

Stephen Hadwin CMfgA

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Summary

Manufacturing/Operations/Facility/Quality/Engineering/M&A Executive and Board member experience at a Global level in medical devices (Dental and Orthopedic implants), surgical instruments and radiographic cone beam x-ray scanners. In addition to 25+ years experience specific to medical devices and FDA quality systems, I have worked in the automotive, telecommunications, consumer products and defense industries since 1976.

I Co-Patented and designed the IMTEC MDI (Mini Dental Implant) with Dr. Ron Bulard and Dr. Victor Sendax. My greatest accomplishment in life as it has helped over a million people and still counting - see "How to Place a 3M™ ESPE™ MDI Mini Dental Implant" YouTube video.

I would like to offer my "college of hard knocks" experience to teach students about manufacturing

Specialties: CNC machining/programming - Vertical and Horizontal Mills, Swiss-turn multi-axis lathes, Chucker lathes, Wire and Die-sinker EDM's, STL 3D Printing, and Waterjet machine tools. Lean Manufacturing, TQM, Green Belt Lean Six Sigma, Assembly, Automation, ISO systems, 3D SolidWorks Design Engineering and Regulatory compliance methodologies. I was an experienced Injection moldmaker for both plastics and aluminum products and a Journeyman Tool & Die Maker.

Experience

Adjunct Instructor (CNC)

Southern Tech

Sep 2022 - Present (3 months +)

Evening Classes

CNC Instruction/Inspector TITANS of CNC MACHINING

Aug 2022 - Present (4 months +)

Team member of CNC EXPERTS.com for the certification of CNC skills.

Semi-Retired Mfg. Professional

Hadwin Enterprise

Jun 2022 - Sep 2022 (4 months)

Instructor - 3D CNC Machining (Retired)

Southern Tech

May 2012 - Jun 2022 (10 years 2 months)

Teaching students how to develop and bring to market a product developed for manufacturing (DFM) using latest 3D Solid Modeling and manufacturing technologies. Check out the Facebook page for my department, be sure and "like" it. <https://www.facebook.com/SouthernTech3DCNCMachining>

Instructor - Design and Fabrication

Southern Tech

May 2012 - Jun 2022 (10 years 2 months)

Changed from Product Development Program to 3D CNC Machining Program in 2018

Instructor - Manufacturing Production Process Development Pathway

Southern Tech

Apr 2012 - Jun 2022 (10 years 3 months)

Changed name of program to Design and Fabrication about 2014

President/COO

Park Dental Research - established 1967

Jan 2012 - Apr 2012 (4 months)

Park Dental Research Corporation is a pioneering dental implant company established to research, design, develop, manufacture and market high quality devices. Over the past four decades Park Dental Research's product offerings transformed the landscape of implant dentistry. Working directly with the preeminent minds in implantology, Park Dental Research is routinely recognized in the written history of innovation in this industry.

President

JUELL Dental LLC

Aug 2011 - Dec 2011 (5 months)

Responsible for acquiring 510k's for several implant products. In addition, developed QMS to obtain ISO 13485 certification and CE approvals. M&A with Hadwin Consulting and Park Dental Research Corporation, with final entity being Park Dental Research Corporation, one if not the oldest USA Dental Implant Manufacturer.

Vice President

Hadwin Consulting and Services LLC

Jul 2010 - Dec 2011 (1 year 6 months)

Consultant - Industrial Engineering, Design Engineering, Manufacturing Engineering, Supply Chain, Facility Design, Quality Engineering, Human Resources, Training

Senior Engineering Technical Specialist (T5A) Retired July 2010

3M

Mar 1998 - Jul 2010 (12 years 5 months)

IMTEC, a 3M Company - Specialized in manufacturing processes that involve fabrication, machining, assembly and packaging. Team member for new product introduction and member of the Dental

Implant Operating Committee business. IMTEC entity was dissolved in August 2010 and is now part of 3M ESPE. I was the primary point of contact for integration activities with 3M Corporate counterparts.

Global Manufacturing Director

IMTEC, a 3M Company

Jul 2008 - Dec 2009 (1 year 6 months)

I was responsible for the manufacture of Dental Implants, Instruments, and accessories. I was also responsible for the manufacture of the ILUMA CBCT Head Scanner, Manufacturer of Industrial x-ray scanners. Rapid Prototyping and Digital Dentistry

Executive Vice President

IMTEC Corporation

Mar 1998 - Jul 2008 (10 years 5 months)

Acquired by 3M in July 2008, as Executive Vice President I was responsible for Facility operations, Information systems, Customer Service for ILUMA CBCT, Implant and CBCT manufacturing and Dental Implant engineering. I would assume the role of President of Corporation when required.

President

Hadwin Manufacturing Company

Dec 1994 - Mar 1998 (3 years 4 months)

Owned and operated a small Micro Manufacturing job shop, specializing in manufacture of medical devices and telecommunications.

Director of Quality & Tooling Engineering

Rosti Group

Jun 1996 - Feb 1998 (1 year 9 months)

Initially started as Director of Quality when company was named Premier Molding. PMC was an ISO 9002 registered QMS and my first task was to achieve ISO 9001 status (added Design Controls), I then added ISO 9002 to the Searcy, AR and the Coushatta, LA plants. Later I was responsible for managing the 750+ tools for the injection molding department as well as new mold design working with Lucent Technologies, Sunbeam, Remington Ammunition, and Poulan/Weedeater. Was the engineering liason when Rosti acquired the company

Micro Manufacturing Instructor

Northwest Louisiana Technical College

Aug 1995 - May 1996 (10 months)

Part of the startup of Institute for MicroManufacturing (<http://www.latech.edu/ifm/>) at Louisiana Tech University. I acted as a researcher for educational materials for tools and methods for conventional milling, drilling, turning and EDM. IFM was NSF funded initially and we were co-partnered with Business and Higher Education, including Grambling University, LSU Medical School, LSU-Baton Rouge and AT&T

Engineering Manager

Walker-Wheland Inc.

1988 - 1994 (7 years)

Contract manufacturer for Aerospace, Medical Devices, Automotive and Department of Defense. We had the best customers; General Motors, Morton-Thiokol Corporation, Libbey Glass, Axelson, Dresser Industries, Vertex Communications, Smith and Nephew Richards, Intermedics, Synthes, Johnson and Johnson, Heatcraft, Acme Tube, Coltec Industries, IMTEC Corporation, ICEE Corporation, Dolet Hills Mining Venture, Atlas Refinery and so many others in the NW Louisiana area



Manufacturing Engineer

Sunbeam Corporation at Coushatta, LA

1984 - 1988 (5 years)

Complete manufacturer for steam irons, toasters, waffle irons and others. In-house injection and diecast molding, silverstone paint, assembly automation



Tool & Die Maker

Walker-Wheland Inc.

1979 - 1984 (6 years)

Precision Machinist - Manual Lathe, Mills (horizontal and vertical), grinders (surface, rotary, cylindrical and centerless). Production and prototype development for progressive dies, molds for glass industry, molds for thermoforming industry, tooling components for Military, Automotive, Aerospace and Medical.



Tool & Die Maker

Southern Bolt & Fastener Corporation

1975 - 1978 (4 years)

Responsible for maintaining and new manufacture of cold and hot header dies for the fastener industry. Ranging from 1" to 4" Acme headers. We made specialty fasteners for Nuclear plants and military fasteners. Exotic materials such as Inconel were hot forged.

Education



Oklahoma State University

M.S. of Occupational Education, Educational/Instructional Technology

2012 - 2015

21 hours completed, taking a break.



Southern Illinois University, Carbondale

B.S.I.T, Industrial Engineering

1985 - 2005

Actually attended from 1985-1989, completed courses at other colleges to complete degree at SIU.



Louisiana State University

General Studies

1999 - 1999



Federal Apprenticeship

Journeyman, Machinist

1975 - 1978

Completed a 4 year program in 2.5 years

Journeyman # 15093



Northwest Technical School

2 Yr, Machine Shop CIP 480501

1974 - 1975

Minden, LA



Louisiana Tech University

General Studies

1974 - 1974



Northwestern State University

Medical Technology

1972 - 1974



Castor High

1969 - 1971

Graduated Junior year, Early Admission Program to College

Licenses & Certifications



Standard Teaching Certificate - Oklahoma State Department of Education

Issued Jan 2014 - Expires Jun 2024

411852



Completion of Apprenticeship for Machinist - State of Louisiana

15093



Elements of Metallurgy - ASM International aka Metals Engineering Institute



Heat Treatment of Steel - ASM International aka Metals Engineering Institute



ISO 9001:2000 36 Hour Lead Auditor with Medical Device Focus (ISO 13485) -

DEKRA Training

Q9118

3M Lean Six Sigma Green Belt - 3M Health Care



Mastercam Basic Projects - 40 Hours - CNC Software



Precision Machining - NOCTI - NOCTI



Machining Level I - Measurement, Materials, and Safety Skills - NIMS - National Institute for Metalworking Skills



Machining Level 1 - CNC Mill Operator - NIMS - National Institute for Metalworking Skills



Machining Level I - Job Planning, Benchwork, & Layout Skills - NIMS - National Institute for Metalworking Skills



Machining Level 1 - CNC Lathe Operator - NIMS - National Institute for Metalworking Skills



Skilled Trades: Manufacturing Careers - LinkedIn



In the Shop: Manufacturing - LinkedIn



Engineering Drawings for Manufacturing - LinkedIn



Autodesk Certified Associate in CAM for 2.5 Axis Milling - Autodesk

Issued Nov 2020 - Expires Nov 2022



Machining Level I - CNC Milling: Programming Setup & Operations - NIMS - National Institute for Metalworking Skills



Machining Level I - CNC Turning: Programming Setup & Operations - NIMS - National Institute for Metalworking Skills



Machining Level I - The Certificate of Special Merit - NIMS - National Institute for Metalworking Skills



Machining Level I - Metalforming - NIMS - National Institute for Metalworking Skills



Autodesk Certified Associate in CAM for Turning - Autodesk

Issued May 2022 - Expires May 2024

 **Machining Level I - CAM Milling** - NIMS - National Institute for Metalworking Skills

 **Machining Level I - CAM Turning** - NIMS - National Institute for Metalworking Skills

 **Certified Manufacturing Associate** - SME

 **CNC INSTRUCTION & INSPECTION** - TITANS of CNC MACHINING
INSTRUCTOR-0001

 **Introduction to Geometric Dimensioning and Tolerancing** - Oklahoma CareerTech

 **GoPro HERO5 and HERO6: Tips, Tricks and Techniques** - Oklahoma CareerTech

 **VR Video and Photography: Storytelling** - Oklahoma CareerTech


 **Edpuzzle Level 1** - Edpuzzle
567211BZ28


 **Edpuzzle Canvas** - Edpuzzle
84710KJ783

Skills

Automation • TQM • Assembly • Medical Devices • Quality Systems • Product Development •
Design for Manufacturing • Inventory Management • Global Sourcing • Executive Management

Honors & Awards

 **2005 Oklahoma Innovator of the Year** - Oklahoma Journal Record
Apr 2005
<https://journalrecord.com/2005/04/01/2005-innovator-of-the-year-profile-imtec-corp/>

 **New Teacher of the Year** - Oklahoma CareerTech
Aug 2017
New Teacher of the Year - T&I