Engineering Virtual Learning

HS Machine Drafting Design Lesson #9

April 16, 2020

Objective/Learning Target:

Students will use the “Launch It” machine they designed and built to learn about accuracy and precision.

(Project day 4 of 4)

Let’s Get Started:

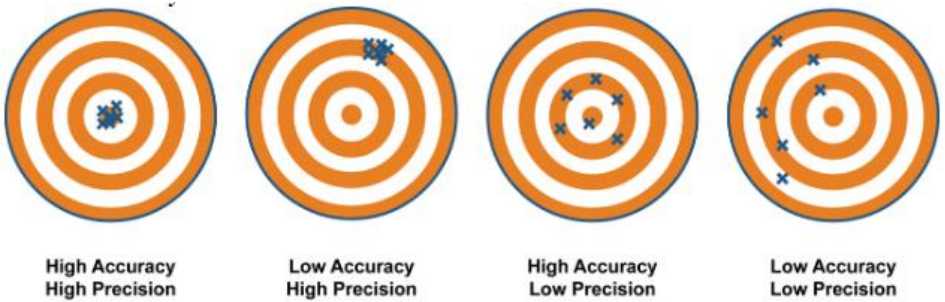
Today we are going to test your “Launch It” machine for precision and accuracy.

https://www.youtube.com/watch?v=KEeSQvMCPLg

After watching the video, predict what your machine will do?

Learning Practice:

Test the Launch Machine you designed and built. First, set up a target similar to the one below. Second, launch 4 cotton balls and record the approximate landing spot on the target. Record this data in your engineers notebook.



Do you think your machine displays more accuracy or precision? Explain your answer.

1. Precision measures how close measurements are *to each other*.
2. Accuracy measures how close a result is to the truth.

Check for Understanding:

Describe the precision and accuracy of this target.

A. High Accuracy, High Precision
B. Low Accuracy, High Precision
C. High Accuracy, Low Precision
D. Low Accuracy, Low Precision

Answer: D

NAME	TITLE	DATE	PERIOD