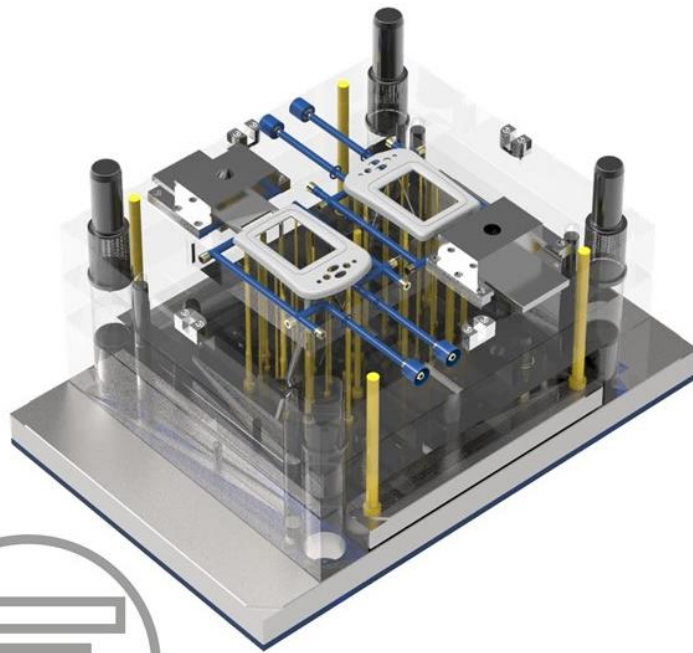


# EMX 9



## What's New?


- Components
- Features
- Tipp
- Tutorioial



# What's New?

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## New Components:

- Misumi – Cooling NPW and M-KOC
  - Misumi – Top Lock TPN
  - Misumi – Flat Ejector Pin ESHJ, ERZF and ERVB
  - Meusburger – Guide E10025
  - Meusburger – Ejector Pin E10125 (DLC Coated)
  - Meusburger – Spring E1546
  - Hasco – Guide Z040
  - Hasco – Locating Ring K107, K501, K506, K1000
  - Knarr – Ejector Pin 37999
- 
- A decorative curved line in the bottom right corner, consisting of a grey outer curve and an orange inner curve.

# What's New?

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## Updated Components:

- Hasco – Locating Ring K100
  - Hasco - Side Interlock Z18/19
  - Hasco – Cooling O-Ring Z98
  - LKM – Side interlocks
  - Meusburger - Insulation Plates E1402 E1403 E1407 E1408
  - Meusburger – Top Interlock E1310
  - PCS – Ejector Pins: All Types Verify and Updated
  - PCS – Support Pillars
  - PCS – Locating Rings
  - Misumi – Ejector Pins Type Verified
- 
- A decorative graphic element consisting of a thick grey curved line with a thin orange line underneath it, located in the bottom right corner of the slide.

# What's New?

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## Updated Plates:

- Futaba - Catalog – All sizes checked and updated

# What's New?

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- EMX 9 M020 Compatibility with **Windows 10**
- **BOM**: Ballon Placement Functionality improved  
→ RMB, Places Ballons Multiple times etc.
- **BOM**: Increase Speed
- **BOM**: PTC Diameter Symbol supported
- **BOM**: Display Windchill &common\_name in BOM
- **Project Dialog**: Length of Postfix and Prefix is checked  
→ Avoid Model names longer 32 characters
- **Waterline Designer**: Delete Waterlines in list via RMB
- **Improved Pattern Dialog**: Redesigned with Spinboxes

## What's New?

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**Calculate Model Size:** Save Volume as Parameter

**Component Dialog:** Highlight subassembly pull-down in case of multiple Subassemblies

**Component Dialog:** New mm Images

**Plate Dialog:** New mm Images

**Option Dialog:** Non Default Values are highlighted

## Tipp: BOM Export with Excel Macro


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### Improvement of Export Functionality to Excel

State till now:

- Export only fix Parameter Names
- Limited Number of Parameters

Now:

- Arbitrary Parameter Names
  - Arbitrary Number
  - Use Custom Excel BOM Template
  - Groups (From ID... to ID) possible
- 
- A decorative curved line in the bottom right corner, consisting of a thick grey arc and a thin orange arc below it.

# Tipp: BOM Export with Excel Macro

## Custom Template

- Set up Columns Pos, Supplier, etc.

	A	B	C	D	E	F
1	<b>Bill Of Material</b>					
2						
3	<b>Pos</b>	<b>Model name</b>	<b>Qty</b>	<b>Bom Name</b>	<b>Supplier</b>	<b>Material</b>
4						

## Set up Import Rules

	A	B	C	D	E	F	G
1	<b>Column mapping</b>	<b>GROUP COLUMN</b>	<b>POS COLUMN</b>				
2	<b>EMX_PARAMETER_NAMES</b>	Model	POS	QTY	BOM_NAME	SUPPLIER	MATERIAL
3	<b>CUSTOMER_COLUMN_NAMES</b>	Model name	Pos	Qty	Bom Name	Supplier	Material
4							
5							
6	Group Titles						
7	<b>GROUP_TITLE</b>	Parts with POS<10	Parts with POS<20				
8	<b>STARTING_POS_NR</b>	10	20				
9							
10	<b>Source File Name</b>						
11	C:\TMP\emx_bom_adv.txt						
12							

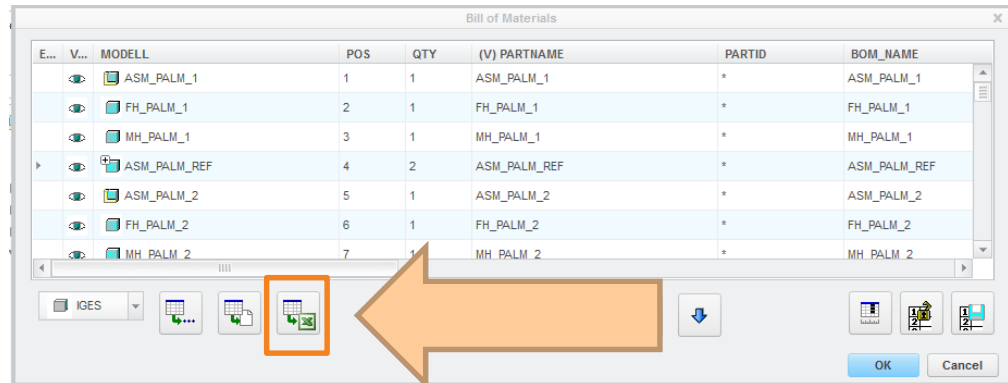
- Column Name and assigned EMX Parameter Name
- POS\_COLUMN: Parameter with Pos ID
- GROUP\_TITLE with Name
- GROUP\_COLUMN: Column for Group Title
- Source File Name: Path to exported text File (EMX Option)



# Tipp: BOM Export with Excel Macro

## Trigger Export of BOM from EMX:

- Open BOM Dialog
- Export-to-Excel Button
- emx\_bom\_adv.xls
- Start Macro in Excel



BOM content is filled

Bill Of Material					
Pos	Model name	Qty	Bom Name	Supplier	Material
1	ASM_PALM_1	1	ASM_PALM_1		
2	FH_PALM_1	1	FH_PALM_1		
3	MH_PALM_1	1	MH_PALM_1		
4	ASM_PALM_REF	2	ASM_PALM_REF		
5	ASM_PALM_2	1	ASM_PALM_2		
6	FH_PALM_2	1	FH_PALM_2		
7	MH_PALM_2	1	MH_PALM_2		
8	TUTOR_EIBASE_PLATE_MH001	1	EjectorRetainerPlate MovingHalf	Meusburger	1730
9	TUTOR_CLP_PLATE_MH001	1	Clampingplate MovingHalf	Meusburger	1730
Parts with POS<10					
10	TUTOR_INT_PLATE_MH001	1	Intermediateplate MovingHalf	Meusburger	1730
11	TUTOR_CAV_PLATE_FH001	1	Cavityplate FixHalf	Meusburger	1730
12	TUTOR_CLP_PLATE_FH001	1	Clampingplate FixHalf	Meusburger	1730
13	TUTOR_RISERS_L_MH001	1	Risers MovingHalf	Meusburger	1730
14	TUTOR_RISERS_R_MH001	1	Risers MovingHalf	Meusburger	1730
15	TUTOR_CAV_PLATE_MH001	1	Cavityplate MovingHalf	Meusburger	1730
16	TUTOR_EJETR_PLATE_MH001	1	EjectorBasePlate MovingHalf	Meusburger	1730
17	TUTOR_E1110_30_66	1	Guidebush	Meusburger	17,131
18	TUTOR_E1110_32_66	3	Guidebush	Meusburger	17,131
19	TUTOR_E1010_30_66_75	1	Leaderpin	Meusburger	17,131
Parts with POS<20					
20	TUTOR_E1010_32_66_75	3	Leaderpin	Meusburger	17,131
21	TUTOR_E1160_42_100	4	Centering Sleeve	Meusburger	17,131
22	TUTOR_E1120_18_17_27	4	Guidebush	Meusburger	20,598
23	TUTOR_E1020_18_120	4	Leaderpin	Meusburger	17,131
24	TUTOR_LOCATING_RING2	1	Locating Ring	Meusburger	1,173
25	TUTOR_INSULATION3	1	Insulation Plate	Meusburger	HARZ
26	TUTOR_INSULATION4	1	Insulation Plate	Meusburger	HARZ
27	SLIDER_PALM	2	SLIDER_PALM		
28	TUTOR_E1200_16_40	4	SHC Screw	Meusburger	12,9
29	TUTOR_E1200_16_180	4	SHC Screw	Meusburger	12,9
30	TUTOR_STOP_ASM2	4	StopdiscScrew	Meusburger	1,173

# EMX Community

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## PTC EMX Community

- PTC Internal Discussions Platform for EMX
- Questions and Answers
- Videos und Presentations



**PTC<sup>®</sup> Community**

# EMX 9 Tutorial

## Large Document:

- 300 Pages PDF
- Collected Knowledge for EMX 9
- Walk Troughs
- Background Information
- EMX 10 Tutorial after Release (January 2017) planed
- 100 € per PDF und Data
- Contact: [thomas@buw-soft.de](mailto:thomas@buw-soft.de)

### Expert Moldbase Extension 9

Tutorial  
11.01.2016

