

## Petr Jansa

425 829-0583 [pjansal@yahoo.com](mailto:pjansal@yahoo.com)

Innovative Manufacturing Process Improvement Engineer with excellent track record of problem solving, by contributing to bottom-line results through inventing and implementing major cost savings opportunities in various manufacturing engineering disciplines. I enjoy excellent reputation as a Project Manager and leader, and for implementing innovative process and designs, to maximize productivity to increase product quality, productivity and overall organization effectiveness using Lean Manufacturing methods including Value Stream Mapping, CAPA, TQM to produce products in the most efficient manner possible.

### PROFESSIONAL EXPERIENCE:

#### **SEKISUI Aerospace Comp. Renton, WA.**

Sr. Manufacturing Engineer.

**Contract**

**02/2020 through 03/2020**

COVID-19 ended this contract.

**SEKISUI Aerospace** Auburn operations fabricate Aerospace interior structures, including air ducts system and assemblies using composite fabrication process. I was responsible for the final assembly department daily ME /QC support including developing new improved assembly methods and tooling to maintain and to increase quality product and greatly reduce scrap.

- Member of daily MRB team.
- Disposition rejected and non-conforming part.
- Determine failures and root cause.
- Create and communicate detailed solutions with each involved department.
- Designed, created, and implementing several SOP documents for critical parts handling and assembling processes.
- Utilized standard project management mythologies to independently manage small or medium sized project or, assisted in the management of large, more complex project.
- Identified and managed resources requirement to meet schedules and objectives.
- Accountable for managing project scopes, time, quality, and budget to meet objectives and deliverables.

#### **AIMS Aerospace Comp. Auburn, WA**

Sr. Q.C. / Manufacturing Engineer.

**Contract**

**04/2019 through 12/2019**

**AIMS Aerospace**, Auburn operations fabricate Aerospace air ducts system and assemblies using composite fabrication process. I was responsible for the final assembly department daily ME /QC support including developing new improved assembly methods and tooling to maintain and to increase quality product and greatly reduce scrap. Member of daily MRB team.

- Member of daily MRB team.
- Disposition rejected and non-conforming part.
- Determine failures and root cause.
- Create and communicate detailed solutions with each involved department.
- Worked directly with QC Department to communicate non-conforming parts to assembly personal.
- I was an active lead in problem resolutions as issues arise.
- Performed study and reviews per existing assembly procedures, followed by drafting preliminary improvements for approval.
- Designed, created and implementing several SOP documents for critical parts handling and assembling processes.
- Utilized standard project management mythologies to independently manage small or medium sized project or, assisted in the management of large, more complex project.
- Identified and managed resources requirement to meet schedules and objectives.
- Accountable for managing project scopes, time, quality, and budget to meet objectives and deliverables.

**Ingersoll Rand Comp. Kent, WA**  
Sr. Manufacturing Engineer.

**Contract, 04/2018 through 03/2019**

- **Ingersoll Rand, Kent, WA Division** fabricates Industrial Lifting Equipment. Pneumatic and electrical hoists, air balancer and many additional products related to the industry. My duties included but not limited to:

My daily duties were separated into two parts; first part of the workdays was spend supporting the MRB Department.

- Disposition rejected and non-conforming part.
- Determine failures and root cause.
- Create and communicate detailed solutions with each involved department.
- Worked directly with QC Department to communicate non-conforming parts to our vendors.
- I was an active lead in problem resolutions as issues arise,
- During my contract our team was able to reduce MRB inventory by a significant margin including resolving several major assembly issues.

My second part of the workday was spend supporting sub-assy including final product assembly and testing cells.

- Performed study and reviews per existing assembly procedures, followed by drafting preliminary improvements for approval.
- Designed, created and implementing several SOP documents for critical parts handling and assembling processes.
- Utilized standard project management mythologies to independently manage small or medium sized project or, assisted in the management of large, more complex project.
- Identified and managed resources requirement to meet schedules and objectives.
- Accountable for managing project scopes, time, quality, and budget to meet objectives and deliverables.
- During my 9 months contract, I was able to generate over 12 separate SOP/ WI.
- Trained assembly personal for new released SOP/WI documents, including tutoring assemblers per basic and advance manufacturing methods and requirements.
- Designed, fabricate and implemented 22 separate tools and fixtures to support assembly.
- Created several improved and new assembly methods and functions.
- Significant reduction in the assembly cycle time was recorded, including great improvement in final product quality.
- Implemented several safety devices including practices on assembly line to reduce possible injuries during fabrication.

After successfully completing my contract with Composite Solutions, I decided to go on a prolonged vacation and finish up several side projects, which I have been trying to complete for long time from 2015 through 2018.

**Composite Solutions Inc. Auburn, WA Contract, 07/2014 through 01/2015**  
Manufacturing Facility Relocation Program Manager.

**Composite Solutions** design and fabricate high strength, light weight composite structures and components using high temp process utilizing BMI epoxy composite for aerospace and defense programs.

My only responsibility and duties were to manage all aspects of relocation project of company's present (35,000sq.ft.) into their new 108,000sq. ft. state of the art manufacturing facility.

- Beginning with obtaining RFQ from over dozen vendors/contractor that support this huge project.
- I was responsible for coordinating and managing everyday operational actions including scheduling and leading biweekly meeting with outside vendors to maintain schedules and costs.
- Responsible for comprehensive daily reports directly to General Manger.
- Created configuration of preparation and disconnecting mechanical, electrical, NIT, hydraulics, vacuums systems, to present fabrication machinery and tools.
- Machinery consist of 14'od x 30'lg, 80,000 lbs. Auto Clave, Large walk-in gas ovens, Large Paint and Dry Booths, several finish cells, 5 X CNC, complete tool/machine shop including several fabrication cells.
- I managed all of the construction work from internal to external facility. Removing and reconstructing walls, ceilings and floors, disposal of old machinery and equipment, removal of all vacuumed air lines, compressor rooms, and all the dozens of additional custom tools/machineries installed over the 22 years of operating.

- Additional duties included support in installing equipment in Composite Solutions new facilities.
- Performed several IQ and PQ documents.
- Designed and implemented Hazardous Material Handling Standard Operating Procedures (SOP). This procedure resulted in large cost saving in the use and handling of Flammable Hazardous Material. Designed and implemented None Conforming Vendor Tooling Disposal, Standard Operating Procedures (SOP).
- The complete project was on schedule, with- in the budget and there were no major mishaps or failures due to our excellent team planning, team preparation including the support of all 14 separate vendors' involvement and executions of this project.

**Custom Control Concepts, LLC Kent, WA      Contract,      04/2013 through 06/2014**  
Sr. Q.C. / Manufacturing Engineer.

- CCC LLC design and fabricate custom entertainment equipment for commercial and private airline industries.
- Creating new SOP and updating existing documents, including WI. I have completed total of 22 new SOP's including 12 new WI documents. All documents were implemented into the manufacturing system.
- My additional duties included replacing existing inefficient manufacturing tooling calibration system and replaced it with new and more efficient system which resulted in considerable reduction of labor.
- Performed weekly manufacturing quality audits.
- Set-up and implemented MRB/Disposition Items Control SOP.
- Qualified FAI, First Article Inspection for metal, plastic parts including wire/cables assemblies.
- Sr. Member in charge of the Quality Correction Team that monitored production failures using the Pareto Charts System.
- Lead member of the Integrated Product Teams (IPTs) that integrate technical solutions across multiple disciplines.
- Implemented several technical solutions, tooling and assembly methods in cable/wire assembly Department that resulted in a substantial increase of the final cable/wire sub-assembly quality, reduced assembly time and increased our yield.
- Designed and implemented cable cell operational layout, followed by design of several fabrication tools, implemented single point assembly.
- Additional duties included implementations of 5S principals, Lean Manufacturing and Continuous Improvements including CAPA.
- I was given the responsibility and opportunity to design the new manufacturing facility floor layout for the additional 25,000 sq. ft. \$1.6 million dollars manufacturing facility expansion. New Facility Floor Layout included:
  - CNC Machine Shop (total of 8 CNC's, including all incoming material process machinery),
  - Alodine Coating Cell including Powder Coating area.
  - Design and implementation of 3D Printing Cell, including several designed and fabrication of secondary assembly, total of 7 printers,
  - PC Board fabrication facility, from solder printing, Pick and Place and Re-flow oven processes.
  - Designed Critical Optical Assembly Manufacturing Cell, including several WI.
  - Drafter and released total of 3 separate SOP documents related to critical optical handling, surface cleaning and packaging.
  - Drafted several IQ and PQ protocols that were performed and implemented.
  - Design several secondary tooling for 3D Printed Ultem parts that resulted in substantial labor time reduction and increased product quality including production yields.
  - Converted several aluminum parts fabrications from 100% CNC fabrication to extruded parts with only 15% of second machining operation, resulting in cost saving of \$60,000.00 annually.

**Composite Solutions Inc. Auburn, WA      Contract      06/2012 through 03/2013**  
Program Tooling Manager.

- **Composite Solutions** design and fabricate high strength, light weight composite structures and components using high temp process utilizing BMI epoxy composite for aerospace and defense programs.
- Coordinate tooling and processes for over 75 different parts for the Honda Jet Commercial Aircraft.
- Tooling program manager responsible for all aspects of mold design, trim fixtures, fabrication assembly fixtures, including quality process tooling and procedures.

- Managed and directed secondary assembly processes including all documentations and assembly instructions.
- Heavy daily interface with outside vendors, CNC shops and toolmakers.
- Coordinate with tool suppliers for schedule performance.
- Managed and coordinated project schedules data spreadsheets, interdepartmental meetings.
- Conduct weekly status meeting for team input.
- Provide a weekly project status summary meeting to Sr. Departments Managers.
- Provided technical guidance to other personnel in other technical, administrative, and support functions, when participating in the development of the organizations overall manufacturing process

**ST. Jude Medical, Portland, OR**

**Contract**

**01/2012 through 05/2012**

Manufacturing / Quality Support Engineer.

This branch of ST Jude Medical is developing and manufacturing Peripheral Nerve Stimulation (PNS) products. This branch manufactures micro wire for micro cable sub-assemblies. I was given the task of supporting the QCIP Team in clearing up a huge back log of CAPA projects and documents.

- Reviewing and up-dating of Process Validations Protocols,
- Reviewing and up-dating Master Validations,
- Reviewing and up-dating Manufacturing Assembly Work Instructions,
- Reviewing, updating and drafting IQ, OQ, PQ, and PPQ documents.
- The company was being audited by Federal Auditors which resulted in huge workload for small staff with an inefficient time cycle, but the team managed to complete the task on time.

**Cascade Gasket, Kent WA.**

**Contract**

**03/2011 through 10/2011**

Manufacturing Process Engineer.

Reporting directly to Cascade Gasket Inc. General Manager, I was hired as a consultant engineer to support CAPA programs. Responsibility and duties include but not limited to:

- Develop and implement production tooling and methodologies.
- Implemented of Lean Manufacturing and Value Stream principals.
- Developing and implementing of Lean Manufacturing processes to improve efficiencies, increase productivity and to improve quality.
- I did complete 18 different CAPA programs, beginning with review of each program, followed by designing support tooling, created all the necessary WI, trained production personal.
- Validated standard work and identified opportunities for improvements.
- Redesign total of 3 separate packaging systems and reducing the total parts from 7 to 4, cutting assembly time by 75% with \$13,000 saving in parts alone.
- Designed and implemented new Wet Wash Cell for cleaning molded rubber parts which resulted in an annual saving of over 50,000 gallons of H2O including 35%+ less washing cycle time.
- Both the Wet Wash Cell and the Dry Cell resulted in a substantial reduction in H2O consumption during wash and substantial reduction in electrical usage during the drying cycle.

**CoAptus Medical Inc. Redmond, WA.**

**Permanent Position**

**02/2009 through 12/2010**

Sr. Manufacturing Process Engineer.

**CoAptus Medical Corporation** was developing a non-implant, therapeutic catheter device to coapt the tunnel tissues closed by applying RF energy for a permanent seal. Nothing is left behind in the heart after the procedure is completed. I worked directly with **David Auth, Inventor** of Rotablator and founder of Heart Technology. My responsibility as the Sr. Manufacturing/Process Engineer was to support total of 3 senior R/D engineers and reporting directly to the Vice President of operations. Addition duties included:

- Design and development of assembly fixtures and processes to support several builds for the animal trials and tests.
- Prepared work schedules and work requirements.
- Create and maintain technical work instructions, design test plans and test tooling.

- Performed product and process Statistical Controls data analysis.
- Over 37 assembly fixtures and tools were designed tested and implemented in a very short period of time.
- Well over 30 different processes were developed and implemented including 7 different adhesives applications were used throughout the assembly process.
- Create and maintained technical WI and SOP. Total of 42 documents were generated.
- Several product test plans including tooling testing protocols were created.
- Set up state-of-the-art Digital Imaging Station, for generating manufacturing WI an SOP.
- Provided technical guidance to other personnel in other technical, administrative, and support functions, when participating in the development of the organizations overall manufacturing process

**Vaupell Plastic Inc. Seattle, WA.**                      **Permanent Position**                      **03/2006 through 12/2008**                      Sr. Project Manager, Tooling

- **Vaupell Plastic Inc.** produces precision injection molding thermoplastic components for the aerospace and defense industries.
- I was responsible for managing up to 13 different products lines, that produced high tolerance, high quality injection molding resins interior components for Boeing 787, 777, 737 line including Airbus A380.
- My responsibility included, finalizing part configuration designs, control mold design and fabrication.
- Design secondary operation tooling, total of 8 tools and reduction of secondhand operations by 50%
- Scheduled production runs, First Articles Inspections and second operations,
- Developed and created assembly procedures including assembly tooling.
- Control daily tooling fabrication and final release into manufacturing production system.
- Trained and motivate production assembly personal.
- Heavy daily customer (Boeing and Air Bus) interface and support with multitask in an extraordinary fashion.

**Hexcel Inc. Structure Kent, WA.**                      **Contract**                      **04/2005 through 02/2006**  
Tooling MC Mold Program Manager.

- **Hexcel** produces precision composite parts for the aerospace and defense industries using the Hexcel MC compression.
- Managing customer part design, product documents, tooling/mold vendor selections, orders and implementations of composite material compression molds for Hexcel MC Program.
- I was responsible for obtaining molds RFQ, followed by selection of vendors for mold tooling fabrication.
- Managed fabrication of 58 molds at values of over \$2,200.000.
- Control date-to-date mold fabrication form 5 different mold makers throughout US by weekly design and progress meeting by teleconference.
- Receiving molds performed FAI on molded parts prior release into production.
- Drafted and released Tool Statement documents.
- Finalized and released all the necessary production WI documentations.
- Creating and maintained progress and status report in a form of spreadsheets.
- Maintained critical mold re-work process including in-house maintenance SOP's.

**Cascade Gasket, Kent WA.**                      **Contract**                      **09/2003 through 03/2005**  
**Sr. Manufacturing Engineer, Departmental Manager.**

**Cascade Gasket** is a custom compression rubber/silicon gasket manufacturing company for aerospace, defense and general-purpose product companies. I was a pivotal member for implementations of Lean Manufacturing Principals including ISO 9100 design team, reporting directly to the General Manager. Our team of 5 started to implement the ISO 9100 system in July of 2004. On January 5th, 2005 Cascade Gasket (CG) received their certificate after the very first audit. My duties and responsibilities included:

- I was responsible for design of numerous manufacturing support tooling/fixtures, test fixtures and test protocols.
- Generated and implement manufacturing SOP and WI using the lattes in Digital Imaging.

- I was given the opportunity to manage each major fabrication shop throughout CG to study the existing process to eliminate problems and errors and to replace it with more efficient process. Managed 4-person Tool Fabrication and Machine Shop, managed 13-person Water Jet Fabrication Cell, Assembly Cells, QC Department as well as the inventory facilities including incoming and shipping SOP's. Managed cost reduction team.
- Coordinated and implemented Lean manufacturing including, building and setting up new Cellular flow areas.
- Developed and conduct training relating to safety, process, and production tasks including Lean Manufacturing Principles.
- Lead designer of new products, including creating business plans and business proposals.
- Best cheerleader and support of healthy and happy workplace.
- In 2004 CG annual quality rating was at 97%, today it is up 99%. In 2004 CG on-time delivery was 96%. In October 2005 our on-time delivery was at 99.8%.
- During my contract with C.G. I designed and implanted well over 100 supporting tooling and processes, resulting in enormous cycle time reduction in production, and at the same time greatly increasing the quality of the final product,

**Medtronic's Inc. Redmond, WA.**

**Contract**

**10/2001 through 08/2003**

Manufacturing Process Engineer.

- **Medtronic's** develops and manufactures defibrillators.
- Implemented numerous modifications to existing manufacturing methods and procedure, generating SOP.
- Developed and conduct training relating to safety, process, and production tasks.
- Several conversion of machined aluminum parts into injection mold parts, resulting in piece parts cost savings including reduction in parts handling.
- Design several molds for electrical cables pins connection encapsulations. New vendor selection for new cable fabrications.
- Redesigned shipping packaging enclosures for 5 separate products with commonality of parts, resulting in reduction of 7 parts, therefore reducing assembly time, parts cost and reducing floor space. Minimizing the administrative cost as well.
- I was a member for the Cost Reduction Team.
- Set up state-of-the-art Digital Imaging Station, for generating manufacturing WI an SOP.
- Total cost saving throughout numerous projects reached well over \$300,000.00 including significant cost saving by greatly reducing the manufacturing labor cost.

**Quinton Medical Instr. Bothell, WA.**

**Contract**

**06/1999 through 08/2001**

Tooling Designer.

- **Quinton Medical Instrument** develops and manufactures medical catheters. My duties and responsibility included:
- Lead Tool Design Engineer for design and implementation of automated tooling for manufacturer of several types of Medical catheter.
- Review of processes and manufacturing procedures.
- Performing validation for tooling and processes prior released to manufacturing.
- Design of injection molded parts and secondary assembly tooling.
- Implemented UV curing system Cell and provided all the necessary testing including validations.
- Provided technical support to Research/Development departments.
- Provided technical training to assembly personal.
- Supported the design, relocation and implementation of Quinton's new 15,000sq. ft. clean room assembly's facilities, including all the necessary SOP documents.
- Set up state-of-the-art Digital Imaging Station, for generating manufacturing WI an SOP.

- **Baxter Healthcare** develops and manufactures Artificial Human Left Ventricular Pump.
- I was responsible for transferring prototype part into state-of- the- art manufacturing of an Artificial Human Left Ventricular Pump.
- Managed all interface with R/D engineering and production personnel to develop and design new production tooling and processes.
- Designed and managed several compressions molding tooling for polymer department.
- Created documentations for production scheduling and fabrication requirements.
- Implemented methods and procedures to reduce fabrication lead-time and increase quality of the final product.
- Trained all operation personal for G.M.P. and T.Q.M. principals and methods.
- Designed and implemented total of 68 various tools, fixtures and methods that resulted in significant increase in manufacturing yield and quality, while reducing assembly time by 120%.

**EDUCATION:**

- Bay Valley Technical Inst. Associate Degree San Jose, CA
- G.M.P. Including Federal Standards, GMP and Good Documentation Practices.
- ISO 9001:2000 and AS9100: 2004 Training.
- Lean Manufacturing Principals. TQM, Cellular Flow Design, 5S Standards Study and training

**PROFESIONAL REFERENCES:**

- |   |                      |                           |
|---|----------------------|---------------------------|
| 1. Anthony Perugini, Manager Engineering. | AIMS Aerospace Comp. | 425-902-6232/425-235-2750 |
| 2. Ryan Staudacher, Manager ME/QC.        | Ingersoll Rand Comp. | 206-445-5359              |
| 3. Jenn Nordike, Manager, QC.             | Cascade Gasket, Inc. | 253 854-1800              |

**Personal Information:** (addition information per mds-jansa.com)

- Born in Czechoslovakia.
- Proud father of 3
- US Navy veteran, Vietnam Evacuation.
- Award winning Photographer.
- Accomplished River Guide / Fisherman.
- Community Support. Seattle child.