

JOSEPH TOMEI
Consulting Engineer
Augspurger Komm Engineering, Inc.
& BTI Consultants
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Education

B.S.M.E in Mechanical Engineering, ARIZONA STATE UNIVERSITY, 2007

Professional Affiliations

American Society of Heating, Refrigeration and Air-Conditioning
Engineers, Member
American Society of Mechanical Engineers, Member
Society of Automotive Engineers International, Member

Seminars

Pro/Engineer Wildfire 2.0, June 2005
Solidworks, April 2004
3-D Parametric Modeling, March 1999

Presentations

Automation Controls & Logic, April 2007
Engineering of Thermoplastic & Thermoset Materials, December 2006
Implementation of Maintenance Equipment, June 2006
Methods of Heating Large Masses of Water (Swimming Pools) May
2006

Experience

June 2007 - Current - Augspurger Komm Engineering, Inc.,
Consulting Engineer
2005-2006 - Triumph Air Repair, Development Engineer
2002-2005 - FCP Integrated Systems, Systems Engineer
2001-2002 - MODCO, Mechanical Designer
1999-2001 - Motion Systems, Mechanical Designer
1999-1999 - Aerospace Inc, CAD Detailer
1996-1999 - Ideas in Motion, Mechanical Designer
1996-1998 - Tomei Co, Machinist

Design Projects

Explosive Chemical Material Handling System, May 2007

Design, calculate, and draw an automated pick-n-place material handling system capable of rapid transit times from fixed "pick" points to variable "place" points.

Flat Panel Television Lift Assembly, December 2006

Design, calculate, and draw a television cabinet for residential use. Design requirements where to house the TV inside the cabinet during non-use and elevate the TV mechanically outside of the cabinet for viewing.

Series of "Quick Change" Oil & Fuel Test Adapters, 2005-2006

Design, draw, and test oil and fuel test adapters, of different materials, that allow multiple pump components to be tested on the same test machine.

Rotary Cam & Follower Analysis, April 2004

Analytically and graphically analyze cam profiles and types to generate a design of predetermined functional specifications – completed using numerical data to plot data points and graph.

Series of Turn Key Warehouse Distribution Conveyor Systems, 2002-2005

Specify throughput, storage requirements, and mechanical components to satisfy given requirements. Generate system drawings for installation purposes.

Electro-Magnetic Driven & Actuated Tilt Tray Sorter, 1999-2001

Design, draft, and test a completely electro-magnetically driven and actuated tilt tray sorter for use in large scale distribution centers of mail and package shipping.

Series of Large Scale Staging & Accumulating Conveyors, 1998-1999

Design and manufacturing instructions of medium to large scale staging and accumulating conveyor systems for food and pharmaceutical industry.