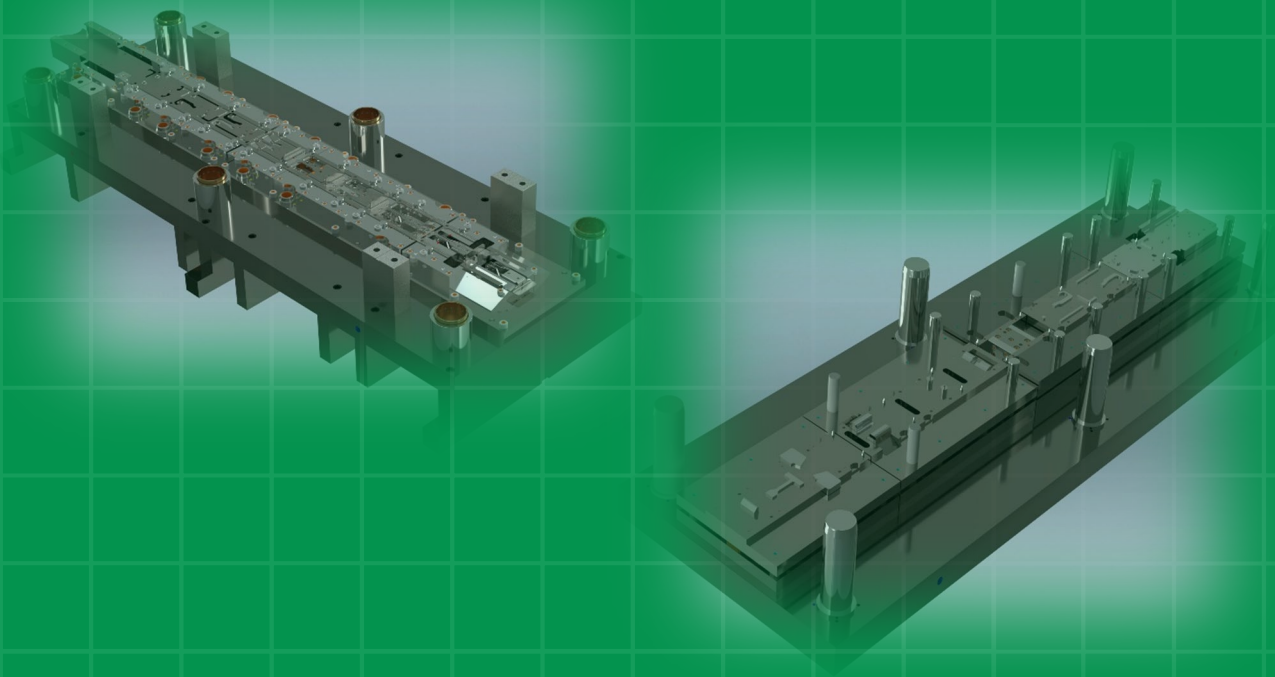
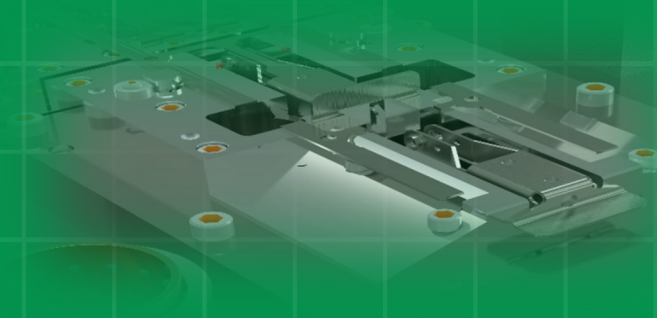


# LITTEL DESIGN & ENGINEERING

TOOL & MANUFACTURING  
CONSULTING



**INDEPENDENT TOOL & MANUFACTURING CONTRACTOR**



## OVERVIEW

With over 40 years of hands-on experience in the Tool & Manufacturing industry, I offer a contract-based, highly specialized consulting service tailored to companies in the Automotive, Aerospace, Electronics, Medical Device, and Industrial Equipment sectors. My services span all phases of product and tool development from concept and design to prototype, validation, and production implementation.

## KEY SERVICES OFFERED

- Tooling Design & Engineering (Progressive Dies, Injection Molds, Form Tools)
- CAD Drafting & Design using AutoCAD, Inventor, SolidWorks + Logopress, ProE
- Manufacturing & Process Troubleshooting (Stamping, Forming, Molding)
- Project Management – From quoting and sourcing to tool launch and SOP
- Training & Apprenticeship Program Development

## VALUE ADDED OPPORTUNITY

- Proven ability to reduce tool development cycles
- Improve manufacturing uptime and quality through robust tool design
- Provide team training and documentation to reduce tribal knowledge reliance
- Support lean initiatives through tooling standardization and DFM practices

## CONSULTING STRUCTURE

- Available on a per-project, retainer, or fractional engineering basis
- Remote CAD and support with on-site visits as needed (U.S. based)
- Documentation, BOMs, and prints included
- NDA and confidential client handling standard

## IN SUMMARY OF LITTEL DESIGN & ENGINEERING PROPOSAL

### SERVICE OVERVIEW

With over 40 years of experience in Tool & Die, Manufacturing Engineering, and Product Development, I provide expert consulting services to companies in automotive, aerospace, electronics, and medical manufacturing. My goal is to help clients reduce downtime, improve tooling reliability, and accelerate time to market.

### CORE COMPETENCIES

- Progressive Die Design & 2D/3D CAD (SolidWorks, Logopress, AutoCAD, ProE)
- Injection Mold & Stamping Tool Engineering
- Automation & Machine Design Support
- Tool Room Setup, Tryout, Debug & Troubleshooting
- Process Validation (FMEA, CPK, SPC)
- Estimating, Quoting, and Vendor Liaison
- Apprentice Training & Technical Mentorship

### CLIENT BENEFITS

- Reduce tool build and debug time
- Improve uptime and part quality through design-for-maintainability
- Gain access to decades of hands-on knowledge in stamping and mold processes
- Streamline quoting and job kickoff with professional estimation support

## INDUSTRIES SERVED & PAST CLIENTS

Bazz-Houston Inc. | Automotive & Electronics Stamping

Micro Stamping Corp. | Medical & Precision Components

SECO Seals, Inc. | Aerospace Seal

Cowden Metals / Trend Technologies, Inc. | Automotive, Electronics, Metal Stamping

New Gordon Industries | Aerospace Tooling & Production

## SERVICE MODEL

- Remote CAD/Design Services with U.S.-based On-site Support Available
- Project-Based, Retainer, or Long-Term Consulting Options
- All Work Confidential – NDA-Ready
- Full Documentation, BOMs, Prints & Support Materials Provided

## IN CONCLUSION

With a proven track record spanning over four decades, I bring a unique blend of hands-on experience, engineering innovation, and practical manufacturing insight to every project. My mission is to support American manufacturing by helping companies design, build, and maintain reliable, cost-effective tooling and production systems. Whether your needs involve new tool development, production optimization, or workforce mentorship, I am committed to delivering precision solutions that generate real results. I welcome the opportunity to discuss how I can contribute to your organization's success.

## LET'S WORK TOGETHER

Whether you're launching a new tooling project, improving existing tooling, or mentoring the next generation, I offer precision support to elevate your operations.

Joseph M. Littell

Independent Consultant | Tool & Manufacturing Engineering

jlittell@littel-design.com | (714) 749-7740 | [www.littel-design.com](http://www.littel-design.com)

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in summary of littel Design & Engineering Proposal

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SECO Seals, Inc. | Aerospace

Seal

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Technologies, Inc. | Automotive, Electronics, Metal Stamping

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