# SMARTTools for Creo Parametric

## Model-Based-Definition

### SMARTUpdate

- Powerful checking and updating CAD models
- Flexible setup of checks and reports
- ,Batch'-function to update large data sets

### SMARTAnnotate

- Placing standard notes and symbols
- Manage meta-data and drawing formats
- Switch between local languages of annotations

### SMARTColor

- Rule based and manual colour application
- Associative legend symbols
- Availability of multiple appearance states within the model

### SMART3DExport

- Multipage 2D-PDF's directly from 3D CAD-model
- What you see is what you get
- Template support and Meta data callout

## Design process support

### SMARTElectrode

- Easy design of sinking electrodes
- Automatic burn setup sheets generation
- Reliable data export to EDM machine

### SMARTHolechart

- Intelligent creation of 2D hole tables
- Automatic recognition of rotational elements
- Individual classification of hole types

### SMARTOptics

- Simulation of optical paths and rays
- Optical component design (i.e. mirrors, lenses, ..)
- Calculation and visualization of luminosity

### SMARTXHatch

- Easy definition of cross hatchings in assembly drawings
- Rules driven hatching angle and spacing
- Reuse hatching definition from other views

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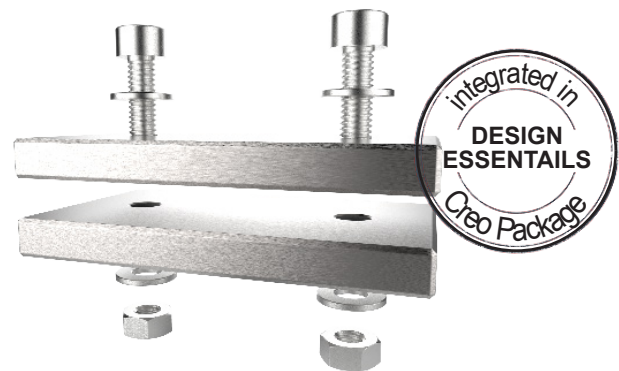info@buw-soft.de

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### Advanced Framework Extension

- Fast and easy layout of framework structures
- Intuitive assembly of profiles and connectors
- Large library for popular steel and alloy profiles

*integrated in* **DESIGN ESSENTAILS** *Creo Package*

### Intelligent Fastener Extension

- Large library for screws, dowel pins, nuts and washers
- Intuitive user interface for selection and placement of connection elements
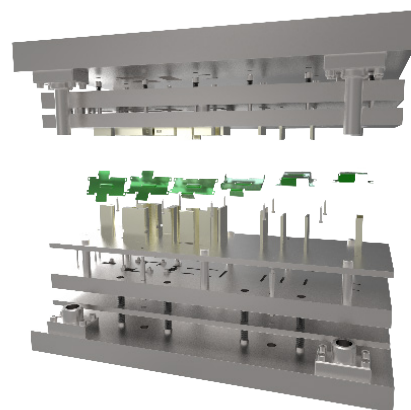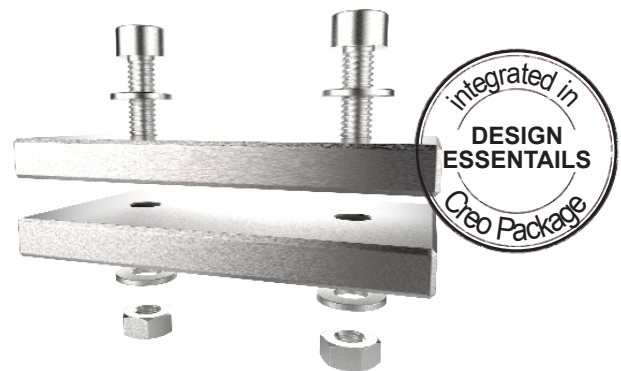- Automatic creation of corresponding holes

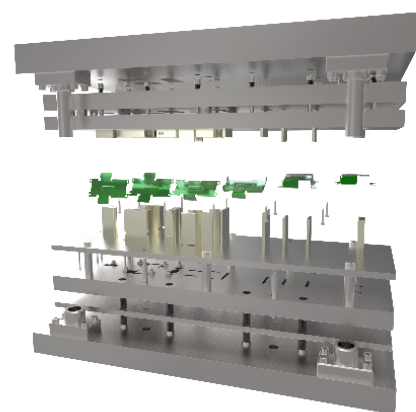*integrated in* **DESIGN ESSENTAILS** *Creo Package*

## Tooling

### Expert Moldbase Extension

- Flexible design of injection mold bases
- Dynamic definition of cooling systems
- Intelligent placement of standard parts from over 20 supplier catalogues

*integrated in* **DESIGN ADVANCED PLUS** *Creo Package*

### Progressive Die Extension

- Efficient design of strip layouts
- Intelligent placement of standard parts from numerous supplier catalogues
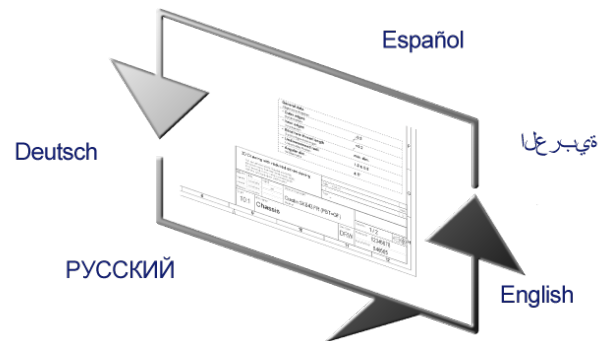- Holechart and BOM functionality

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**COMING SOON!**

# SmartMBDTools for Creo 11

## Modules/elements/

### </> Parameter Management

- Customizable display of parameter entries
- Configurable drop-down lists
- Parameter value control
- Automatic creation of missing parameters
- Multi-language value handling



### 文A Multi-Language

- Annotation text display in multiple predefined languages
- Change language display on one click
- Translation handling through integrated text database



## Basic content

### Context Management

- Intelligent Classification of models
- Basic and elementary assignment and handling of contexts
- Basic requirements for subsequent rule based actions

### Text Database

- Container for all texts used in annotations and UI
- Ability to handle text translations in multiple languages
- Interface to external sources

### Combined State Management

- Intuitive creation and modification of Combined States
- Integrated in Creo navigation area

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# SmartMBDTools for Creo 11

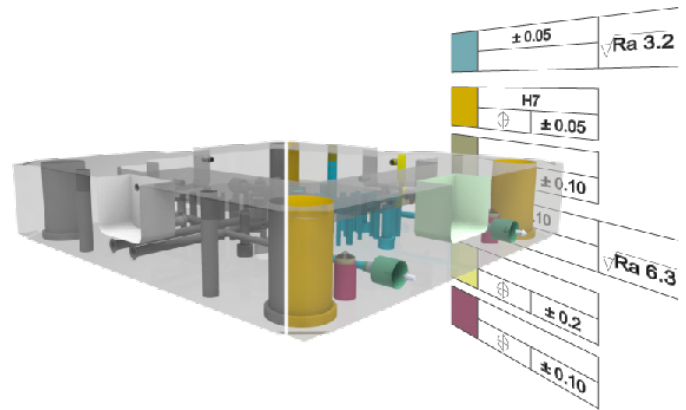**COMING SOON!**

## Modules/elements/

## Annotation Handling

- Management of Standard Notes
- Placing texts in multiple languages
- Intelligent note selection
- Integrated Meta-Data-Management
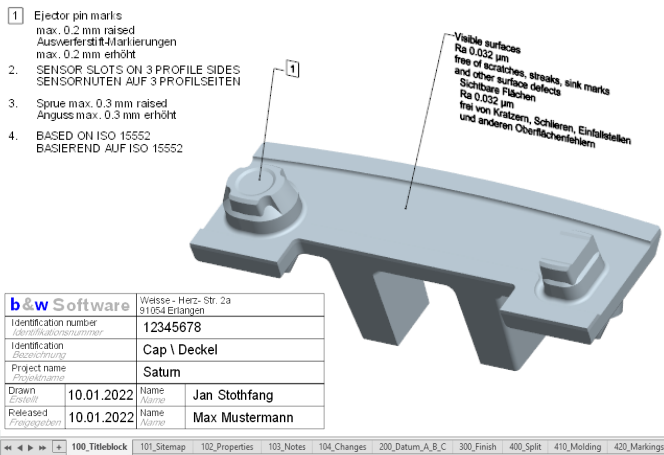
## Color Coding

- Fully integrated in Creo Parametric
- Intelligent rule set for Color Application
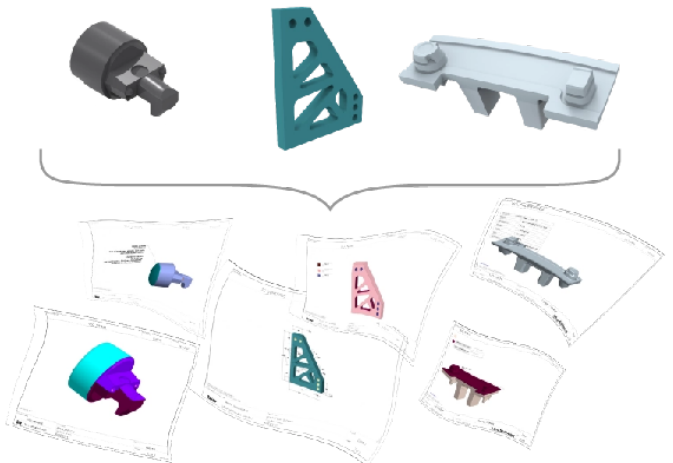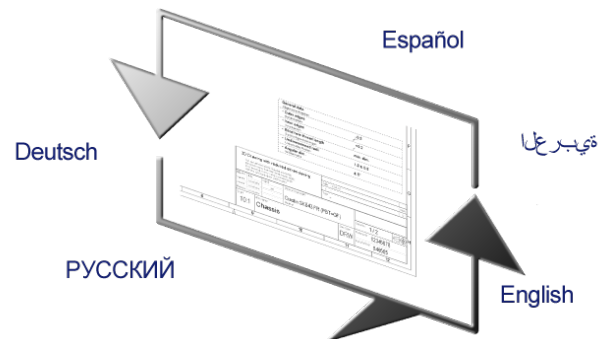- Associative legend symbols
- Reliable transfer of PMI



## Check & Update

- Check and update models and drawings automatically
- A variety of prepared screening criteria
- Batch-mode for large amounts of data
- 'Gate Keeping' to Windchill database

## Export

- Multipage 2D-PDF's directly from 3D CAD-model
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## for Creo Parametric

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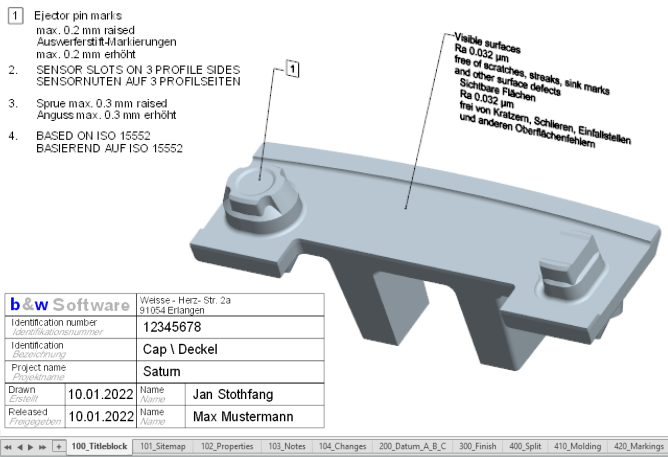- Interface to external sources

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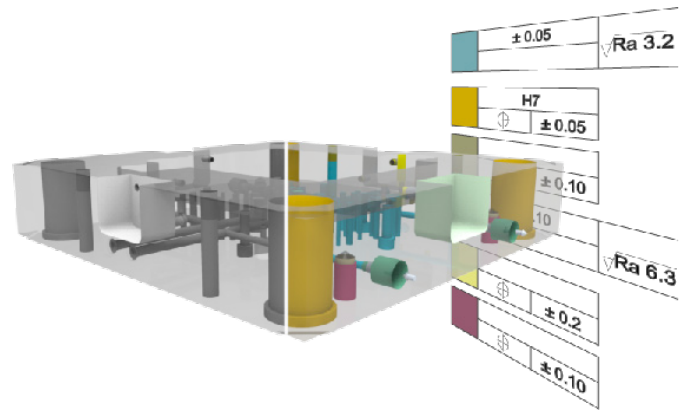## for Creo Parametric

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