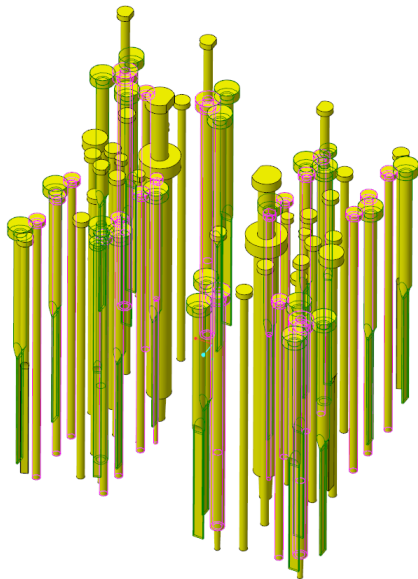
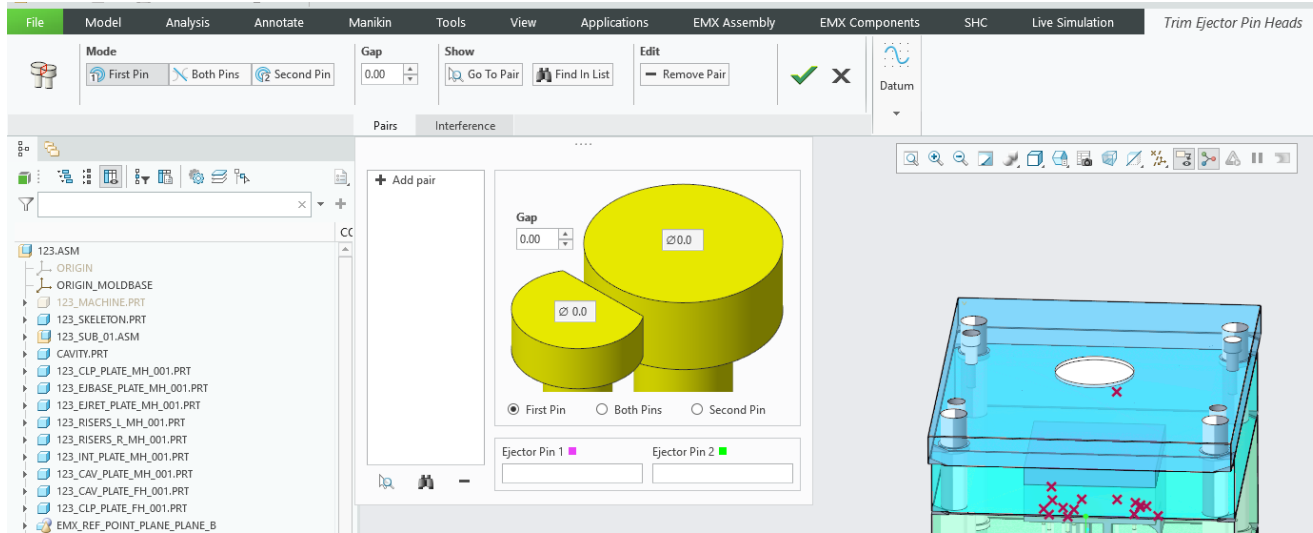


# EMX 15.0.4.9

What's New?



# Enhancement



- Enhanced Trim Ejector Pin Heads capabilities
  - New Dashboard
  - Different trim shapes
  - Add and remove trim pairs
  - Manage existing pairs in list
  - Highlight pairs in 3D view

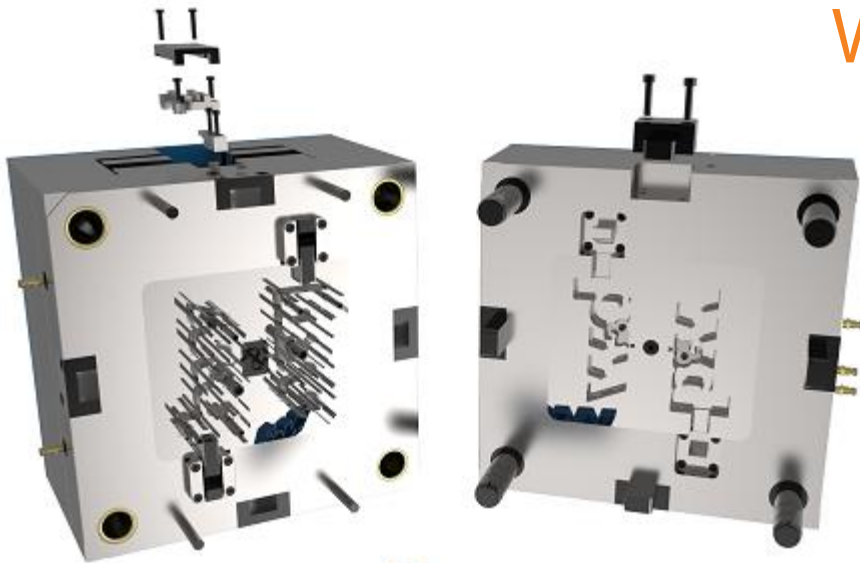
# Enhancement

---

- Library components and related cutouts can be considered in Extract Fluid circuits command, in case parameter BELONGS\_TO\_WATERLINE=„YES“ exists at model.
- New Meusburger cooling components E2016, E20169, E20259, E2020HT, E2020 D and E20209HT
- Update all existing Meusburger components to state 6.2.11.0
- Improve performance of Excel export

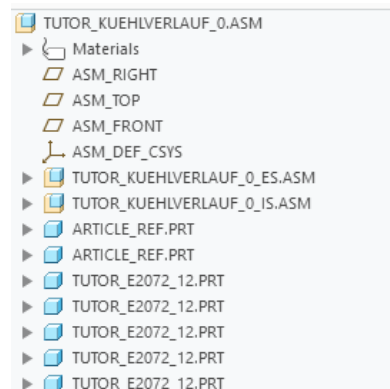
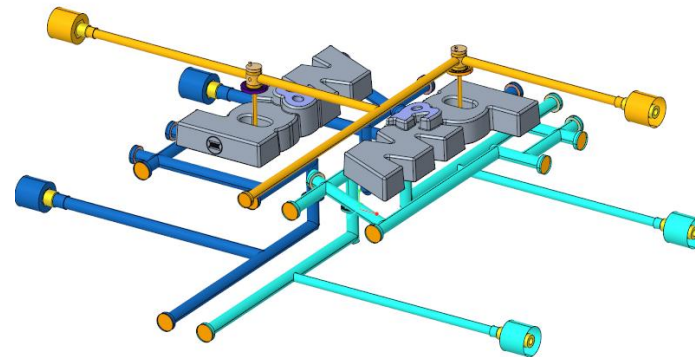
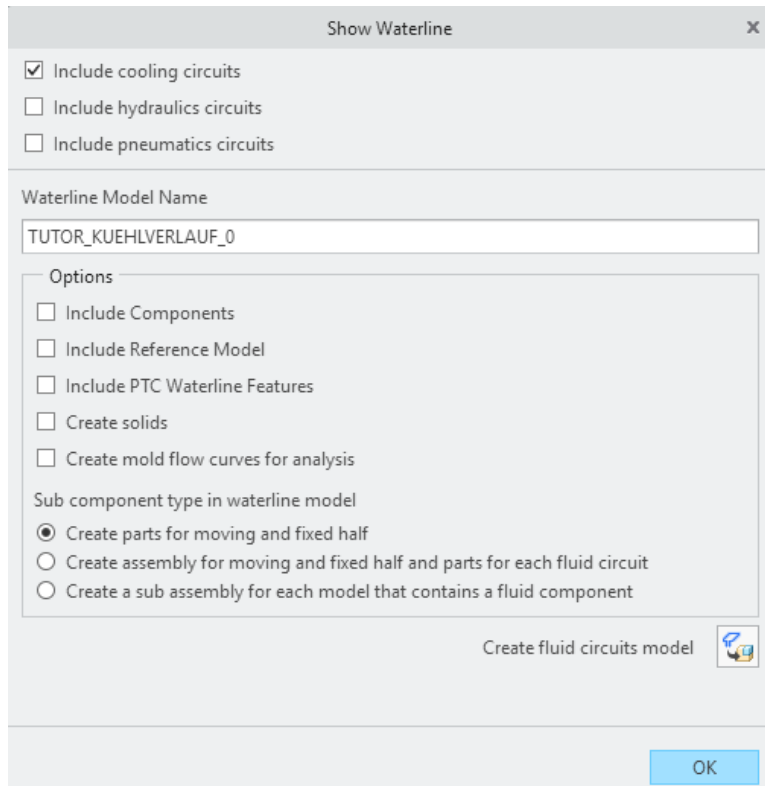
# EMX 15.0.4.8

What's New?



# Enhancement

- Improve the Extract fluid circuit functionality
  1. Improve algorithm to detect related fluid bores
  2. Implement new radio group with option to assemble a subassembly for fixed and moving half, but also a part for each cooling circuit
  3. Use progress bar to avoid freezing of Creo window



# Enhancement

- Implement solution to directly use measured values from Tiny Measure Tools in nominal values of component dialog
  - Select dimension in nominal values table
  - Open Tiny Measure Tools with Right Mouse Click
  - Measure diameter, length or offset
  - Best fit value will be used in nominal value table

The diagram illustrates the process of updating a nominal value with a measured value. It starts with a 3D model of a shaft with dimensions labeled: (1) Diameter (DM1), (2) Length (LG), and (3) Reference Distance (REF1). The nominal values table shows DM1 as 0.4, LG as 100, and REF1 as 56.000. A context menu is shown with options: Measure Diameter, Measure Length, and Measure Offset. An 'EMX Question' dialog box appears with the text: 'Measured diameter: 4.500. The best fit value in the option menu is: 4.5. Use the best fit result in nominal value?' with 'Yes' and 'No' buttons. The final state shows the nominal values table updated with DM1 = 4.5.


Dimension Name	Value	Type
DM1 - Diameter	0.4	
LG - Length	100	
OFFSET - Offset	0	
REF_ANGLE - Angle	0	
REF1 - Reference Dista	56.000	

Dimension Name	Value	Type
DM1 - Diameter	4.5	
LG - Length	100	
OFFSET - Offset	0	
REF_ANGLE - Angle	0	
REF1 - Reference Dista	56.000	

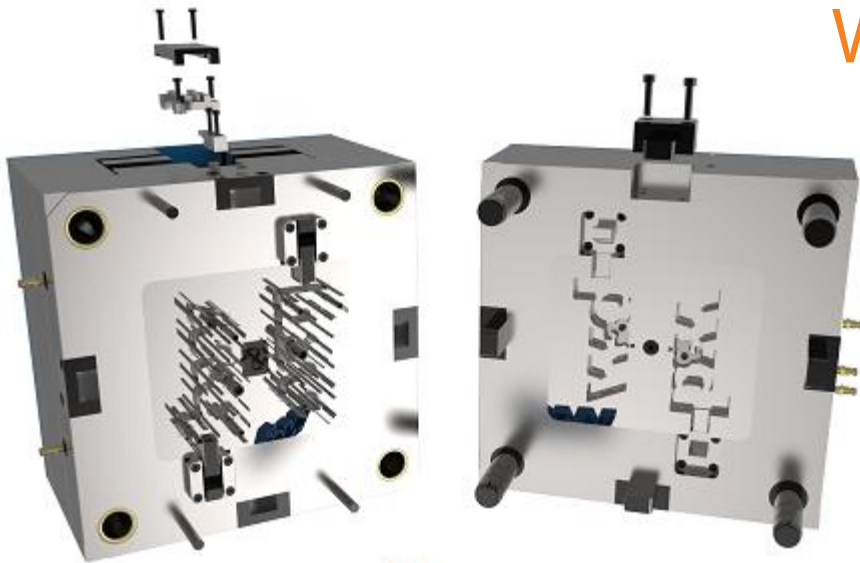
# Enhancement

---

- Update SmartHolechart to Version 15.0.0.5
  - New Components Meusburger Guide E1332 and E1146
  - Implement new cooling O-rings from new suppliers Hagenauer and Arcus
  - Add Ermanno Balzi cooling component TR, TRI, RF, RFP, RL, RLS
- 
- Decorative curved lines in the bottom right corner of the slide, consisting of a thick grey curve and a thin orange curve.

# EMX 15.0.4.7

What's New?



# Enhancement

---

New HASCO cooling components:

- Z87: Hose Nipple
- Z87VA: Hose Nipple, stainless steel
- Z9425: Sealing plug with O-Ring
- Z9425VA: Sealing plug with O-Ring, stainless steel
- ZI81: Hose Nipple, Open Flow, USA

# Enhancement

---


- Implement new config option BOM\_ALLOW\_EDIT\_PROJECT\_PARAMS to allow manual editing of project parameters in BOM

Default Value is: NO

Behavior NO:

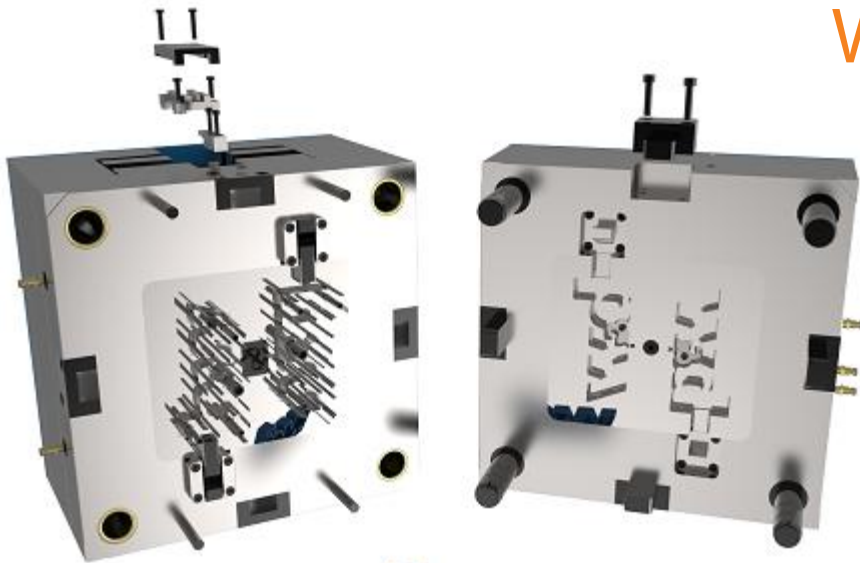
- Project parameters are disabled in Bill of Materials List.
- Value can not be edited
- Value is always overwritten from top assembly

Behavior YES:

- Project parameter can be edited in Bill of Materials
  - Value needs to be unlocked in BOM
- 
- A decorative curved line in the bottom right corner, consisting of a thick grey arc and a thin orange arc below it.

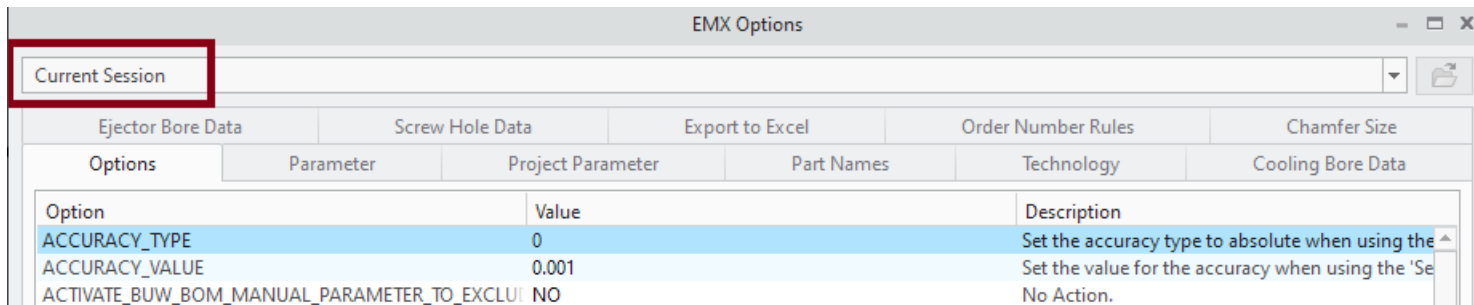
# EMX 15.0.4.6

What's New?



# Enhancement

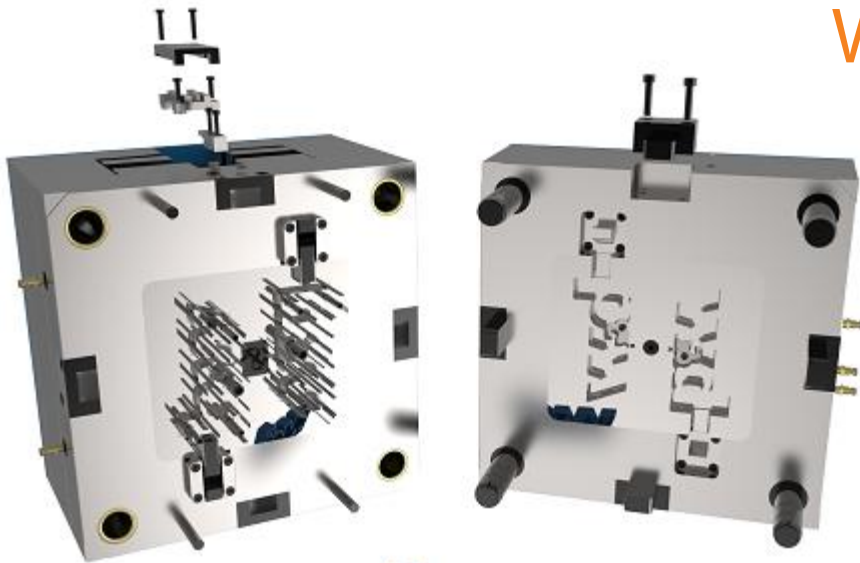
- Introduce functionality to save configuration to current session only. “Current Session” can be selected in Options Dialog from option menu



- Several minor fixes and internal improvements

# EMX 15.0.4.5

What's New?



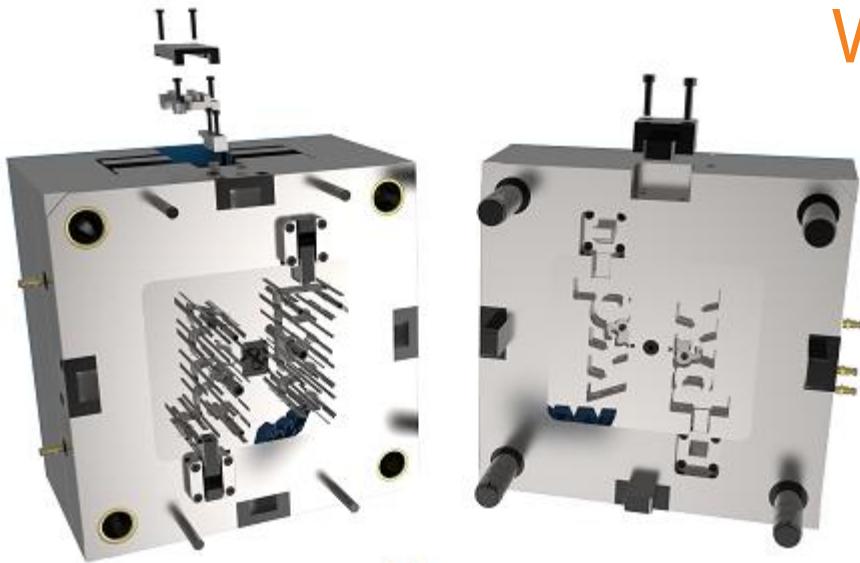
# Enhancement

---

- Update Smart Holechart to Version 15.0.0.4
- Allow flexible items for guide components
- Several minor fixes and internal improvements

# EMX 15.0.4.3

What's New?



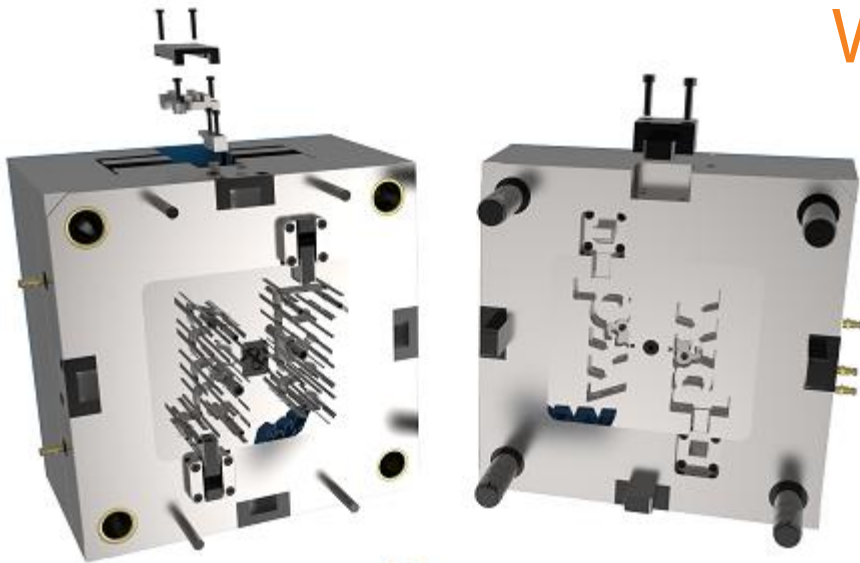
# Enhancement

---

- Update existing MEUSBURGER components to state April 2024
- Enhancements for Engraved Texts for ejector pins:
  - New Options EJP\_ENGRAVED\_TEXT\_TYPE: Sketch can be created as contour or middle line.
  - Parameter defined in PARAM\_EJP\_ENGRAVED\_TEXT will only be created at ejector pin models.

# EMX 15.0.4.0

What's New?



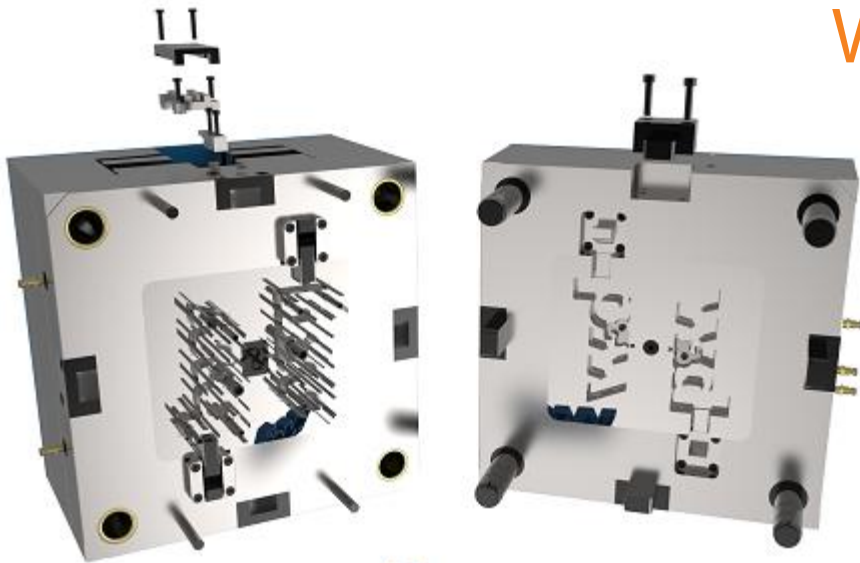
# Enhancement

---

- Update SmartHolechart to version 15.0.0.3

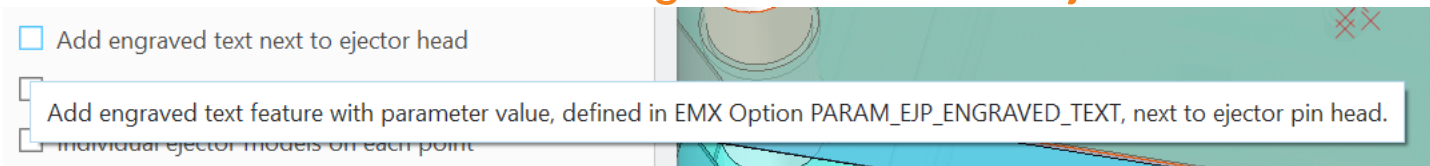
# EMX 15.0.3.12

What's New?



# Enhancement

## New Feature: Assemble engraved texts for Ejector Pins



- New Option in Ejector Dialog: *Add engraved text next to ejector head*
- Text feature will be created in ejector model on head surface and next to head cutout UDF in plate.
- Text is controlled by relation and driven by a part parameter
- Part parameter must be defined with new Configuration Option *PARAM\_EJP\_ENGRAVED\_TEXT* otherwise option in ejector dialog is disabled.
- New config file: *engraved\_text\_heights.cfg* to define valid text heights



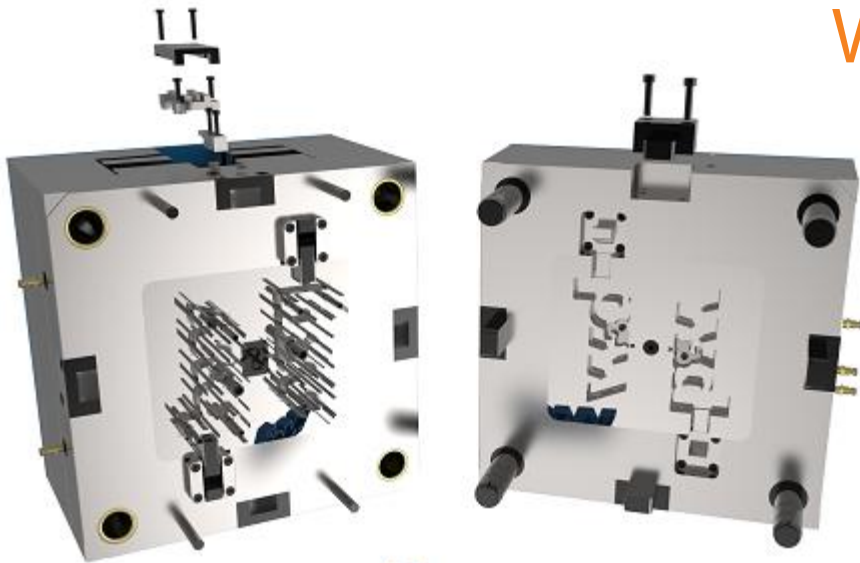
# Enhancement

---

- Update existing HASCO components to state April 2024
- Update existing KNARR components to state April 2024
- Improve performance of additional chamfer creation in case of multiple point features.

# EMX 15.0.3.11

What's New?



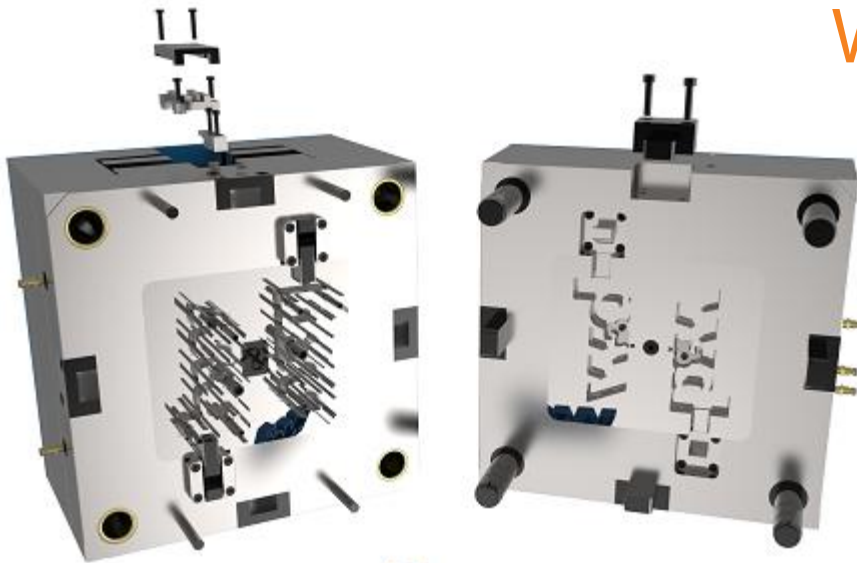
# Enhancement

---

- Update existing Meusburger components to state January 2024

# EMX 15.0.3.10

What's New?



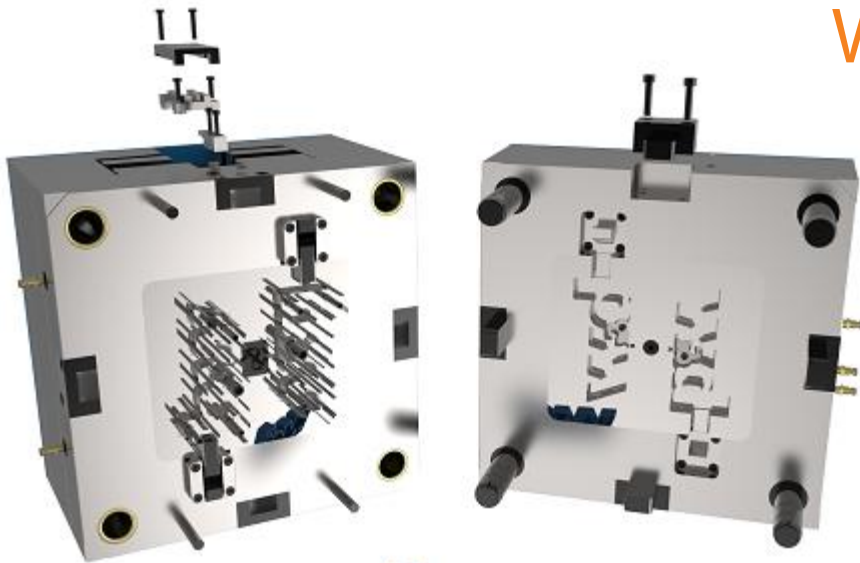
# Enhancement

---

- New Stäubli CBX and CBI connectors for Hydraulics
- Improved Stäubli RMI and CBI connectors in cooling
- Overall improved functionality: Selectable option sealing and BF
  
- New Knarr Eyebolt screw 40811

# EMX 15.0.3.9

What's New?



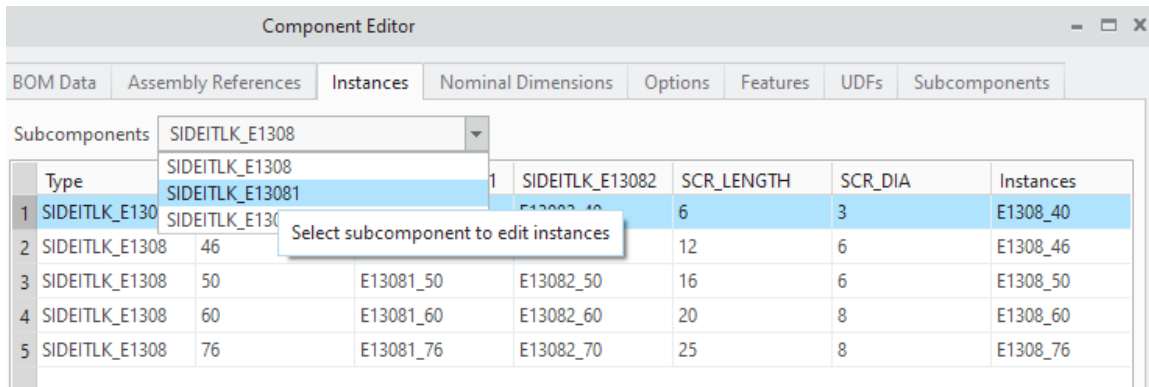
# Enhancement

---

- New HASCO components:
  - Guide component: Z1300
  - Ejector Pins: DLC shouldered Z4430, cylindrical air-ventilated pin Z401
  - Top Interlocks: Cubic interlocks Z060 and Z080, spacer plate Z081.
  - Side Interlocks: Z085.
  - Attachment components: Flange Z167, Cycle Counters A5730, A5730HT, A57300, A57300HT, A5731, A5732
- Existing HASCO components updated to state of Summer 2023

# Enhancement

- Component Editor: Enhanced functionality to edit subcomponent instances  
 → Library Assemblies can be now fully defined in Component Editor.



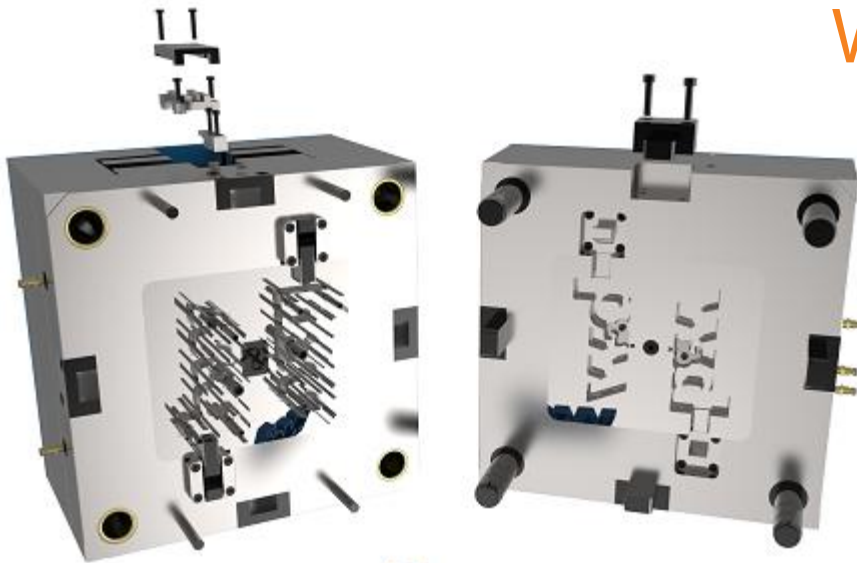
The screenshot shows the 'Component Editor' window with the 'Instances' tab selected. A table lists subcomponent instances with columns for Type, Length, Diameter, and Instances. A dropdown menu is open over the first row, and a tooltip 'Select subcomponent to edit instances' is visible.

Type	Length	Diameter	Instances
SIDEITLK_E1308	46	6	E1308_40
SIDEITLK_E1308	50	6	E1308_50
SIDEITLK_E1308	60	8	E1308_60
SIDEITLK_E1308	76	8	E1308_76

In case subcomponents exists selected from option menu.

# EMX 15.0.3.6

What's New?



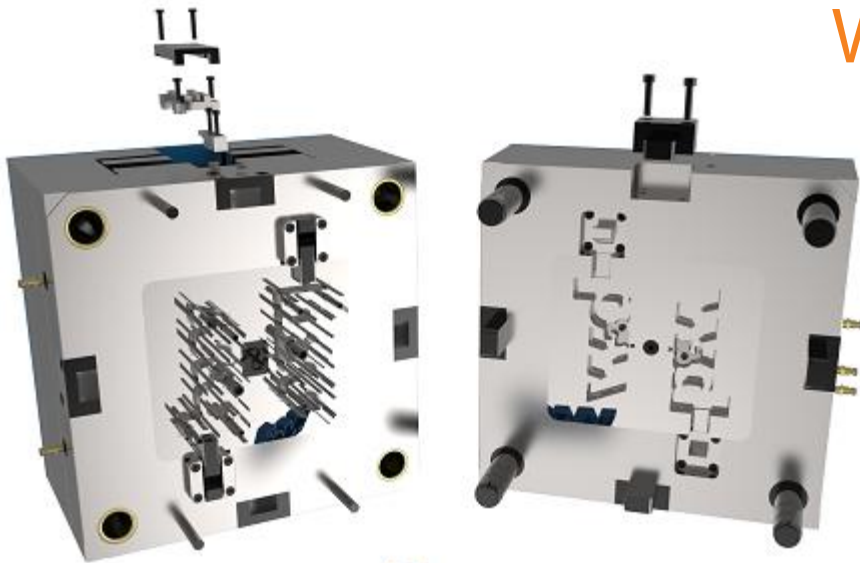
# Enhancement

---

- Meusburger components updated to Status July 2023
- Diverse issues solved

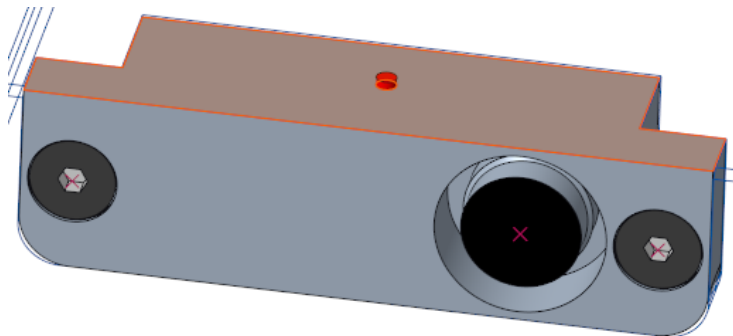
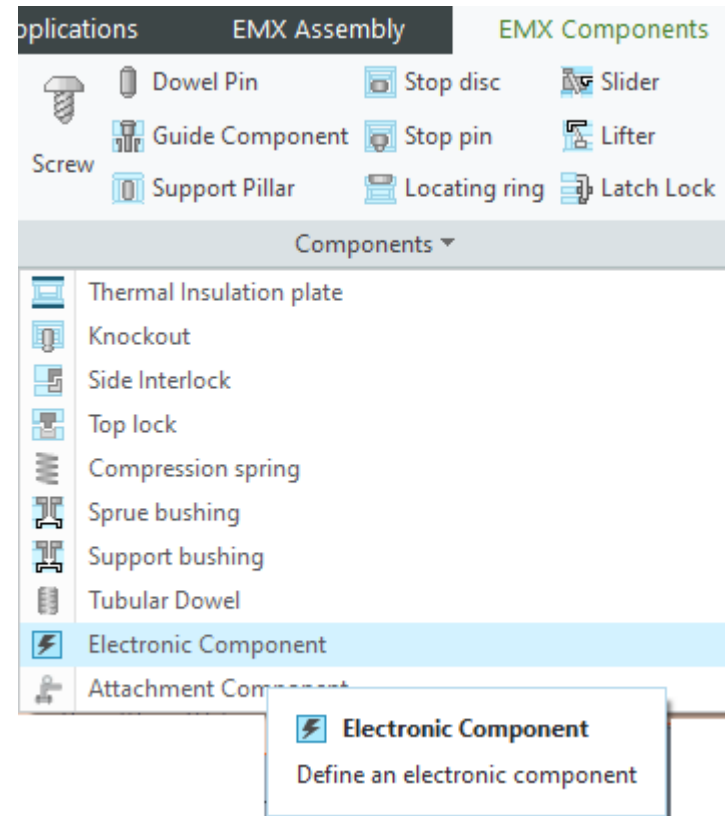
# EMX 15.0.3.4

What's New?



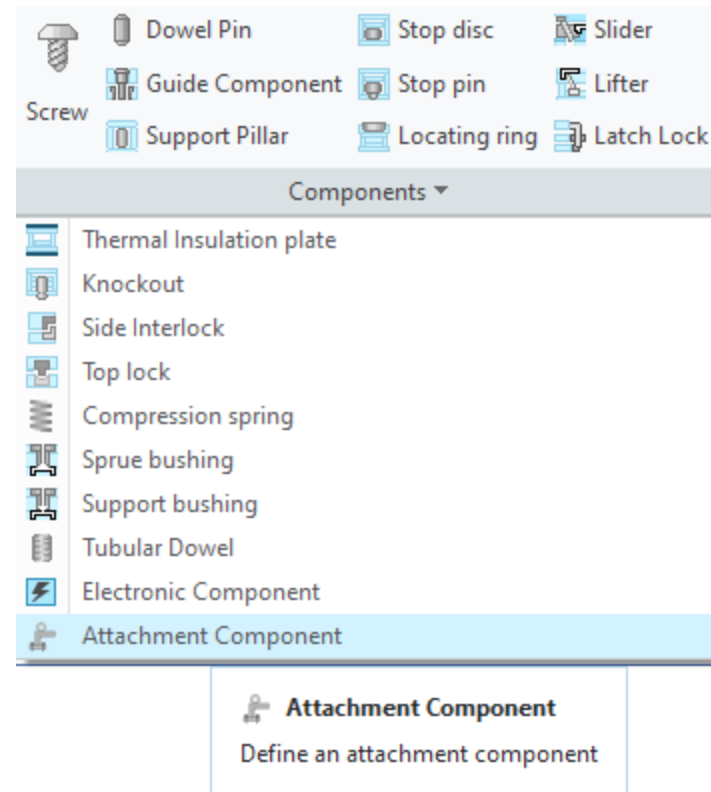
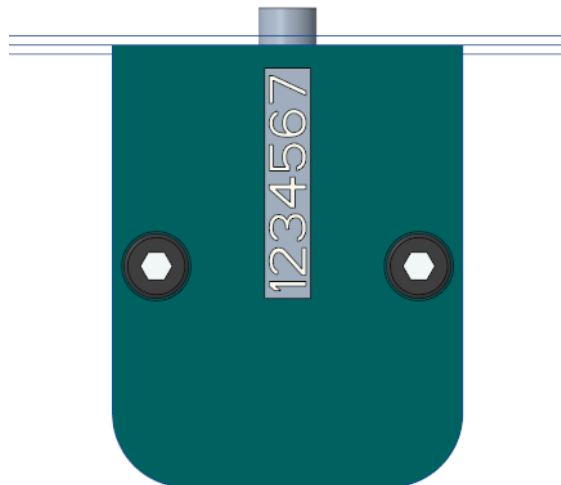
# Enhancement

- New Component Type: **Electronic Components**
- **KNARR:** 807600, 807600-2, 807700, 807700-2, 807650, 808600, 808600-2, 808700, 808700-2, 808650, 807600-4, 808600-4
- **MEUSBURGER:** E6500, E65005, E6502, E65025, E6504, E6505, E65055, E6507, E65075, E6509
- **STRACK:** Z7600, Z7600-2, Z7600-4



# Enhancement

- New Component Type: **Attachment Components**
- **MEUSBURGER** limit switches:  
E6500, E65005, E6502, E65025,  
E6504, E6505
- **MEUSBURGER** transport bridge  
E1930
- **OPTIZ** date stamps



# Enhancements

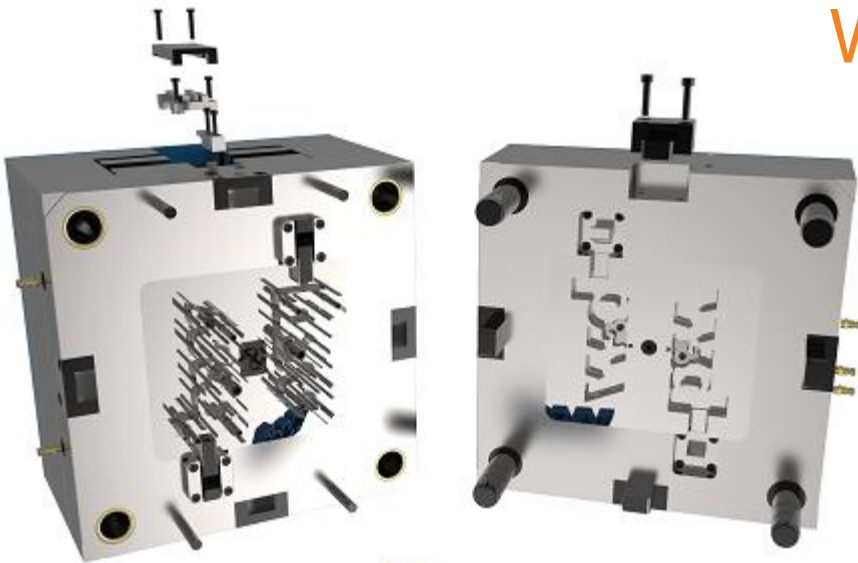
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## New components:

- New KNARR guide FreeLub 517404

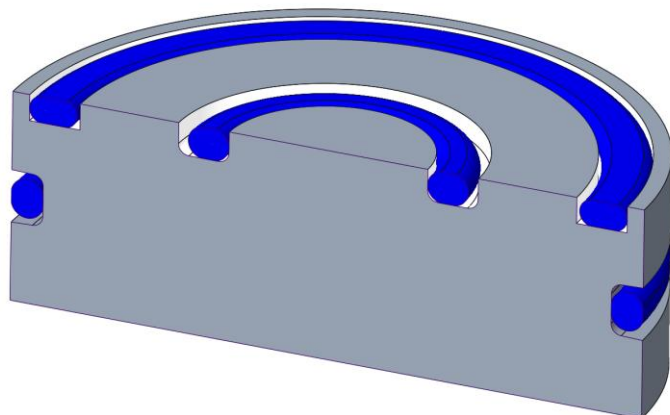
# EMX 15.0.3.1

What's New?



# Enhancement

- New American Standard Sealing Rings for different assembly situations
- Components are assembled as flexible models.
  - Same model can be used in different assembly scenarios.
  - Model changes width based on compressed height without changing the volume of the sealing ring.
- Inner and outer pressure and coaxial scenarios are supported.



Cooling Component

Subassembly: 123

Unit:  mm  inch

Supplier: as

Type: AS568\_AXIAL\_FKM\_75 | O-Ring

Dimension Name	Value	Type
DM2 - Diameter	1.78	
DM1 - Inner Diameter	1.78	
DM_FLEX - Mounting	5.287	
W_GROOVE - W_GROC	2.4	
T_GROOVE_FLEX - Gro	1.5	
DM_RESULT - Result Di	0.487	
OFFSET - Offset	0	

Part Name: 123\_AS568\_004\_1\_78\_1\_78

(1) Curve|Axis|Point (2) Surface

Component options:  Circular Groove  Add additional chamfers to edges

Draft Cut  Without Core Bore

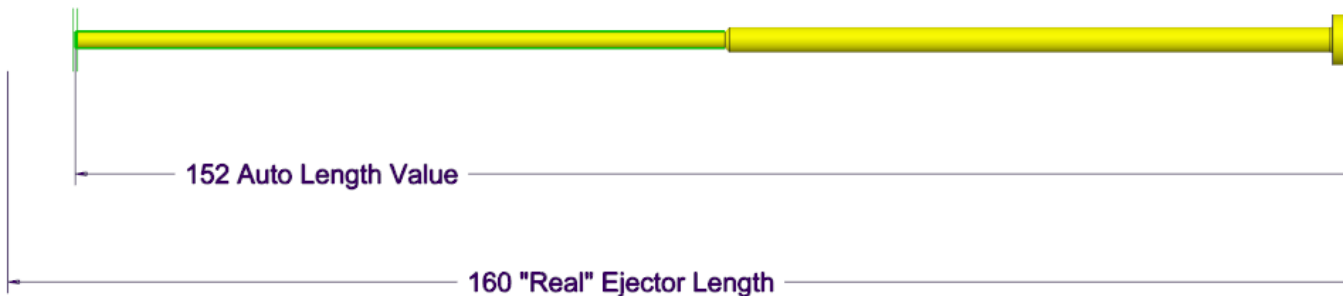
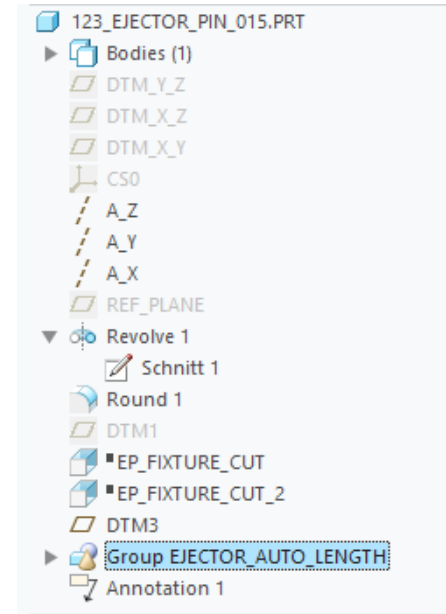
Define depth by: Use curve length

Na:	Value	Tolerances	Rule
D5	1.000		1
T5	0.000		AUTO_DEPTH
D1	5.287		DM_FLEX
T1	1.500		T_GROOVE_FLEX
D3	0.487		DM_FLEX-2*W_GROOV
A	59.000		59
TX	3.000		T_GROOVE_FLEX*2

OK Cancel

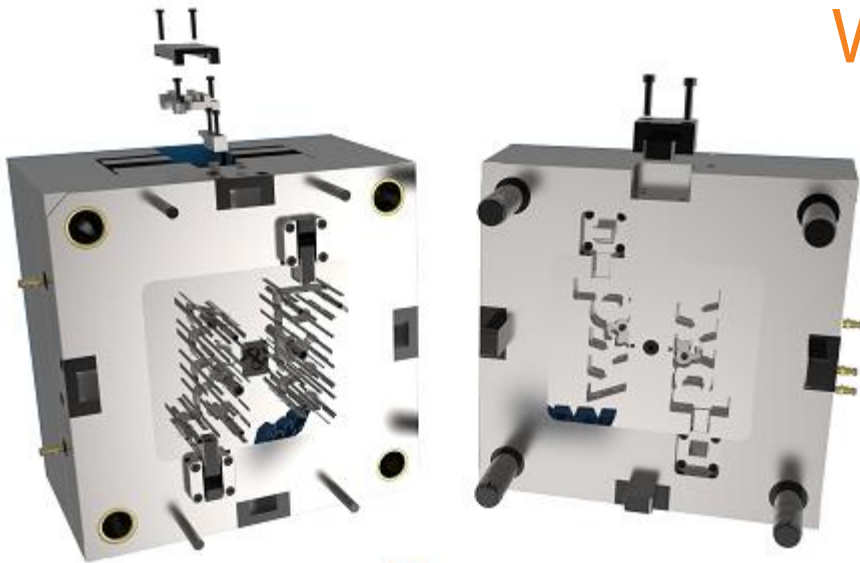
# Improvements

- Improved “Trim” feature behavior for ejector pins
  - Improved “Auto Length” feature behavior for ejector pins
- Auto length feature is now created as additional feature in ejector model.
  - “Real” length of ejector model is untouched.
  - In Modify mode “Auto Length” and “Trim” feature can be unset again.



# EMX 15.0.2.0

What's New?



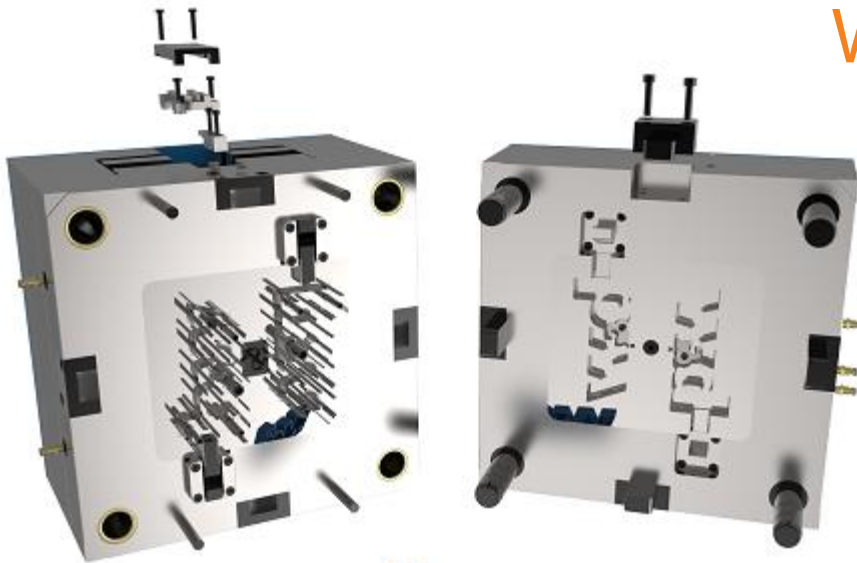
# Improvements

---

- Add new Misumi guide components GPH and GPHL.

# EMX 15.0.1.4

What's New?



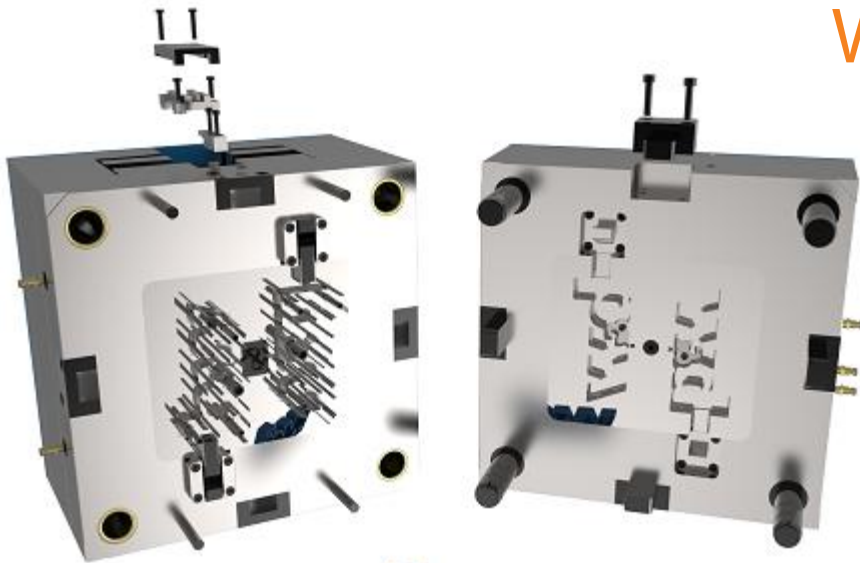
# Improvements

---

- Improved Component Editor
  - Easily create part name rules for assemblies within dat files
  - Improved definition of instance dimensions with right mouse menu
  - etc.
- New config option EXCEL\_TEMPALTE\_PATH to set up default location for Bill of Material Excel template file

# EMX 15.0.0.0

What's New?



# Enhancements

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Compatible with new Creo 9.0.0.0