

Damien Austin

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SUMMARY

Manufacturing Engineer with eight years of progressive industrial and **process engineering** experience across high volume manufacturing, material handling, warehousing, and processing operations. Applies STDS time studies, work measurement, method studies, standardized work, labor planning, process balancing, capacity analysis, Lean manufacturing, **root cause analysis**, ergonomics, and material flow design to improve safety, quality, delivery, cost, productivity, throughput, and **employee experience**. Independently scopes complex improvements, develops business cases and cost estimates, and leads cross functional implementation without direct authority. Creates JES, SOS, layouts, process flows, staffing models, and validation records. Partners effectively with Operations, Quality, Safety, Maintenance, Facilities, Information Technology, Automation, suppliers, contractors, and hourly teams. Brings practical judgment, clear communication, and sustained operating discipline to **processing center** improvement work.

EXPERIENCE

Senior Manufacturing Engineer, Processing Operations

July 2023 - Present

Lakefront Process Engineering

Toledo, Ohio

Leads **industrial engineering** for a multi zone processing operation, balancing labor, equipment, workstation design, material flow, safety, and daily throughput. Guides cross functional implementation from concept definition through trials, validation, handoff, and sustainment.

- Balanced labor, equipment, and workstation capacity against daily processing demand and safety requirements.
- Used STDS **time studies** to update **staffing models** for changing product mixes and operating conditions.
- Reworked JES and SOS documents with operator input, traceable revisions, and validated work methods.
- Scoped conveyor and tooling projects through requirements, risks, estimates, timing, and **expected benefits**.
- Led **installation readiness** reviews with Operations, Quality, Safety, Maintenance, IT, Automation, suppliers, and contractors.
- Coached partners in Lean problem solving, **standardized work**, root cause analysis, and sustained change.

Manufacturing Engineer, Material Systems

June 2020 - June 2023

Great Lakes Material Systems

Perrysburg, Ohio

Owned **process balancing**, **capacity analysis**, labor planning, layout development, and improvement projects for receiving, storage, kitting, and outbound material operations supporting multiple manufacturing customers.

- Owned capacity studies for receiving, storage, kitting, and outbound material operations across multiple customers.
- Built **labor plans** from time study data and demand scenarios, exposing bottlenecks before launch.
- Designed ergonomic workstation and aisle layouts using **operator feedback**, travel paths, and material presentation.
- Resolved congestion, rework, excess motion, and quality escapes through structured root cause investigations.
- Prepared investment alternatives and **return on investment** inputs for automation, tooling, and **material handling**.
- Maintained issue logs, decisions, validation records, and handoff documents for operating teams.

Industrial Engineer, Assembly Operations

May 2018 - May 2020

Midwest Assembly Solutions

Fort Wayne, Indiana

Developed standard time studies, process flows, workstation layouts, operating methods, and controlled trials for assembly and packaging operations. Presented measured recommendations that supported labor planning, line balancing, ergonomics, and process reliability.

- Developed **standard time** studies for assembly and packaging, supporting labor planning and line balancing.
- Created **process flows** and workstation layouts after observing operator sequences and equipment interactions.
- Analyzed cycle **variation**, waiting, walking, material presentation, and **quality** risks during floor observations.
- Tested future state concepts through controlled trials with documented methods, findings, and approval steps.
- Supported **ergonomic reviews** by applying reach, lift, posture, and operator feedback to fixture changes.
- Presented **capacity** findings and implementation recommendations using measured data and clear assumptions.

Junior Industrial Engineer, Production Support

June 2016 - April 2018

Riverbend Manufacturing Operations

Dayton, Ohio

Supported **industrial engineering** studies for production and internal logistics processes, building practical experience in time study, **standardized work**, process observation, documentation, and controlled improvement trials.

- Collected cycle time and work content data for labor and capacity standards under senior guidance.
- Drafted workstation layouts, process maps, and job instructions reflecting operator sequences and **safety** needs.
- Documented **waste**, **bottlenecks**, unnecessary motion, and recurring delays during production floor observations.
- Prepared pilot run data sheets, recorded trial results, and tracked open implementation issues.
- Confirmed approved process changes through controlled documentation and supervisor review.
- Built productive relationships with hourly employees, supervisors, maintenance technicians, and **quality** staff.

PROJECTS

Processing Center Flow Redesign 2024

Worked with Operations and hourly partners on a future state material flow concept. Combined layout review, labor impacts, workstation needs, and validation planning into a practical implementation path.

Standardized Work Documentation Renewal 2022

Connected operator feedback with JES, SOS, time study, and revision control practices. The effort gave engineering and Operations a clearer shared reference for sustained methods.

LEADERSHIP & AWARDS

- Lean Six Sigma Green Belt recognition, 2021
- Operations partnership recognition for practical process improvement leadership, 2023
- Cross functional engineering contribution recognition for processing improvement delivery, 2024

EDUCATION

Bachelor's Degree in Industrial Engineering

2016

University of Toledo GPA: 0

Toledo, Ohio

Coursework: Work Measurement, Manufacturing Systems, Operations Research, Facilities Planning

CERTIFICATIONS

- Lean Six Sigma Green Belt 2021
- Standard Time Data System Training 2021

TECHNICAL SKILLS

- **Work Measurement:** STDS, time studies, method studies, work combination analysis
- **Standardized Work:** JES, SOS, revision control, job instructions
- **Capacity Planning:** Staffing models, labor plans, capacity analysis, throughput modeling
- **Lean Methods:** Lean manufacturing, root cause analysis, continuous improvement
- **Layout Engineering:** Workstation layouts, facility layouts, process flows
- **Material Flow:** Material handling, aisle design, travel path analysis
- **Ergonomics:** Reach assessment, lift assessment, posture review
- **Project Delivery:** Project charters, scope boundaries, risk logs
- **Validation Methods:** Pilot runs, capability checks, process validation
- **Investment Analysis:** Cost estimates, business cases, return on investment
- **Automation Systems:** Automation, tooling, conveyor systems
- **Operations Software:** Information Technology, engineering data, validation records

SKILLS

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|-----------------------------|---------------------|----------------------|-----------------------|
| • Industrial Engineering | • Work Measurement | • Process Balancing | • Facility Layout |
| • Manufacturing Engineering | • Method Studies | • Capacity Analysis | • Ergonomics |
| • STDS | • Standardized Work | • Material Flow | • Root Cause Analysis |
| • Time Studies | • Labor Planning | • Workstation Design | |

PROFESSIONAL AFFILIATIONS

- Industrial engineering professional community participant, sharing practical work measurement and process improvement lessons.
- Manufacturing operations collaboration network participant, connecting engineering, quality, safety, maintenance, and hourly teams.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST