

PROBLEM 1-13

Statement: A start-up company (husband and wife) manufactures over 50 different health and beauty aids that they sell at craft shows and also over the internet. They make their products in small batches and package them in small jars that they buy unlabeled in case lots. They design and print their own labels on peelable, adhesive sheets. It is very difficult to place the labels on to the containers so that they are in the proper position and properly aligned. Consider this problem and write a goal statement and at least ten task specifications that you would apply to its solution.

Solution:

Goal Statement: *Create a means to apply a label to the required container for a particular product.*

Task Specifications:

1. Cost no more than \$20 for parts.
2. No special tools required for assembly.
3. Leaves the operator's hands free to apply the label.
4. Provide no threat of injury to user in normal use.
5. Requires no source of electricity.
6. Requires no more than 1 person to use.
7. Be rugged and reliable with minimal maintenance required.
8. Operate at ambient temperatures ranging from 40F to 100F.
9. Supports the container while also guiding the the label to its correct position.
10. Be simple to use with minimal written instructions necessary.