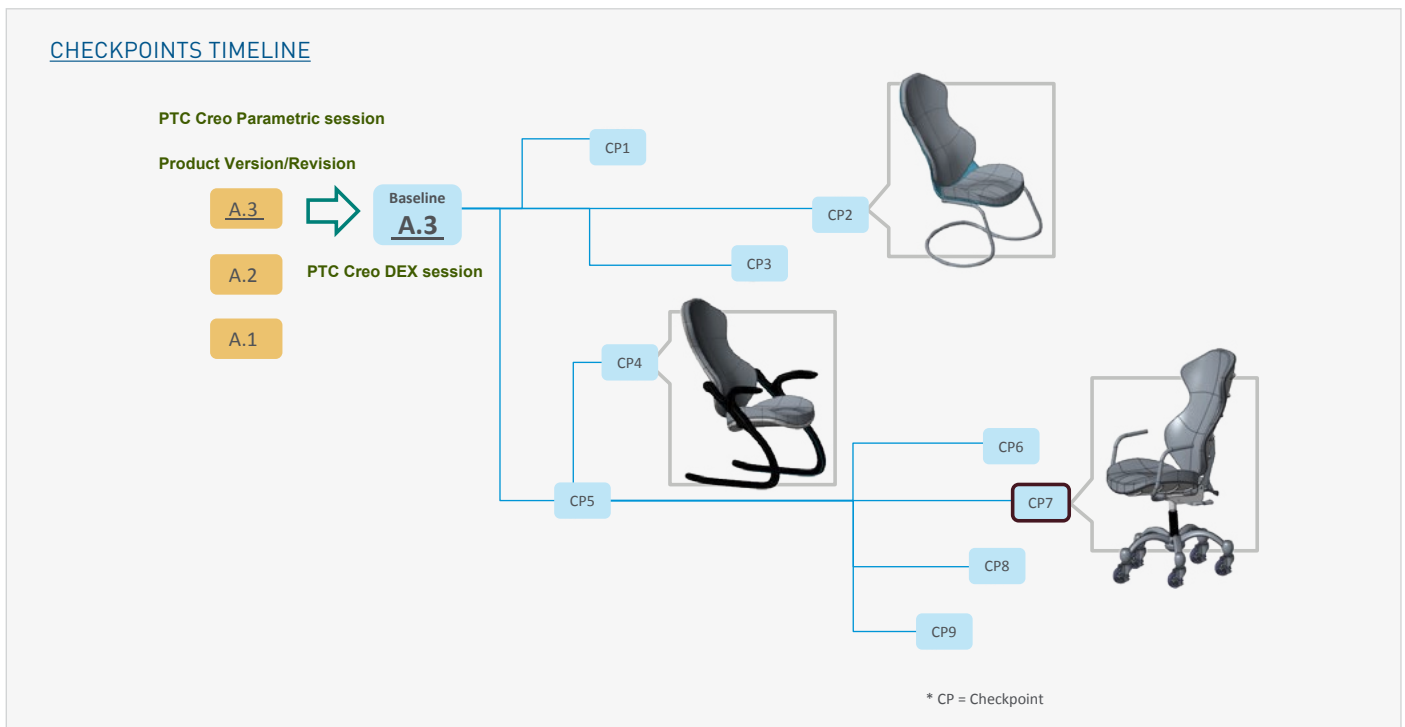PTC®

PTC Creo® Design Exploration Extension

Explore and Evaluate Multiple Design Ideas in a Safe and Manageable Environment before Committing to Final Decisions

PTC Creo Design Exploration Extension (DEX) is a dedicated tool for enabling the quick and easy investigation of alternative concept designs within the parametric environment. Using "checkpoints" PTC Creo DEX eliminates the need to manage multiple versions of data and allows designers to move seamlessly back and forth between design branches.

CHECKPOINTS TIMELINE

PTC Creo Parametric session

Product Version/Revision

A.3

A.2

A.1

Baseline **A.3**

PTC Creo DEX session

CP1

CP2

CP3

CP4

CP5

CP6

CP7

CP8

CP9

* CP = Checkpoint

PTC Creo DEX allows users to switch back and forth between stored checkpoints enabling exploration and evaluation of different design ideas.

Quickly and easily explore different design methodologies

The PTC Creo Design Exploration Extension (DEX) enables users to quickly and effectively evaluate design alternatives and determine the most effective modeling approach. Furthermore, if a user explores a design path but determines it is not the most effective, they can quickly revert back to an earlier saved "checkpoint" without having to completely recreate the model. By supporting an evolutionary concept design process, PTC Creo DEX streamlines the workflow from weeks to days.
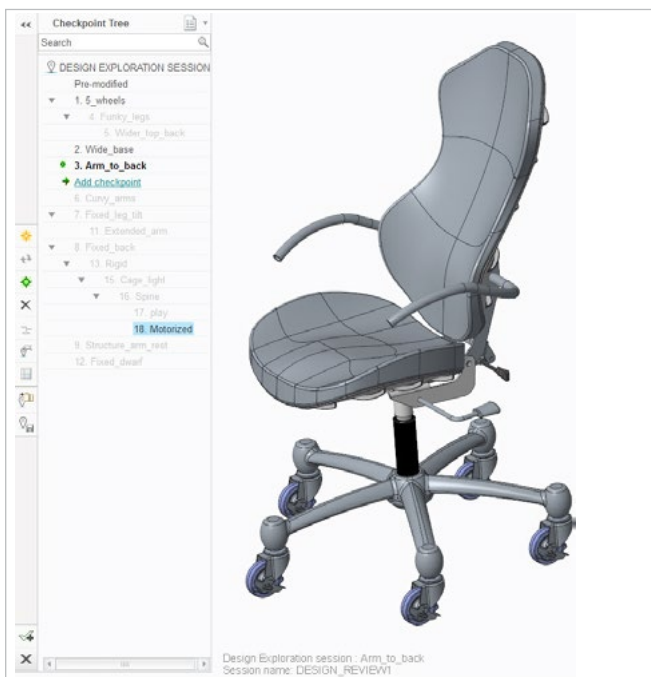
Evaluate multiple design concepts

Changing a product design and exploring new ideas is a technical challenge, especially when developing complex systems with many interdependent components. Typically, this process involves manual backup of models to ad-hoc folders, a repeated closing and cleaning session, and manually revisiting and reviewing iterations until making a decision.

PTC Creo DEX helps you work through the process of changing, ideating, and evaluating new designs with an innovative, robust, and intuitive tool made specifically for that purpose.

Key benefits:

- Explore design changes safely without risking original designs or committing to any change

- Simultaneously develop different ideas and evaluate all options before making decisions

- Eliminate manual data duplication and tedious session clean-up for loading and reloading different versions

PTC Creo DEX allows users to explore design changes safely without risking original designs, committing to changes, or creating duplications of data.

- Browse exploration checkpoints in a "decision tree" for interactive design review

- Effortlessly switch back and forth between design ideas

Capabilities and specifications:

- **Snapshot entire design session:** Create instant backups of all models about to be explored allowing the user to return to the starting point

- **Capture incremental changes**

- **Instantly toggle between checkpoints**

- **Split designs into different directions:**

  - Switch back and forth between stored checkpoints or create new ones without losing any information

  - Use unlimited number of design "splits" in checkpoints to explore and evaluation different design ideas

- **Store exploration content in a single encrypted and compressed file for documentation purposes and future use**

Language support

English, French, German, Italian, Korean, Japanese, Russian, Spanish and Chinese (Simplified and Traditional)

Platform support and system requirements

Please visit the **PTC support page** for the most up-to-date platform support and system requirements.

For more information, please visit: http://www.ptc.com/product/creo/ or contact a PTC sales representative.