



Real World Problem Scenario

Scenario:	Robot Program
Business:	Miba Bearing
Business Participant:	Joshua Kehl
Career Cluster(s):	STEM
Grade Level:	9-12
Standards & Skills:	Robot Programming Manufacturing line setup PS.EW.5 Electricity Design and Technology Topic 2: Identify a problem and use an engineering design process to solve the problem Topic 3: Demonstrate that solutions to complex problems require collaboration, interdisciplinary understanding and systems thinking

Problem Description:

Students will design the tray system and robot program for the Miba production line.

Things to be considered or defined for the solution:

- Robot availability