



Senior Manufacturing Engineer

Warren, MI

Description:

Responsible for ensuring new vehicle product designs are manufacturable as well as in compliance to manufacturing requirements and General Assembly strategies. Provides a consistent voice of Manufacturing to Product Engineering for a given global architecture/style.

Responsibilities:

- Understand product design and communicate manufacturing requirements to product engineering.
- Communicate product info & requirements to Arch Leads and Program Execution
- Enforce compliance to General Assembly Strategies
- Execute & Verify Manufacturing Requirements
- Follow the Advanced Program Health Check (APHC) process for issue tracking and escalation
- Resolve issues with Product Engineering and Global Manufacturing Engineering
- Escalate deviations at Leadership Calls
- Conduct virtual studies/assessments throughout Vehicle Development Process
- Initiate / Conduct program Level 2 PFMEA workshops
- Participate in product peer reviews (ePeer Process)
- Document process & tooling requirements for regional execution and ensure compliance by all executing assembly plants
- Drive product designs with the lowest Base Engineered Content (BEC) and participate in BEC reduction workshops
- Communicate Lessons Learned to Global Integration Architects (Product TIE's) and Technical Process TIEs
- Develop & communicate program compartment level 2 build sequence
- Identify and communicate potential ergo issues to program ergonomist
- Attend IVER builds (mandatory) and Assembly Plant builds (as required)
- Act as IRT co-chair during IVER builds at PPO
- Act as the Global IRT co-chair and drive common solutions across the regions

Education Requirements:

- Bachelor's Degree in Engineering or Equivalent Experience

Required Skills, Abilities and Experiences:

- Previous work experience as a manufacturing engineer
- Excellent communication skills (verbal and written)
- Ability to make complex concepts/issues easily understood by non-proficient English-speaking peers
- Strong VIS Mockup skills
- ME Experience (Program Execution or Assembly Plant)
- Knowledge of VS Manufacturing Engineering processes and GM Systems, including MPS, VAA, MRDB, E2, Auros, FIT, GLP, VDP, PRTS, and LMS.

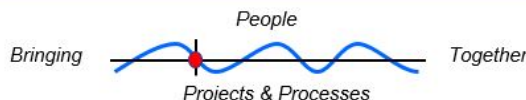
Preferred Skills, Abilities and Experiences:

- Previous work experience as a compartment manufacturing engineer

Daily Responsibilities

- Working with the product engineers to confirm that the product designs can be assembled by manufacturing
- EX: Must be able to pass clearance checks, checking to make sure that manufacturing can build the product as designed
- 30% of the day is in meetings with product engineers

♦ OVERALL PROGRAM / PROJECT MANAGEMENT
 ♦ MASTER PROGRAM / PROJECT SCHEDULING
 ♦ TECHNICAL SUPPORT / CONTINUOUS IMPROVEMENT
 ♦ ENGINEERING / FABRICATION / TESTING / LOGISTICS
 ♦ INSTALLATION / QUALITY / INITIAL ACCEPTANCE
 ♦ COMMISSIONING / LAUNCH / FINAL ACCEPTANCE



STAMPING / PRESSES / MILLS ♦
 BODY SHOP TOOLING / AUTOMATION ♦
 PAINT FINISHING SYSTEMS ♦
 GENERAL ASSEMBLY TOOLING ♦
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- Another 30-40% would be checking design math
- Another 30% of the day might be spent working on other special issues that arise. Working on FMEA

Required

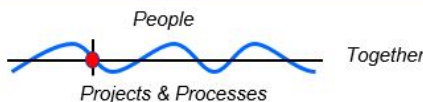
- Communication skills (verbal and written skills)
- Strong mathematics skills. Reviewing a summarized VIS-Mockup viewing software of NX (product design).
- Manufacturing engineering experience. Understand the assembly, how things are put together, etc.
- Bachelor's degree in engineering is required (mechanical, industrial, or electrical) preferred.
- Ability to understand technical complex concepts
- Candidates MUST have 3-5 years of professional experience in manufacturing. The understanding of manufacturing and general assembly is critical to be able to perform successfully in this position. Need to be able to understand the build process to evaluate the product design.

Preferred

- Previous experience working at GM in General Assembly

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Bringing



Together

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