

Accountability for the flightline.

Parcell provides smart tool control built for closely regulated aviation maintenance environments. Our solutions keep maintainers and operations teams fully mission-ready with compliance-ready data integration into existing ERP, CMMS, and asset tracking systems.

PRODUCTS & SOLUTIONS

Smart Tool Crib

Modular smart locker for secure, automated tool checkout and return accountability.

Auto-Inventory Kit

Tool tracking and inventory retrofit kit for existing toolboxes. No new hardware required.

Mobile Inventory Kit

Mobile solution for rapid room or container inventory. Deployable in hours.

ToolSight

AI-powered computer vision for automated toolbox inventory. Offline-capable.

Workbench Connector

Secure data integration with existing asset tracking hardware. API-first architecture.

DIFFERENTIATORS

Parcell's tool accountability systems are designed for high-throughput aviation maintenance operations providing accuracy, speed, and auditability that outperform legacy clipboard and RFID-based approaches.

Unlike proprietary solutions, Parcell enables compliance-ready integration with existing information systems. Our solutions are deployable as standalone products or together as a platform.

Works offline. Enhances existing processes. Deployment ready.

TEAM EXPERTISE

- Electronics & Electrical Engineering · Mechanical Engineering · Computer Vision & AI · Additive Manufacturing · Software & Firmware Development · Embedded Systems · Sensor Integration · Rapid Prototyping · Enterprise Systems Integration · API-first Architecture · Cloud/Hybrid Workflows

RECENT RELEVANT WORK

GOVERNMENT CUSTOMER · 2025

Workbench Connector

Developed data integration capability between modern hardware and legacy software for a government maintenance facility.

MILITARY CUSTOMER · 2025

Mobile Inventory Kit

Rapid design, build, and deployment of handheld inventory device for active-duty maintenance operations.

MILITARY CUSTOMER · 2024

Smart Tool Control — Automating Tool Access

Built and tested prototype smart tool crib at two Air Force bases. Validated offline identification and auto-attribution workflow.

INDUSTRIAL CUSTOMER · 2024

Smart Tool Crib for Beverage Manufacturing

Smart Tool Crib workflow automation in regulated, high-volume manufacturing operations.



NAICS CODES

- 332439 Other Metal Container Manufacturing
- 332510 Hardware Manufacturing
- 334118 Computer Terminal & Other Peripheral Equipment Mfg.
- 334290 Other Communications Equipment Manufacturing
- 334419 Other Electronic Component Manufacturing
- 335210 Small Electrical Appliance Manufacturing
- 337215 Showcase, Partition, Shelving, and Locker Manufacturing
- 541330 Engineering Services
- 541519 Other Computer Related Services
- 541715 R&D in the Physical, Engineering, & Life Sciences

PSC CODES

- 7A21 IT & Telecom — Business Application Software
- 4920 Aircraft Maintenance and Repair Shop Specialized Equipment
- 5140 Tool and Hardware Boxes
- 7125 Cabinets, Lockers, Bins, and Shelving
- AC33 National Defense R&D Services; Defense-related Experimental Development