

# Tom Weltner

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## PROFESSIONAL EXPERIENCE

### *Medical Device Design*

- Patents issued or pending for an innovative static progressive wrist, elbow and knee orthosis; a pronation/supination orthosis, and finger orthosis.
- Designed, developed and introduced into production 5 medical products in the past four years.
- Designed numerous plastic injection molded parts for medical, healthcare and industrial applications.
- Experienced with SolidWorks CAD software.
- Designed a diverse mix of medical devices and surgical instruments.

### *Operations Management*

- Managed all departments related to factory operations, including production, materials, research and development, shipping, toolroom and customer service.
- Supervised a staff of approximately 30 people at each of three companies.
- Responsible for meeting production, engineering and procurement goals. Reported directly to the president or general manager.
- Accountable for managing inventory dollar value.
- Responsible for weekly and monthly shipping quota (as measured in dollar value of accounts receivable).
- Performed various personnel duties, including hiring, performance evaluations, disciplinary action, training, etc.

### *Project Management*

- Managed multidisciplinary projects for various industries, including aerospace, healthcare, medical and industrial.
- Generated project goals, tracked team performance, managed budgets denominated in dollars and hours.
- Reported project status to senior management and clients.

### *Manufacturing Engineering, Prototype Fabrication & Toolmaking*

- Experienced in machining, sheet metal, injection molding, EDM, electronics fabrication, wire harnesses, etc.
- Designed and fabricated numerous pieces of automated production equipment, as well as precision jigs, fixtures, molds and assembly tools.
- Able to setup and operate various manual and CNC machine tools, including mills, lathes, surface grinders, etc.
- Experienced in CamWorks CNC programming software
- Generated assembly work instruction, and provided operator training.
- Performed time studies and labor reduction efforts.

### *Plastic Injection Molding*

- Former owner of a plastic injection molding business with in-house part design, mold design, mold fabrication and injection molding.
- Plastic part design experience.
- Managed the fabrication of over 30 molds.
- Understanding of plastic processing, secondary operations, etc.

### *Business Owner*

- Founded Strategic Tooling and Manufacturing (a sole proprietorship), a product development company with emphasis on injection molding and medical product development.
- Performed all aspects of business management, including sales, marketing and accounting.
- Generated and executed business plans to grow the company and increase capital assets.
- Managed all customer accounts, generated quotations, provided customer interface.
- Managed cash flow, performed strategic planning.
- Secured financing for capital purchases.
- Purchased and installed all equipment for a complete toolmaking and injection molding facility.

### **EMPLOYMENT HISTORY**

- 1984 to 1990: TRW Electronic Products *Manufacturing Engineer* (Defense Electronics)
- 1990 to 1993: Ampco Dental Equipment *Operations Manager* (Medical Device Manufacturer)
- 1993 to 1997: S&S Associates *Operations Manager* (Plastic Injection Molding)
- 1996 to 2000: Strategic Tooling and Manufacturing *Owner* (Medical Product Development)
- 2001 to 2007: DeRoyal Industries *Senior Design Engineer* (Medical Product Development)
- 2003 to 2007: Strategic Design *Owner* (Medical Design Consulting)
- 2007 to Present: Patient Patents, Inc. *Engineering Manager* (Medical Product Development)

### **EDUCATION**

- 2004 American Board of Certification, Certified Orthotic Fitter
- 1985 Cal Poly, BS, Manufacturing Processes
- 1980 Modesto Junior College, Machine Tool Technology