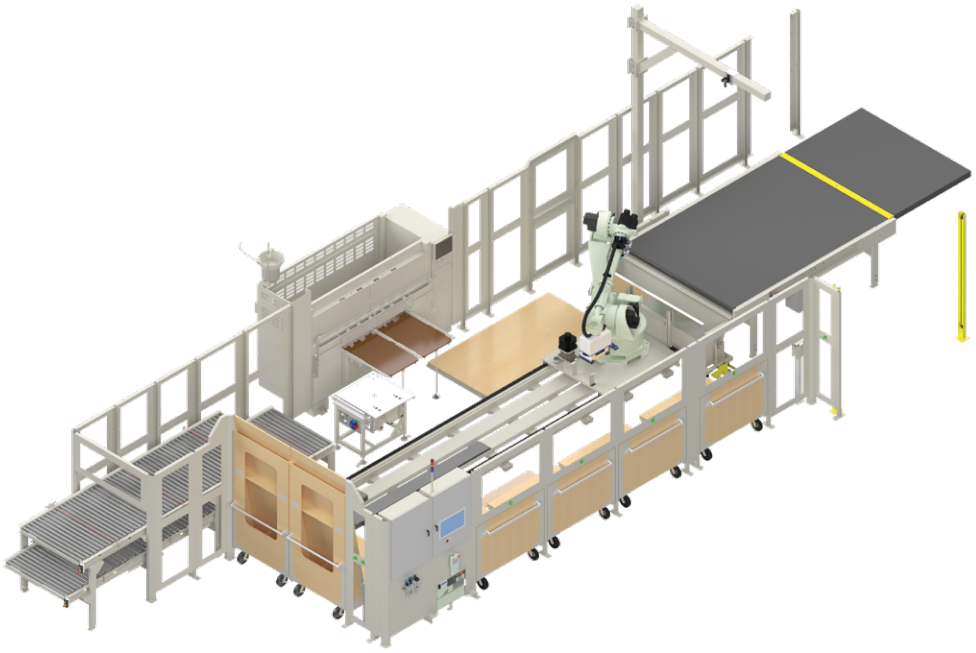
EDGE Automation

CabSort™ max

Cabinet Automation System



A high-capacity CNC unload, drill and dowel system with 9 sorting carts designed to keep your assembly floor stocked in sequence and your team focused on building — not sorting.

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 panels, performs drill/dowel operations, and sorts parts into carts.
- Organizes panels so teams can run downstream processes with less searching, reshuffling, and rework.
- Creates a repeatable system for grouping parts by how you build.

Best For

- Shops that need sorting + structured staging (not just CNC unloading).
- Teams running multiple kitchens/units/orders and needing cleaner WIP control.
- Manufacturers aiming to standardize flow and reduce handling variability.

Key Capabilities

- CNC unloading.
- Includes 9-cart sorting.
- Sort up to 960 panels.
- Drill/dowel on required panels.
- **Intelligent Sorting**
  The system utilizes an overhead vision system and an intelligent end-of-arm tool to identify, pick, and precisely process panels.

Powering Productivity Through Innovation

CabSort™ *max*

Specifications

Max horizontal stack height on carts	36″
Cart count	9 carts
Max panel throughput	Up to 960 panels
Overall dimensions	48″ x 52″
Max panel size	48" x 48"
Min panel size	3" x 8"
Stack type — Horizontal	Variable (multi position)
Max vertical panels	40 (within stability rule)
Max panel thickness	1" (~25 mm)
Max panel length	44" x 96" (smooth panel only)
Max panel width	44" x 48"
Stack type — Vertical	Center stacked (single position)

Stacking

Sort & stack panels by:

- **Panel Family / Usage**
- **Kitchen**
- **Size**
- **Code / Edge Band Colour**

Need higher throughput or sorting? Ask about CabSort™ *plus* or custom automation.

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.
- **Panel Mating:** Defines specific panels (e.g., gables, tops/bottoms) to be mated before stacking to facilitate downstream assembly.

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

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