

**Luis G. Diaz**  
**10 Via Del Fico Court**  
**Lake Elsinore, California 92532**  
**E-mail: Luis.Diaz1@ca.rr.com**  
**Phone: Cell-909-972-5240**

## EXPERIENCE

- Designer / Draftsman**      1/2008 – 12/2008      Alphatec Spine Inc.      Carlsbad - California  
Tool design, instruments and components for new medical procedures for the surgical treatment of spine disorders, working in conjunction with a development group of Engineers in the R&D / MIS Departments. Responsibilities: design and production of released drawings from 3D models in SolidWorks 2008, interfacing with top spinal surgeons around the world. Maintenance of all product lines via ECR/ECO formats.
- Lead - Senior / Designer - Draftsman**      1/2003 – 1 /2008      Sundance Spas Inc.      Chino, California  
Conceptual mechanical design and reversed engineering 3D models in SolidWorks 2007. Production of released drawings from 3D solid models. Detailed mechanical and electrical drafting 2D and 3D models from AutoCAD 2007-2008 for new product releases. Maintenance on all projects 2D & 3D including architectural layouts via ECO format using Microsoft Word, Excel, AutoCad 2007-2008, SolidWorks 2005-2007 and Acrobat Writer 8.0. Collaboration with all departments for product validation and change implementation. Produced and directed mechanical drafting standard ISO 9001 certification for AutoCad users. Member of PDM Administrators team on SolidWorks 2005-2007 for Engineering and R&D Departments. In charge of expediting everyday work load and mentoring program for new personnel in the CAD Department.
- Designer / Draftsman**      3/2001 - 3/2002      MTI Micro Technologies Inc.      Anaheim, California  
Release to production manufacturing sheet metal drawings 2D, 3D and Isometrics with AutoCAD 2002-2004. Maintenance of all documentation via ECR/ECO formats, using AutoCad 14-2004, Pro-Engineer 2000i2 and SolidWorks 2001. Elaborated PCB layouts DWG/DXF. Artwork drawings via Corel Draw, Adobe Illustrated 8.0 and AutoCad 2002.
- Designer / Programmer**      4/1999 - 3/2001      Trico Sports Inc.      Pacoima, California  
Conceptual planning of manufacturing drawings and layouts in 3D for plastic injection molds. Reversed engineering used to create 3D models and STL surfaces from a Cyclone Digitizer Technology. Production of programming Code for Hass "CNC" machines. Responsible for prototype testing on a HASS-VF2 and VF3. Development and maintenance of drawings on all projects using computer aided software AutoCad Release 2000i. Software used: Delcam PowerShape, PowerMill, ArtCam and Copy Cad. Windows NT, Microsoft Word 2000, Camedia and Adobe Illustrator 8.0.
- Draftsman**      8/1993 - 4/1999      MTI Micro Technologies Inc.      Anaheim, California  
Development and release to production of manufacturing sheet metal drawings 2D and isometric. Maintenance of drawings on all projects using ECR/ECO formats via computer input on AutoCad Release 14-2000. Software used: D-Base, CC-Mail, Microsoft Access, MS-DOS, Xtgold, Windows 98, MS-Works, Word Perfect 6.0, Microsoft Word 6.0 and AutoManager WorkFlow 3.2 for Windows.
- Designer / Draftsman**      8/1990 - 9/1992      Telos Medical Inc.      Upland, California  
Responsible for the design, development and release to production of manufacturing drawings for disposable, reusable and custom medical kits via computer input on Cad Graphics-Ultra System. Performed artistic design and layout for company's brochures and catalogues. In addition, responsible for the maintenance and control of drawings, specifications, manufacturing procedures, directions for use, card reference files and microfilm files. Supported all departments with Spanish translation daily. Translated documentation for the Safety Awareness Program and conducted the presentation for the company.
- Draftsman**      5/1984 - 8/1990      Rantec Emerson Electric      Calabasas, California  
Responsible for development and release to production of manufacturing microwave drawings. Maintenance for projects: TACAN, COMBAT TALON, PATRIOT MISSILES, FEED SYSTEMS, C11 and APG69 SYSTEMS, using ECR/ECO formats via computer input on AutoCad 12-13 and Unigraphics. Supported Department of Publications and Reproductions as a Lead Man.

**Shop Maintenance /  
Draftsman**

3/1983 - 5/1984 Bennett Industries Pacoima, California  
Maintenance of all plastic injection molds. Machinist manufacturing small parts.  
Promoted to engineering department to function as a Draftsman developing  
manufacturing drawings for plastic injection molds via AutoCad 10-11.

**Machinist**

6/1980 - 3/1983 Avibank MFG Burbank, California

Operator of Davenport machines. Promoted to assembler "A" working fasteners from  
assembly drawings. Finishing my work with the company as a Lead man for Assembly  
Department. Machinery used: Bench-Master, Multipress Denison, Surface Grinder, Lathe,  
Hill-Spin-O-Matic Pneumatic Riveter, Marking Machine. Equipment used: Outside  
Micrometer, Dial Caliper, Inside Micrometer, Depth Gage, Master Vernier Height Gage,  
Gage Blocks and Radius Gages.

## EDUCATION

2008 Alphatec Spine Inc. Carlsbad - California  
**Certificate**  
5-Day Workshop on GD&T. ANSI Y14.5M-1982 and new ASME Y14.5-1994 Standards.

2007 Westech College US-California-Upland  
**Intermediate-Design / SolidWorks Certification**  
SolidWorks 2007 Design Engineering 84 hour course. Design Intent Part Creation. Top  
Down Assembly, Sheet Metal and Mold Tooling.

2004 3-D Cadware Inc. US-California-Fullerton  
**Certification**  
Successful achievement on completion of SolidWorks 2004 level I training and  
PDMWorks Lessons for Administrator.

2001 PTC Technologies US-California-Newport Beach  
**Certification**  
Intensive one week training at PTC Technologies on Pro-Engineering 2000i2.

2001 Hass Facility US-California-Oxnard  
**Certification**  
Rigorous one week training at Hass Facility on operation and theory for CNC Hass-VF2  
and VF-3.

1996/1997 Rio Hondo College US-California-Whittier  
**Course**  
AutoCad 13 and Designer parametric Solid Modeler

1993/1994 Rio Hondo College US-California-Whittier  
**Achievement of 11 units**  
AutoCad 12-13 Drafting 2D/3D.

1985 Los Angeles Pierce College US-California-Woodland Hills  
**Achievement of 5 units**  
Free hand Drafting and Rendering.

1983 Los Angeles Valley College US-California-Van Nuys  
**Achievement of 9 units**  
Architectural Drafting.

1979 University of Costa Rica Costa Rica-San Jose-San  
Jose  
**Courses**  
Study of Humanities.

## LANGUAGES

**English** Proficiency Level Fluent – Wide Knowledge

**Spanish** Proficiency Level Fluent – Full Knowledge