William (Billy) Torres

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Objective To obtain a leadership and challenging position, that provides me the opportunity to contribute on the development of methodologies, new

product designs and corporate objectives using my knowledge and expertise.

Education 2000 University of Puerto Rico Mayagüez Campus

Bachelor of Science in Mechanical Engineering

2000- 2001 University of Puerto Rico Mayagüez Campus

Master of Science in Mechanical Engineering - Completed all courses required for the MSME degree.

Experience 2011 – 2023 Microsystems UK - Medical Devices Manchester, UK

Technical Services Manager – Day to day support to customers initiatives and requests across America and Europe.

- · Customer Technical Support
 - Factory Acceptance Test (FAT) & Site Acceptance Test (SAT) Support
 - · Process development and process optimization at customer facilities
 - Troubleshooting for injection molding processes at customer facilities
 - Molds transfer & Molds replacement justification support
 - Technology implementation
- Process Improvement Projects
 - Technology research and implementation for cost and performance improvement
 - · Implement and analyze metrics for projects justification
 - Cost of quality analysis
 - Scientific approach integration
- Training
 - Develop training for scientific approach during process development
 - FAT/SAT documentation
 - Mold manuals development
 - Implement and analyze metrics for projects justification
 - · Cost of quality analysis
 - Scientific approach integration
 - · Request for Quote development (RFQ)
- Project/Program Manager
 - Quote development
 - Design Review
 - Budget Development and tracking
 - Plan development and tracking, progress reports
 - Cashflow analysis
 - Project presentations (online & on Site)

2009 – 2011 Covidien - Medical Devices Ponce, PR

Senior Tooling Engineer - Supplier Management, Materials

- Tools Relocalization Project Manager
 - Lead tools transfer project from Molders in the US to Molders in PR.
 - 300 tools transfer and qualification
 - Supplier based reduction (12 suppliers reduced to 2 suppliers)
- Tools Maintenance Program Manager
 - Develop replacement/repair program for Covidien own tools (@700 tools in total)
- Perform tools assessments at molders facilities
- · Prepare annual budget requirements based on gathered data

2004 – 2009 Cooper Vision - Medical Devices Juana Diaz, PR

Principal Engineer - Advanced Manufacturing Technologies

- Injection Molding Focus Group
 - Corporate team for injection molding technologies and troubleshooting discussions.
 - PR facilities representative.
- Torics Automation Project Manager
 - Development of a new 8 cavities line design for Juana Diaz facilities.
 - Integration of new and existing technologies for the manufacture of contact lens.
 - New IMM selection for project application.
 - In charge of the 8 cavities direct feed, RS mould design including Moldflow analysis.
 - Developed URS for Line Automation.

Senior Engineer - Technology Innovations

- Strip Blister Packaging implementation Project Leader
 - Worked on the Mould design for 32 cavity tools.
 - Development of CER for five 32 cavity tools.
 - Participate on Mould builder & Custom Molder (suppliers) selection process.
 - Development of projects plans & reports for management team.
 - Performed FAT at UK & USA supplier facilities.
 - Responsible for custom molder qualification of the molding process (gage R&R & PPQ).
 - Worked on the selection critical part dimensions and inspection method.
- Injection Molding Suppliers Support
 - Main contact between PR facilities and all IM suppliers (mould builders & custom molders).
 - Evaluation and approval of process and tooling changes.
 - Guidance of process improvements projects on custom molders facilities.

- Implementation of a scientific approach for process optimization and troubleshooting at custom molder facilities.
- Aspheric Round-edge 8 cavities implementation Project Leader
 - Introduce Aspheric products 8.8 plus, 8.9 & 8.6 minus on the 8 cavities (BOY IMM) lines at Juana Diaz Facilities.
 - Determines project Scope, cost estimates, schedules and resources.
 - Project management through the project life cycle. (Planning, organizing, directing and controlling), includes both internal and external resources (contractors).
 - Worked on building expansion new lines installation, process setup & validation (ECR, SOPs, IQ/OQ, PPQ, personal training).
 - Install & qualify new QA stations (Optimec, Vertex & CT gage).
 - Purchased new 8 cavities tools and performed FAT at UK supplier facilities.
 - Coordinates the approval of the selection of new contractors (system developers and integrators).

• Huntsman Trials

- Development of new process setup for the implementation of new material (resin) at existing manufacturing line (injection molding).
- Increased product quality, lower cycle time, used existing tooling design.
- Worked with the R&D and AMT groups, in order to achieve the successful implementation of the project across the
 organization.
- Results analysis and project presentation for staff review and project acceptance.

· Blister Regrind

- Cost improvement project (CIP). 6 months ROI.
- Development of idea from brainstorming to manufacturing line runs.
- Used a scientific approach to prove virgin & regrind material equivalence.

• Process Technician Academy

- Teach Injection molding concepts to new hire & current manufacturing process technicians
- Introduction to Plastics Materials
- Introduction to Injection Molding Machines (BOY, Netstal & Battenfeld)
- Introduction to Injection Molding Moulds
- Ancillary equipments
- Introduction to Injection Molding Process
- Universal Molding (Scientific / Decouple Molding)
- Trouble shooting

2002 – 2004 Alcan Packaging (Wheaton Plastics) – Custom Molder Cayey, PR

Process Engineer

- Process setup and optimization (DOE, Scientific Molding, Capability study, Gage R&R, etc.) of existent and new tools.
- Six Sigma projects leader.
- Process improvement projects.
- Tool transferring projects.
- Training of technical personal for injection molding process.
- Design and implement validation system for machinery and auxiliary equipment.
- Develop procedures and work instructions to facilitate the manufacturing process and comply with the quality system "ISO 9000".
- Environmental Management System Collaborator ISO 14001.
- Handle and management multiple projects, as justifications of resources and machines.
- Cost reduction projects and activities.
- Preventive maintenance programs.
- Customer's quality and process audits.
- Customer's non-conformance investigations.
- Customer's account management (process, quality and scheduling).
- Milling CNC programming (g-code).
- Injection Molding Machine and auxiliary equipment selection.
- Plant floor design.
- Job description developer.
- Production metrics developer.
- Machine rate calculation.

2001 HDI – Plastic Industry Consultants Bayamon, PR

Injection Molding Consultant

- Injection Molding Process training (Stryker, Filtertek, General Electric, Vassallo).
- · Introduction to plastics materials.
- · Calculation of sizing and specs for machines and auxiliary equipment.
- Calculation of machine and process parameters.
- Experimentation of rheology curves.
- Introduction to DOE.
- Troubleshooting.
- Universal Molding book editor.
- Supervisor experience.
- Apply DOE for process optimization.
- Ultrasonic welding
- Injection Molding Machines: Engel, Nigatta, Van-Dorm, Cincinnati, Netstal and Nissie.

2001 Summer Security Plastics - Custom Molder Rio Grande, PR

Thesis Project- Optimization of the injection Molding Process with Universal Molding Technique Optimization procedure for the injection molding process:

- Clamping calculation.
- Barrel temperatures.

Material drying, injection, holding and cooling phases.

2001 Stryker Puerto Rico - Medical Devices Arroyo, PR

Coop Student / Engineering Department

- Quality Control tests for manufacturing lines.
- Fixtures designs (PRO/Engineer).
- Equipment validations (IQ, OQ, PQ)

Training

Master Molder (80hrs) RJG Traverse City, MI

- Process Development using Decouple Molding techniques
- Process Documentation
- Data interpretation

TA Instruments (24hrs)

TA at Cooper Vision facilities

Juana Diaz, PR

- Differential Scanning Calorimeter (DSC) Basic Theory & Applications
- Thermogravimetric Analysis (TGA) Theory & Applications
- Rheometer Instrument Measurements vs Rheological Parameters

Six Sigma Black Belt (160hrs) George Group Millville, N.J

- DMAIC methodology
- Mastery of basic statistical tools
- Lead and direct teams in project execution

Leadership Effectiveness (40hrs) George Group Millville, N.J

- Increase leadership skills
- Understand behavior styles

Validation Academy (200 hrs) Stryker Puerto Rico Arroyo, P.R

- Capability Analysis
- SPC
- DOE
- FDA Regulations
- Protocols and Reports

Solid Works Essentials (32 hrs) Autoware Caguas, P.R

Fundamental skills and concepts for mechanical design automation software

Milling CNC Programming (20 hrs)

Alcan Packaging

Cayey, P.R

Basic skills and concepts for programming 3- Axis milling machine (G-Code)

PLC Elemental (24 hrs) JR Electronics Trujillo Alto, P.R

Basic skills and concepts for programming PLC Allen Bradley using RS Logix $500\,$

Skills

Good written and oral communication (English and Spanish).

Computer literate Word, Excel, Power Point, Project.

Ability to work under pressure, work in groups and interact with departmental teams and manage simultaneous projects.

Statistical Programs as Minitab and Statgraphics.

Experience in Solid Works, AutoCAD, Pro-E.

Familiarized with SAP program.

Familiarized with AS 400 program.

Experience in QSI system & GMP.