

Training at PDSVISION

Training is one of the best investments a company can make; it is not a huge expense, it creates a better quality of work, it creates efficiency and it is fun! PDSVISION is proud to be a Certified Platinum Training Provider of PTC courses.

Whether you are a first-time or an experienced user we offer suitable training for your needs. Greater knowledge contributes to increased efficiency and higher quality of work.

Mechanism Simulation using Creo Parametric

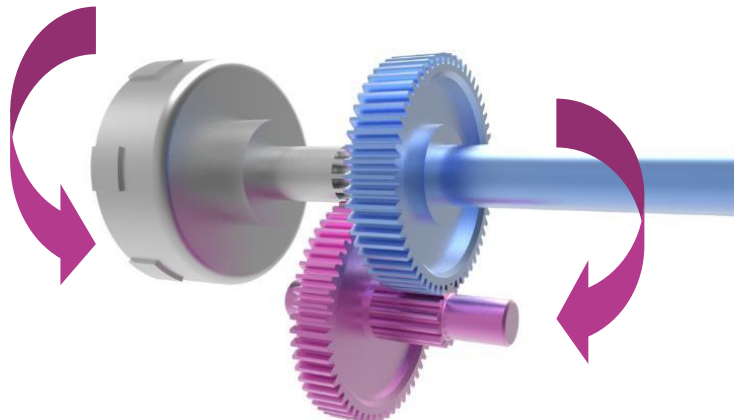
Course Length: 1 Day

Prerequisites: Introduction to Creo Parametric and Mechanism Design using Creo Parametric

Audience: Design engineers and mechanical designers who need to add and evaluate the motion of their assemblies.

Course Description:

In this course, you will focus on learning advanced modeling and analysis skills. Topics will include developing the 3-D model, analyzing the mechanism model, and evaluating results. This course is designed for experienced users who want to add motion to their products and analyze dynamic reactions of moving components. These topics will enable you to measure dynamic reactions of components, measure the force required to keep a mechanism balanced, and determine the resting state of a mechanism. After completing this course, you will be prepared to work on mechanism designs using Creo Parametric Mechanism Dynamics Option (MDO). At the end of each module, you will complete a skills assessment. The questions are used to help reinforce our understanding of the module topics and form the basis for review of any topics, if necessary.



Course Content:

This course will teach you to understand the mechanism dynamics option, how to measure forces, velocities, accelerations and other reactions. It will include topics such as how to apply force motors, spring, dampers to assemblies, forces, torques and gravity to assemblies. You will also learn to create dynamic analyses, force balance analyses, static analyses and to evaluate results.

Day 1

- Module 1 - Introduction to the Mechanism Design Process
- Module 2 - Adding Dynamic Entities to a Mechanism
- Module 3 - Analyzing the Mechanism Model
- Module 4 - Evaluating Analysis Results
- Module 5 - Project

