

SF SIMPLIFY

MECHANICAL DESIGN AUTOMATION



Protect your know-how by creating lightweight, simplified models

SF SIMPLIFY for PTC Creo is the easy-to-use and fully-automated tool to generate a filled envelope geometry to simplify complex models or to conceal their inner details.

Share CAD data with business partners without disclosing your know-how

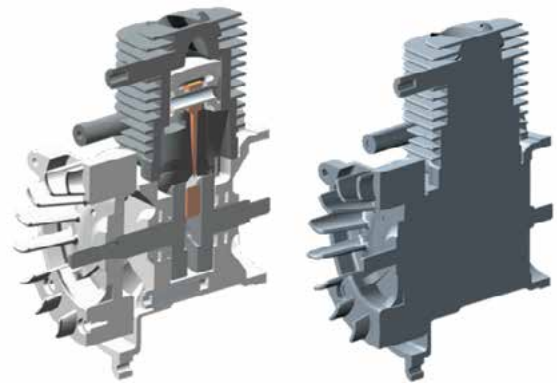
CAD data typically contains a lot of sensitive information that you do not want to reveal to your business partners. However, for successful cooperation you also need to provide simplified CAD models to your suppliers and customers. In many companies, the creation of these models is still a time-consuming and error-prone, manual task. SF SIMPLIFY is the Creo add-on that enables you to transform this task into a robust automated process.

Easy operation

- Fully integrated into Creo Parametric – the whole process is executed by clicking an additional button that is available in assembly mode
- No additional user interaction required
- Process can be adapted to specific types of models by using different configurations. These configurations can either be stored in company specific configuration files or in the assembly models themselves
- Optional batch mode to execute the process from other tools

Capabilities

- Protection of intellectual property by the removal of sensitive construction, product and development data
- Creation of simplified high-quality models for applications like Digital Mockup (DMU) and Virtual or Augmented Reality (VR/AR) to handle large modules quicker and more efficiently.
- Sensitive non-geometrical information (design history, tolerances, selected model parameters and surface properties) is hidden.
- No time-consuming and error-prone manual selection of the



Unedited Model

Edited SF SIMPLIFY Model

details requiring removal

- Reduction of IP resolving time of 90%
- Reduction of model size by typically 80%
- Outside geometry remains unchanged
- Integration into the Windchill clearance process for fully-automated conversion using UniversalWORKER (SF product)

Benefits

- Share lightweight models with customers and suppliers without extra rework
- Provide your geometric models as product libraries for foreign systems in a safe way for revision
- Create simplified models at the push of a button

SF Summary

- SF SIMPLIFY is an add-on for PTC Creo Parametric that provides an easy way to share the outer geometry of your CAD models without exposing inner details and other confidential data.



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