

Jeremiah Hall

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SUMMARY

Senior conveyor manufacturing engineer with nine years delivering material handling systems for high volume automotive manufacturing. Career includes General Assembly, Body, and Paint operations, with ownership spanning **layout development, engineering drawings, equipment specifications**, supplier coordination, fabrication, installation, start up, and production stabilization. Leads concurrent capital projects across multiple plants, balancing timing, cost, safety, throughput, and **technical requirements**. Partners with manufacturing engineering, maintenance, safety, construction, operations, controls, and external suppliers to resolve field constraints and protect production readiness. Applies AutoCAD, FactoryCAD, NX applications, lean manufacturing, process engineering, project scheduling, financial tracking, simulation interpretation, and structured problem solving. Brings practical field judgment, clear technical documentation, and a collaborative approach that helps complex conveyor programs move from concept through reliable operation.

EXPERIENCE

Senior Conveyor Manufacturing Engineer

July 2023 - Present

Summit Automotive Systems

Columbus, OH

Leads conveyor engineering for three vehicle assembly programs across General Assembly and Body operations. Owns layouts, equipment interfaces, supplier deliverables, installation sequencing, start up, and production readiness while coordinating **plant stakeholders** and field teams.

- Led three assembly conveyor programs through layout release, supplier coordination, **installation**, and production readiness.
- Developed AutoCAD and FactoryCAD layouts integrating conveyors, workstations, utilities, maintenance access, and **material presentation**.
- Resolved supplier and construction conflicts through technical reviews, field verification, and approved **engineering** changes.
- Tracked schedules and financials for multimillion dollar equipment packages against scope, commitments, and milestones.
- Applied lean principles and throughput analysis to simplify transfers while protecting line capacity and operator access.
- Directed shutdown installation and **start up issue resolution** using drawings, punch lists, and supplier escalation.

Conveyor Manufacturing Engineer

March 2020 - June 2023

Heartland Vehicle Manufacturing

Louisville, KY

Executed conveyor projects for high volume assembly operations from concept layout through buyoff, installation, commissioning, and operational acceptance. Coordinated integrated suppliers and internal manufacturing groups while maintaining specifications, drawing packages, issue logs, and closeout records.

- Executed **conveyor projects** from concept layout through equipment buyoff, commissioning, acceptance, and production handoff.
- Created **FactoryCAD** and **AutoCAD** layouts for carriers, transfers, lifts, accumulation zones, and line side interfaces.
- Validated conveyor capacity through **process requirements**, takt needs, equipment constraints, and simulation output review.
- Coordinated **suppliers** and manufacturing teams through drawing reviews, **fabrication** checkpoints, readiness reviews, and installation planning.
- Resolved field interferences by comparing installed conditions with specifications and documenting approved corrective concepts.
- Maintained conveyor specifications, drawing packages, issue logs, and completion records for timely project closeout.

Manufacturing Engineer

June 2017 - February 2020

Riverbend Assembly Technologies

Evansville, IN

Supported conveyor and material handling engineering for Body, Paint, and General Assembly processes. Combined layout interpretation, **technical documentation**, downtime analysis, supplier coordination, and start up support to improve safe production launches.

- Supported conveyor engineering for Body, **Paint**, and **General Assembly** processes in high volume production.
- Verified installation clearances, process interfaces, maintenance access, and operator **safety** using drawings and **plant layouts**.
- Prepared AutoCAD layout revisions from design reviews, plant walkdowns, and approved equipment changes.
- Analyzed recurring conveyor downtime with maintenance and production teams, converting causes into practical corrections.
- Tracked supplier actions and verified completed installation work against drawings before production launches.
- Built project discipline through schedule tracking, **cost** documentation, vendor coordination, and cross functional reporting.

Junior Manufacturing Engineer

June 2015 - May 2017

Midwest Motion Solutions

Fort Wayne, IN

Supported conveyor layout development and equipment integration for automotive component and final assembly customers under senior engineering supervision. Contributed field measurement, supplier drawing review, throughput observation, punch list coordination, and safe equipment start up.

- Supported conveyor **layout development** and equipment integration for automotive component and final assembly customers.
- Updated AutoCAD drawings for routing, work zones, guarding interfaces, and equipment footprints from field measurements.
- Reviewed supplier drawings for dimensional consistency, **installation** requirements, and customer manufacturing specifications.
- Collected cycle time observations that informed **throughput** constraints and accumulation requirements for material handling systems.

- Coordinated site punch lists and verified supplier corrections before customer acceptance and production handoff.
- Built practical knowledge of **lean manufacturing**, maintenance, change control, and safe equipment **start up**.

PROJECTS

Multi Plant Conveyor Integration 📅 2026

Coordinated integrated conveyor interfaces across multiple assembly facilities, aligning plant layouts, supplier deliverables, installation sequencing, safety reviews, and production readiness.

Throughput Based Conveyor Design 📅 2024

Used process requirements, takt analysis, and simulation interpretation to refine accumulation, transfers, and material presentation for high volume assembly.

LEADERSHIP & AWARDS

- Recognized by plant leadership for resolving critical conveyor start up issues during production shutdowns.
- Selected to lead concurrent conveyor engineering programs across General Assembly and Body operations.
- Earned supplier and operations confidence through clear technical reviews, field decisions, and documented closeout.

EDUCATION

Bachelor's Degree in Mechanical Engineering

2015

Purdue University Fort Wayne GPA: 3.5

Fort Wayne, IN

Coursework: Manufacturing systems, mechanical design, process engineering, engineering analysis

CERTIFICATIONS

- Project Management Professional, PMI 📅 2024
- OSHA 10 Hour General Industry 📅 2023

TECHNICAL SKILLS

- **Design Software:** AutoCAD, FactoryCAD, NX
- **Conveyor Systems:** Overhead conveyors, floor conveyors, carriers
- **Plant Operations:** General Assembly, Body, Paint
- **Process Analysis:** Throughput analysis, takt analysis, simulation
- **Project Controls:** Project schedules, financial tracking, scope control
- **Engineering Documents:** Engineering drawings, equipment specifications, issue logs
- **Installation Delivery:** Fabrication, installation, commissioning
- **Production Launch:** Start up, equipment buyoff, operational acceptance
- **Lean Methods:** Lean manufacturing, waste reduction, material presentation
- **Safety Practices:** Safety requirements, guarding, maintenance access
- **Supplier Execution:** Supplier coordination, vendor reviews, corrective actions
- **Problem Solving:** Root cause analysis, field verification, punch lists

SKILLS

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|-----------------------------|------------------------|-----------------------|---------------------------|
| • Conveyor engineering | • NX software | • Process engineering | • Supplier coordination |
| • Manufacturing engineering | • Conveyor layouts | • Throughput analysis | • Technical documentation |
| • AutoCAD | • Engineering drawings | • Lean manufacturing | • Problem solving |
| • FactoryCAD | • Plant layouts | • Project management | |

PROFESSIONAL AFFILIATIONS

- Project Management Institute, member since 2024.
- Society of Manufacturing Engineers, professional member.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST