

Jason Habrock

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Experience

2007 to present **Alpha Engineering & Design** Fort Collins, CO

Design Engineer / Project Manager

Designed custom turnkey vacuum chamber assemblies
Collaborated and designed proprietary equipment for the development of cadmium based solar panels
Designed custom vacuum brazing chamber with an mean operating temperature of 1700°F
Designed many custom machines to assist in various aspects of vacuum chamber fabrication
Developed and utilized a custom waterjet quoting excel spreadsheet to reduce RFQ turnaround times

2005 to 2007 **Advanced Manufacturing Technology** Loveland, CO

Design Engineer / Project Manager

Design parts for new and existing plastic bottle & cap closure conveyance
Performed full statistical analysis of cap speed through a radiation sanitizer

2004 to 2005 **Woodstorm Automation** Fort Collins, CO

Head Engineer

Designed turnkey material handling machinery for the wood manufacturing industry
Involved in all aspects of design and fabrication up to and including waterjet part nesting

2002 to 2004 **Advanced Manufacturing Technology** Fort Collins / Loveland, CO

Design Engineer / Project Manager

Designed parts for new and existing plastic bottle conveyance systems
Responsible for force, fatigue, and failure mode analysis/calculation for new and existing equipment
Designed new conveying systems such as "single chain pop-up pallet storage"
Responsible for customer approval drawings, requisitioning parts, assembly drawings, laying out lines, checking sites, scheduling installations and customer service follow-ups

View complete design portfolio on the web at <http://www.fsjbrutus.com/portfolio>

Education

2009 **MCAD Technologies** Lakewood, CO

Solidworks Simulation 2009 Certification

2001 **Colorado State University** Fort Collins, CO

Bachelor of Science in Mechanical Engineering

Emphasis in manufacturing (simulation and statistical quality control)

Passed the Fundamentals of Engineering (FE/EIT) exam

Fall 2000

Leader of the FSAE suspension team and team webmaster

2000-2001

Developed dynamic force suspension situation emulator in Excel

Designed and fabricated swaged tube wishbones and pull rods

Conducted extensive FEA analysis of upper wishbones as they connected to pull rods

Skills

<i>Software:</i>	Solidworks 2010 CNC Machining	MS Office Package SigmaNEST 5.5	Mechanical Desktop
<i>Programming:</i>	Allen Bradley PLC	Visual Basic	Javascript

Hobbies

Fluent in Spanish (read, write & conversational)

World Traveler

Website Designer