**Steve Tucker 317-728-7548 (Cell)**

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**Profile: Manufacturing Industrial Engineering / Lean Manufacturing / Continuous Improvement**

My professional career reflects over 20 years experience in process analysis, design, layout, and implementation of flow manufacturing utilizing elimination of waste principles focusing on customer value, kaizen, 5S, standard work (variation), job standards (time study / rates), work-force utilization, process efficiency, material flow, line balancing, value stream maps, ergonomics, project management, new product development & validation, capital projects, Lean training, and quality assurance in “hands-on” highly competitive manufacturing environments.

Detail oriented with an ability to identify when a sense of urgency is needed combined with a creative, conceptual, and Lean Thinking mentality. Leadership has been utilized in union and non-union environments, within small corporations, not-for-profits, contract manufacturing as well as in Fortune 500 companies.

**Professional Experience & Significant Accomplishments:**

**Unique Fabricating, Inc. - LaFayette, Georgia 03/16-11/16**

**Process Engineer (Continuous Improvement)**

* Primary responsibility as Continuous Improvement Leader was improving efficiency, yield, and reducing costs to meet year end goal of $600K for Plant 8 (Georgia) facility. I managed the highest month for Plant 8 cost savings to date in July 2016 for $161,000. Included managing Engineering Technician position dedicated to CI.
* Created and updated Control Plans & Routings using MPACT and PTS software. Unique is a tier 1 & 2 supplier.
* Maintain AutoCad plant layout drawings and design layouts for improved flow and efficiency.
* Facilitated Lean kaizen events and instrumental in revitalizing 5S initiative.

**Goodwill Commercial Services - Indianapolis, Indiana 09/08-10/15**

**Manufacturing Industrial Engineer (1099 Contractor)** 06/15-10/15

* Changed job status from full time to 1099 contract position to facilitate transition move to Georgia.

**Lean Engineer** 01/14-05/15

* Engineering responsibilities did not change. The promotion was to a Commercial Services Staff position, included a directive on Lean, formal corporate bonus pay, and serving on the Business Development team.

**Manufacturing Industrial Engineer** 09/08-12/13

* New customer/product start ups in accordance with DMAIC and Lean principles including work flow, creating work instructions, conducting time studies, creating job standards, and developing Lean training support materials as well as verification of KPI such as productivity, yield, and standard work compliance.
* Analyze work-force utilization, plant layout optimization (AutoCad), and operational data such as efficiencies, labor variances, and production costs to determine and initiate poke yoke type continuous improvement.
* Responsible for current customer and new business quoting process. Included meeting with current and potential customers. Revenue for current and new business (eight in 2014-15) totaled over $750K.
* Facilitating PFMEA’s (with Quality Manager), ISO Team Feasibilities, and Contract Reviews.
* Component & Finished Good item set ups in Microsoft Dynamics AX (ERP) which includes BOM's and Routes.
* Provided Lean training and facilitated 5S and Standard Work kaizen events in support of Lean initiative.
* ISO 9001:2008 Management Review Team member which includes 3rd party audit responsibility.
* Represented Goodwill as a member of the Wabash Valley Lean Network ([www.wvln.org](http://www.wvln.org)). Served on the Steering Committee for 6 months.
* Managed Covance assembly redesign to integrate "Filler" and "Folder" operations so Fillers direct feed Folders. Assembly process changed from batch to flow with in-process kanban. One material handler was redeployed ($16K). Implemented signal flags which created visual signals versus operators "calling" for assistance.
* Facilitated standard work team for EHOB 1025 Mattress process. Performed Lean training. Efficiency increased from 75.3% to 90.4% in first year which equated to $42,000 in labor variance savings.

**Ingersoll Rand Company, Von Duprin Division - Indianapolis, Indiana 06/93-12/03**

**Process Leader** 08/02-12/03

* Managed, lead, and mentored 3 Process Engineers, a Quality Technician, and the Scrap & Rework Associate
* Established Lean priorities, coordinate, review, and champion Lean projects and assignments.
* Project feasibility and planning responsibilities with department budget of $750,000

**Senior Process Engineer** 07/98-07/02

* Developed, managed, and implemented the PackScan™ Quality Assurance Bar Code Scanning project to reduce pack errors in pushpad exit device assembly due to the costs of errors. This new technology increased pushpad productivity by $200K and reduced pack errors from 1.3% to 0.2%. The automatic backflushing enhancement reduced costs by another $31K.
* Project Manager for Total Process Flow Project involving the alignment of all manufacturing processes. Project resulted in a 15% reduction in plant inventory, increased kanban turnover rate 300%, and cost savings of $250K.
* Worked on or initiated & managed 12 successful capital projects.
* Developed ISO FG Recycle process that refurbished or recycled returns & canceled orders into inventory that will sell within 30 days. The result was an increase in FG inventory turns by 15% and cost savings of $225K.
* Primary role in 12 kaizen continuous improvement events. Lean training and facilitation responsibility for 3.

**Process Engineer** 06/93-06/98

* Core team member with re-engineering the pushpad exit device assembly process from batch to one-piece flow using Demand Flow™ Technology (Lean) to reduce passing defects and design quality into the process. Utilized product synchronizations, value stream maps, takt time, and sequence of events. Increased productivity by $400K, decreased defects by 33%, and reduced WIP by 75%.
* Responsible for assembly tools & fixtures including design, procurement, and troubleshooting.
* Experience in calculating kanban sizes and implementing pull replenishment systems.
* Primary team member of Trim ASRS material transfer control (MTC) project that reduced non-value added material handling by 33% and increased inventory accuracy above 99%.

**United Technologies Carrier Corporation - Indianapolis, Indiana 08/91-05/93**

**Manufacturing Industrial Engineer**

* Core team member of first facilitated 4-day kaizen event at Carrier and subsequent redesign of the 7127 High Efficiency Gas Furnace line. Responsible for redesign of indirect (sub-assy) feeders using Demand Flow™ Technology (Lean) into direct line feeders. Reduced in-process inventory by 90% and floor space by 60%.
* Redesigned Knoxville Electric Heat Department from traditional machine batch work centers into flexible manufacturing flow cells (cellular manufacturing) and implemented kanban for material replenishment.

**Education:**

**Bachelor of Science in Mechanical Engineering Technology**

Purdue University

**Additional Skills & Training:**

Lean Manufacturing, Demand Flow™ Technology (Lean), Wabash Valley Lean Network Member 2008-2014 ([www.wvln.org](http://www.wvln.org) - Subaru Plant Lafayette, Indiana), Accounting 401 & Organizational Behavior 410 (Butler University), The 4 Disciplines of Execution, 8D Root Cause Problem Solving, SPC, Six Sigma Black Belt Course Certificate from Villanova University, Established Leaders Series (9-month Goodwill Leadership training), Team Dynamics, Mistake-Proofing, PFMEA, ISO 9001:2008, Ergonomics, Visio, AutoCad, Microsoft Dynamics AX (ERP), AS400 (ERP), MPACT (Mfg. Planning & Control).