

# FMEA Homework 2

- Complete a design FMEA for the product shown on the next page
- Use the forms provided on the web page, or create forms of your own. If your company already has FMEA forms, you may use them for this exercise.
- Concentrate on the function / failure mode / effect and cause columns. Make up something (within reason) for the engineering verification and scoring.
- Each person is to submit an FMEA.
- Submit the FMEA to me attached to e-mail.

***Assignment is due 4/2***

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1. Evaluate the design of a pressure-sensitive adhesive label attached to an instrument case.
2. The case contains sensitive electronic components that cannot be exposed to contamination from particles or vapors, including possible contamination from the pressure-sensitive adhesive.
3. The hole is used for final adjustment and is covered with a pressure-sensitive label. To keep the inside of the case from being exposed to possible contamination from the adhesive, the label was designed with a no-adhesive area.
4. The final adjustment of the components is intended for the factory only and must not be done by the consumer.
5. Remember that you are product designers and not process engineers at this point, however, the process engineer on your team says that a manufacturing constraint exists, the labels must be attached by hand by an operator on an assembly line.
6. List any process concerns that you will want to consider as part of a later process FMEA.

