

**Client:** Cabinet Creations and Design  
**Goal:** Remove Sanding Bottleneck and Scale  
**Industry:** Custom Cabinet Manufacturing  
**Location:** Dyckesville, Wisconsin  
**Employees:** 35  
**Solution:** PSA-80 PRO



## CASE STUDY

# They Bought One. Then Another Only Seven Months Later.

How Automated Sanding Unlocked 10–15% Annual Growth Without Expanding Headcount

## Overview

Cabinet Creations and Design, a custom cabinet manufacturer in Wisconsin, integrated a PSA-80 PRO sanding robot to eliminate a major production bottleneck. The system was so successful that they ordered a second unit just seven months later to proactively scale their operations.

## The Problem

The company was experiencing rapid annual growth (10–15%), but their sanding department couldn't keep up. In a tight labor market, hand-sanding roles were difficult to staff, physically draining for workers, and yielded inconsistent quality that relied entirely on individual skill. Consequently, sanding became a severe bottleneck limiting their overall production throughput.



- ✓ ~5 Employees Worth of sanding Capacity Added
- ✓ ~\$275,000 Estimated labor Impact per Year<sup>1</sup>
- ✓ 10–15% Annual Growth With Stable Headcount
- ✓ Second System Ordered Within 7 Months
- ✓ 1 Day From Installation to Production



**“Results depended heavily on individual skill and visual judgment. Consistency and quality were ongoing challenges.”**

— Ryan Barbiaux, Vice President at Cabinet Creations and Design

## The Solution

### Converting Sanding from Labor-Dependent to Predictable Production

They installed the PSA-80 PRO automated sanding robot. The integration was nearly seamless, taking only 4 hours from installation to production. The robot transformed sanding from a labor-dependent, variable task into an autonomous and predictable process, allowing workers to let the machine run while they focused on other tasks.

## The Result

Within months, sanding transitioned from a variable constraint to a controlled production function. Quality had become predictable, and automation had proven itself as a driver of growth.

### From Bottleneck to Strategic Capacity

Before automation, sanding limited throughput and growth depended on labor. After automation, throughput became predictable, growth absorbed without new headcount, and leadership doubled capacity proactively.



### 5 employees worth of sanding capacity added

Labor previously tied to repetitive sanding tasks was redeployed to higher-value work.



### Surface Consistency Standardized Across Every Door

Consistent finish quality, independent of operator variability.



### Rework and Waste Reduced by 35%<sup>2</sup>

Improved process stability significantly lowered touch-ups, over-sanding, and material scrap



### ~10-15% Annual Growth Without Expanding Headcount

Automation absorbed demand increases without hiring.



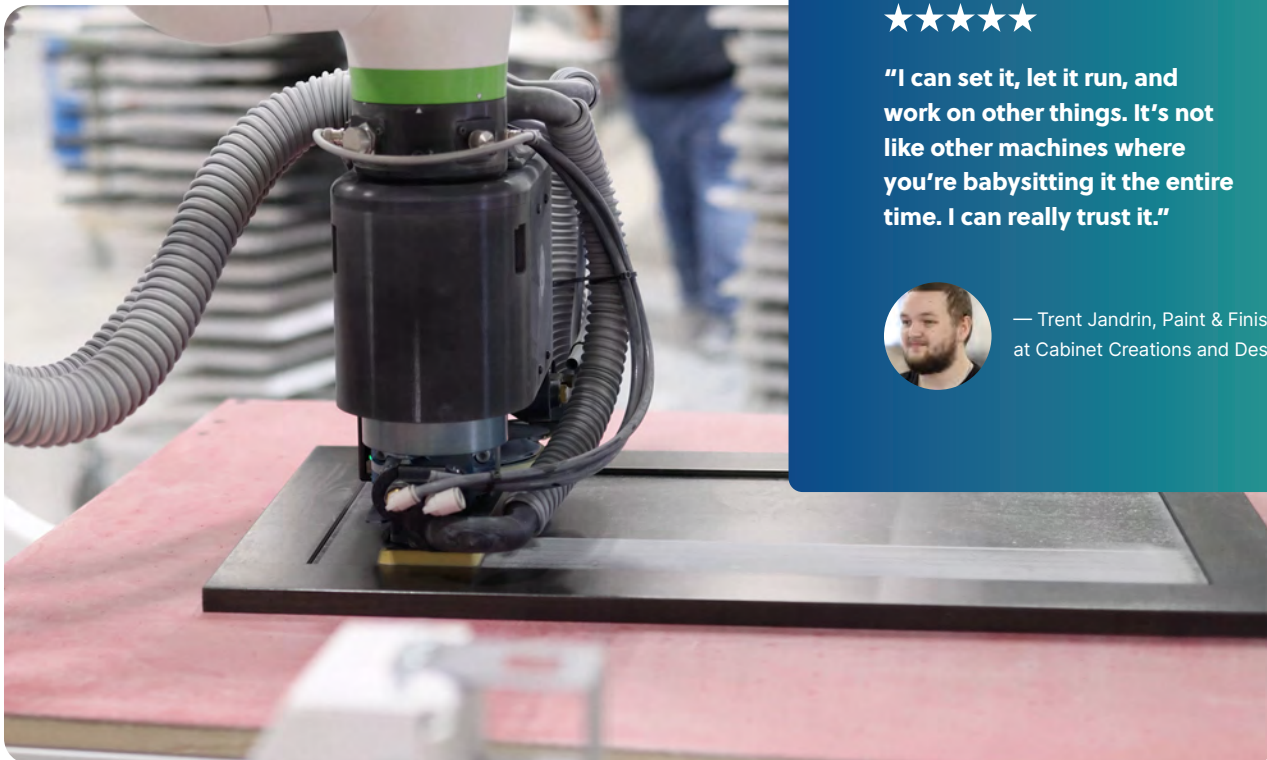
### ~\$275,000 Annual Labor Reduction

Based on regional labor cost benchmarks for cabinet sanders.



### Improved Employee Productivity and Engagement

Less repetitive sanding. More skilled, value-added work.



**"I can set it, let it run, and work on other things. It's not like other machines where you're babysitting it the entire time. I can really trust it."**



— Trent Jandrin, Paint & Finish at Cabinet Creations and Design



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