

Douglas Lee

Project Engineer Filling and Packaging - Campbell Soup Company

Langhorne, PA - Email me on Indeed: [indeed.com/r/Douglas-Lee/3d016232a0fca304](https://www.indeed.com/r/Douglas-Lee/3d016232a0fca304)

- BSME with experience in high speed food and beverage manufacturing
- Strong expertise in robotic operations
- Strong background in capital project development, costing, implementation, and startup
- Possesses a strong mechanical & technical aptitude adept at designing and understanding processes & systems
- Ability to leverage technology to drive business results combined with excellent customer and supplier interface

PROFILE

Project Management:

- Capital project development
- Cost analysis
- Design and implementation
- Startup
- Manages internal/external resources
- Project control (SOP's and JSA's)
- Customer interface

Process:

- Reliability improvement
- Prototype construction
- Qualification testing
- Experimental orders and reports
- Design of quality metrics programs
- Quality interface

Equipment:

- Concept
- Specification
- Design
- Installation
- Startup/debug
- Troubleshooting

WORK EXPERIENCE

Project Engineer Filling and Packaging

Campbell Soup Company - January 2006 to Present

Responsible for high speed Aluminum juice line relocation with speeds at 1200 cpm
\$27M total capital

- o Led Filling and Packaging scope for relocation from Sacramento, CA to Paris, TX.
- o Managed external engineering firms and contractors during project development and execution.

o Responsibilities included:

- * Capital estimation and cost tracking
- * Equipment specification and FAT
- * Line design
- * Startup

• Led multi-year design and implementation of soup and beverage optimization across Campbell's North America

\$130M total capital

o Responsibilities included:

- * Filling and Packaging equipment changeover improvements
- * Expanding existing asset capabilities
- * Streamlining operational and scheduling areas
- Designed robotic warehousing system capable of producing mixed pallet goods for customer orders

\$8M total capital

o Evaluated current warehousing operation in order to develop conceptual automation solution.

o Led internal operations and engineering teams to optimize vendor solutions.

o System was capable of single and full layer mixed pallets with ability to expand and adapt to market conditions as customer ordering trends changed.

• Led capital program to rebuild Hydrostatic Cookers across all Campbell's North America plants

\$100M total capital

o Seven year program necessary to rebuild existing cooker assets.

o Evaluated new vs. rebuilt options across the network.

o Implemented fully automated process control systems, automated chemical control, vibration monitoring, networked camera system, and automated lube systems.

o Managed international equipment suppliers, internal and external engineering teams and contractors.

• Repurposed warehouse for Aseptic broth line installation

\$15M total capital

o Experience with Tetra based filling and packaging equipment.

o Implemented multi-line Fanuc robotic palletizing and stretch wrap cells.

• Worked with multi-disciplined team to design World Class commercialized bagged soup plant

\$100M total capital

o Implemented vertical form, fill, and seal equipment.

o Developed bag loader system to fully utilize chiller belt loading.

o Evaluated and installed X-ray foreign material and weigh equipment.

o Installed multi-line Fanuc palletizing and stretch wrap cells.

Owner

Lee Concepts LLC - January 1997 to Present

Specializing in residential and commercial landscape design and maintenance.

• Specializing in mobile marine repair (mechanical/electrical), detailing, parts and accessories.

Process Engineer

The Dial Corporation - May 2003 to January 2006

Led initiatives to improve reliability of manufacturing based equipment resulting in total annual savings in excess of \$500,000.

• Instituted Lean Manufacturing Principals across all manufacturing lines.

o Implemented Predictive and Proactive Maintenance methodology.

• cGMP (current Good Manufacturing Practices) certified.

- Led quality initiatives to ensure goods were of highest quality upon receipt.
 - o Developed quality metrics program to focus efforts within company, working directly with suppliers to eliminate downtime and increase throughput.
- Technical resource for plant manufacturing lines including key improvements, repairs, and installation for manufacturing lines.
- Responsible for organizing focus group meetings resulting in OEE increase from 48% to 82% on laundry detergent packaging line.

EDUCATION

B.S. in Mechanical Engineering

The Pennsylvania State University - University Park, PA

May 2003