

Salman Mohammed

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Packaging Engineer.

Phone: (872)-203-3978

Education

Master of Science, Engineering and Industrial Management

Trine University, Angola, IN, USA |

Bachelor of Engineering, MECHANICAL Engineering

JNT University, Hyderabad, India |

Summary:

- Comprehensive knowledge of developing test procedures, schematic diagrams, and design specifications.
- Experience in testing systems using hydraulic, pneumatic, electro-dynamic, burner and environmental systems.
- Skilled in designing mechanical equipment by using AutoCAD.
- Experience with automated packaging equipment, packaging materials/components, and testing packaging integrity.
- Knowledge of Six Sigma, Lean Manufacturing and TQM methodologies as well as of the Globally Harmonized System (GHS) for classification and labeling of chemicals.
- Worked closely with hardware (mechanical/electrical) and software teams on system integration and bring up.
- Excellent working skills with computational software such as MATLAB, C, PYTHON.
- Identified, implemented and support changes in processes and assembly while continuing to maintain a compliance with the FDA, ISO and regulatory.
- Operated packaging performance test based on ISTA 1, 2,3,4,5,6 and 7 series for product packaging improvement and quality control.
- Designed and executed the distribution conditioning per ASTM or ISTA standards.

PROFESSIONAL EXPERIENCE:

SGS Consumer Testing Services

May'17- May'20

Packaging Engineer (Packaging and Hardline Materials).

Fairfield, USA.

- Providing instructions to others on Lean, Six Sigma, Industrial Engineering principles and tools through small group mentoring.
- Oversee and manage complete packaging development process, including the creation of packaging designs, prototype development, and performance testing.
- Completed lab testing based on ISTA, ISO, TAPPI and ASTM to support package development.
- Troubleshoot new and existing packaging problems involving designs, materials and processes and provide creative, timely, and cost-effective solutions.
- Develop comprehensive project plans to be shared with clients as well as other staff members, Use and continually develop leadership skills.

- Receive Plans and RFPs from owner, CM or architect, assisted in preparing, tracking and distributing RFIs, reviewing Submittals, processing vendors and suppliers contract documentation, and facilitating any missing contract documents.
- Inspecting project sites to monitor progress and commitment in compliance with design specifications, safety protocols, quality and owner standards.
- Maintaining and updating project schedule using Primavera p6, by monitoring project progress and coordinating activities. Assisted in quantity takeoff of materials, equipment, and labor according to requirements of the project.
- This position consists of extensive hands-on mechanical laboratory Instron testing involving tension, compression and torsion testing.
- Participate as part of the laboratory staff; plan and perform experiments that support new product or technology feasibility testing.
- Lead and coordinate, review and approval of DHF documentation created by internal and external partners, including product requirements, schematics, code, verification and validation test strategy, protocols and reports.
- Knowledge of QSR: FDA 21 CFR 820 and ISO 13485 requirements and knowledge of international Standards: ISO 9000, ISO 13485, ISO 14971.
- Fulfill EU MDR (design control requirements); examples: detailed design files, design verification, and validation test plans, risk management, DHF, protocols, and reports by company procedures and EU MDR guidelines.
- Analyze engineering drawings and specifications of product to determine physical characteristics of item, special handling, environmental and safety requirements, and types of materials required for packaging.
- Experience with automated packaging equipment, packaging materials/components, and testing packaging integrity.
- Physical properties testing on papers, plastic films, foils, paperboard, and corrugated fiberboard products.
- Integrity testing of individual packaged-products and full palletized loads by conducting pre-shipment transportation simulations of Small Parcel Delivery services (UPS, FedEx etc.), Less-Than-Truckload (LTL) motor freight systems and other known distribution environments.

Equipment used:

Altitude & Environmental Chambers – Beach Puncture – Colorimeter – Compression Tester – Dart Impact – Digital Calipers, Height Gages & Micrometers – Edge Crush Tester – Elmendorf Tear – Free Fall Package Drop – Friction & Peel – Gelbo Flex – Gurley Porosity – Hydrostatic Head – Impulse Sealer – Incline Impact – Instron Tension & Compression – Stereoscopes – MIT & Schopper Folding Endurance – Mullen Burst – Page Flex – pH Meter – Precision Balances – Propagation of Tear – Sheffield Smoothness – Steel Rules – Stoll Abrasion – Sutherland Rub – Taber Abrasion – Taber Stiffness – Vibration Tables (fixed displacement rotary, random & sine).

Mitsubishi Electric India Pvt. Ltd.
Mechanical Engineer
Hyderabad, India.

Apr'14-May'15

- Air Conditioning Cooling Load calculations, Heat Loss calculations following ASHRAE codes.
- Chilled water pipe design and pump head calculation, selection of chilled water pumps.
- Site supervision of all Air conditioning works.
- Ensure that all HVAC site activities are conducted under controlled conditions as per shop drawings, method statements, and specification and work plan.
- Preparing technical proposals, papers and presentations for customers and conferences.

- Use AutoCAD to review isometric drawings and make any necessary changes.
- Using ISTA, ASTM and HAZMAT testing procedures, check package meet the transit and DOT certification requirements.
- Communicate with marketing, sales, customer services and clients regarding tests, reports, and technical information
- Operated packaging machinery that include troubleshooting, monitoring critical control points, and utilizing proper packaging for different products.

TECHNICAL SKILLS:

ISTA testing, ASTM Standard, UN-DOT package testing, Solid Works, AutoCAD, Microsoft Office, Project Management, Budget Development and Management, Schedule Development, Management and Compliance.

Additional Information:

- Knowledge of ASTM D, E and F series test methods.
- ISTA package standards, ISO 11607, ISO 9001, ISO 13485 & ISO 17665-1
- Experience of distribution test sequences by using ISTA, ASTM, DOT, IATA, ICAO and IMDG Hazardous Materials Regulations.

Certifications:

- ISTA Certified Packaging Laboratory Professional.
- Class 3 Forklift Operator Training Certification.

Memberships:

- International Safe Transit Association (ISTA)
- Institute of Packaging Professionals
- ISTA 6 Amazon.com

Salman Mohammad

- NJ, USA

Contact Information

- 6uq-rdf-giu@mail.dice.com (Preferred)
- 8722033978 (Preferred)

Work History

Total Work Experience: 6 years

- **Packaging Engineer | SGS Consumer Testing Services**
May 01, 2017 - May 01, 2020
- **Mechanical Engineer | Mitsubishi Electric India Pvt. Ltd**
Apr 01, 2014 - May 01, 2015 | Hyderabad India

Skills

- **business requirements** | 4yrs | 2020
- **drawing** | 4yrs | 2020
- **mechanical engineering** | 4yrs | 2020
- **qa** | 4yrs | 2020
- **reporting** | 4yrs | 2020
- **troubleshooting** | 4yrs | 2020
- **astm** | 4yrs | 2020
- **monitoring** | 4yrs | 2020
- **specification** | 4yrs | 2020
- **engineering** | 3yrs | 2020
- **fda** | 3yrs | 2020
- **industrial engineering** | 3yrs | 2020
- **iso 13485** | 3yrs | 2020
- **simulation** | 3yrs | 2020
- **data compression** | 3yrs | 2020
- **design controls** | 3yrs | 2020

- **distribution** | 3yrs | 2020
- **mit** | 3yrs | 2020
- **packaging engineering** | 3yrs | 2020
- **schematics** | 3yrs | 2020
- **design**
- **packaging**

Work Preferences

- Likely to Switch: Possibly
- Willing to Relocate: Yes
- Work Authorization:
 - US
- Work Documents:
 - Green Card
- Desired Hourly Rate: 35+ (USD)
- Desired Salary: 70000+ (USD)
- Security Clearance: No
- Third Party: No
- Employment Type:
 - Contract - Corp-to-Corp
 - Contract - W2
 - Contract to Hire - Independent
 - Full-time
 - Contract to Hire - W2
 - Contract - Independent
 - Contract to Hire - Corp-to-Corp

Profile Sources

- Dice:
<https://www.dice.com/employer/talent/profile/c23ea4b1ea300c35cdb13ac81ab9b43040bcd623>
- GitHub: <https://github.com/tsalman>