



**INDUSTRY'S STANDARD FOR HIGHER EFFICIENCY**

# Startup TOOLS

For years, Startup TOOLS has guaranteed efficient utilisation of PTCs product development environment. The success of Startup TOOLS throughout the world is based on the combination of add-on-functionality for the users, configuration and administration assistance and a comfortable graphical user interface. With Startup TOOLS, you can not only design faster and more efficiently but also consistently throughout your company.

## Startup TOOLS HIGHLIGHTS

- Administration of the working environment with graphical interface
- Harmonised templates, objects and concepts
- Ensure CAD company standards
- Integrated CAD applications:  
Ring menu for mapkey administration, fits and tolerance table, form-driven model variants, parameter and library management, ...

## CENTRALISED, UNIFORM, EFFICIENT

Many companies spend unnecessary time on manual routine tasks. Parts and assemblies are designed from scratch several times instead of reusing them. Not only is this inefficient, it also undermines the importance of standardisation and reuse.

The intelligent and easy-to-use applications of Startup TOOLS enable designers to concentrate on value-adding activities. Administrators can ensure uniform configuration of various working environments and centrally deploy changes.



### International parameter and Data concept

Enabling usage of product development data across different sites requires parameters, designations and properties to be fully defined. Startup TOOLS ensures that international teams can collaborate seamlessly and comply with standards. Number generator, mandatory fields and many other functions assist in maintaining parameters and avoid errors right from the start.



### Clear and structured

Even in small design teams it can be difficult to enforce uniform design methods and compliance with company CAD standards. This is where Startup TOOLS supports you in multiple ways:

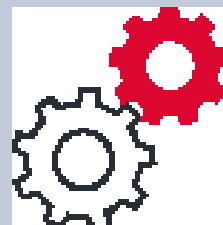
- Working environments with attuned objects: Centrally configured and supplied start object, symbols, drawing frames, reports, UDFs. All seats comply with the same standard.
- Libraries, intelligent features and form-driven models reduce manual work.

Instead of complicated specifications impeding work, standards compliance is automatically ensured.



### Fast

The centralised maintenance and configuration of the working environment facilitates implementing and updating your product development environment (Creo Parametric, Creo Simulate, Creo Layout, Creo Direct, Windchill). This way you can reduce administrative effort and put your solution faster into productive use. Also the administration of different installations and versions is significantly simplified.



### Productive

Our Creo add-on functions support designers in routine tasks such as creating parts lists, changing models and creating drawings. Our innovative ring menu reduces mouse movements which accelerates the design process.



# CREO ADD-ON FUNCTIONALITY

Startup TOOLS contains GENIUS TOOLS Parameter for comfortable and automated creation of BOMs as well as GENIUS TOOLS Library for library and variant management.

## Library management

### GENIUS TOOLS Library

The graphical library manager and viewer allows convenient retrieval, copy, insert, copied and configured insert of objects (parts, assemblies, UDFs, sketches and report tables) from the standard library.

The Google-like search supports the users with proposals to quickly find the desired elements. The search also includes parameter values such as designation or name.

Previews can be created by double-clicking and the selection files (mnu) can be modified conveniently through the editor. In addition to the preview images, PDF or HTML help documents can be added. Thus all relevant information, e.g. on proper configuration, can be centrally stored in your library.

## Easy BOM maintenance

### GENIUS TOOLS Parameter

The parameter manager allows you to edit all administrative model information (designation, drawing number, designer, etc.). This ensures complete information while reducing maintenance efforts. All parameters to be edited (name, type, display text, etc.) are specified in a parameter definition file. A translation functionality ensures correct and complete parameters for international teams.

## Form-driven model variants

### GENIUS TOOLS Forms

This application generates user-defined form templates allowing you to quickly and easily adjust the properties of parts and assemblies (PRT/ASM).

Using forms you can present the relevant dimensions, parameters, features, components, variant table values or mapkeys clearly and change them all in one location. Forms are stored directly within the model so they will be available for later changes.

## Further useful tools

### GENIUS TOOLS Utilities

Utilities contains special functions such as retrieving or creating drawings of the same name, a number generator, material selection or exporting drawing BOMs or any desired drawing tables to MS-EXCEL. This accelerates many routine tasks.

## Multi-dimension changes

### GENIUS TOOLS Dimension

This add-on application allows quick and simultaneous modification of all dimension values and dimension symbols of a feature, part, assembly or sub-components of an assembly. Adjustments can be made much faster than by individual selection and editing in the drawing.

## Intelligent features

### Design TOOLS

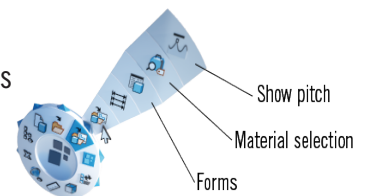
The design library of Startup TOOLS enables you to place mechanical engineering standards and standard parts rather than having to define them anew every time. The features can be adjusted automatically on placement and always comply to the standards. Time consuming lookup of DIN information is no longer necessary.

- Undercuts
- Feather-key grooves
- Tapers
- Gearings
- and many more

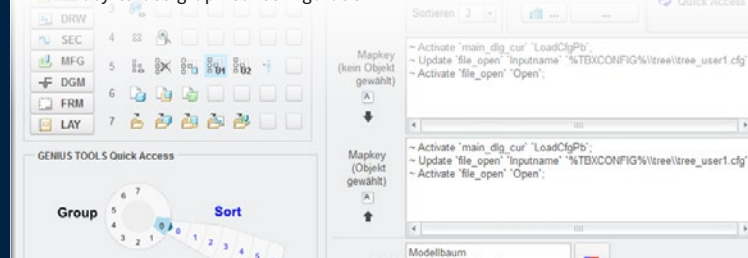
## Mapkey management

### GENIUS TOOLS Quick Access

Quick Access is a mode and selection sensitive ring menu for Creo. It contains a graphical configuration interface and provides context sensitive commands and mapkeys. So frequently needed commands are always at hand and you can avoid mouse paths.



- Uniform organisation and deployment of mapkeys across the company
- Reduce mouse travel, clicks and inputs
- Speed up and standardise design processes
- Easy-to-use graphical configuration



## Inspection features

### GENIUS TOOLS Inspect

Flag important characteristics in drawings systematically for later use in quality management and export the relevant data with automated reports.

## CONFIGURATION AND CENTRAL ADMINISTRATION OF THE WORKING ENVIRONMENT GENIUS TOOLS STARTER

GENIUS TOOLS Starter administrates the configuration of your Creo working environment centrally in a graphical user interface. You can consider job-, site- or department-specific needs, such as languages, plot environments, installation standards, license and software availability. Make configuration changes centrally for all users and deploy them in a controlled manner.

### BENEFITS FOR YOU

- Control working environments by user and computer groups
- Manage your installation graphically without scripting
- Support different working environments
- Manage licenses with license borrowing
- Windchill integration
- Specify which users can work on projects, which configurations are to be used and assign the proper licenses
- Clone working environments and customise them
- The offline function/travel mode allows for synchronisation of mobile workseats

### CONFIGURATION OPTIONS (EXCERPT)

- Use of a specific installation (release or build)
- Choose and synchronise a startkey
- Display available licenses including license borrowing for mobile operations
- Contents of all configuration files (config.sup, config.pro) and therefore references to all relevant settings (plot environment, drawing setups, libraries, and many more)
- Language setting for Creo Parametric, Creo Simulate, Creo Layout, Creo Direct, Windchill
- Initialisation of additional applications before launching or after exiting the application
- Notification system for the administrator
- Offline functionality and synchronization of configuration to the local workseat

