

## Resource Library

*The Build4Scale resource library includes links to supplemental information developed specifically for the Build4Scale training, as well as links to a wide range of external manufacturing-related resources.*

- Assessments, Evaluations, and Templates
  - [Build4Scale Training Self-Assessment](#)
  - [Calculating Your COGS](#)
  - [Company-Product Needs Assessment](#)
  - [Controls and Sensors Project Questions List 5.0](#)
  - [Cost Calculation-Fixed and Variable](#)
  - [Enterprise Resource Planning \(ERP\) Functional DRAFT](#)
  - [Fixed Cost Calculation Worksheet](#)
  - [KMC Manufacturing Readiness Review Checklist](#)
  - [Manex Business Assessment Questionnaire DRAFT](#)
  - [Module 4A - DFMEA Example Optimal Rivet Weld Company](#)
  - [Module 4A - Workshop Exercise DFMEA Template](#)
  - [Product Needs Assessment](#)
  - [QFD Illustration with a Real-World Example](#)
  
- Glossary
  - [Build4Scale Glossary of Terms](#)
  - [Supply Chain Glossary](#) *(used with permission by [www.demandsolutions.com](http://www.demandsolutions.com))*
  
- Guides and How-To's
  - [Appendix J - Best Practices for Training Startups to Work with Manufacturers](#)
  - [Checklist—What You Need to Go to Manufacturing](#)
  - [Manufacturing Readiness Level \(MRL\) Deskbook](#)
  - [Three Approaches to Tooling for Metal Stampings](#)
  
- Legal Documents
  - [General Information Concerning Patents](#)
  
- Videos
  - General

- [The New Way to Build Hardware Products: Tips And Strategies - Dragon Innovation](#)
- Module 2B
  - [PLM 411: Should Startups Use a Product Lifecycle Management \(PLM\) Tool?](#)
  - [PLM Overview for Beginners](#)
- Module 2C
  - [Introducing AQL](#)
- Module 3B
  - [Properties of Materials](#)
- Module 3C
  - [Manufacturing for Hardware Startups](#)
  - Andy Huntington, hardware producer and designer at BERG, describes the manufacturing processes behind the production of Little Printer, the delightful web-connected printer.
- Module 3D
  - [Automated Printed Circuit Assembly](#)
  - [Forming Metal Stock and Sheet Metal on Hydraulic Press](#)
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  - [Machining a Brass Part on a Milling Machine](#)
  - [The Ultimate Guide to Product Development for Hardware Startups - Bolt](#)
  - Bolt general partner Ben Einstein provides insights into the product development process for hardware startups.
- Module 3F
  - [How It's Made: Flexible Circuit Boards](#)
- Module 4A
  - [Innovation 101 E4: Prototyping & Testing - Physical Products](#)
- Module 4C
  - [Why Best-in-Class Companies Use Simulation Early in the Design Process](#)
- Module 5B
  - [Introduction to Enterprise Resource Planning \(ERP\) Systems](#)