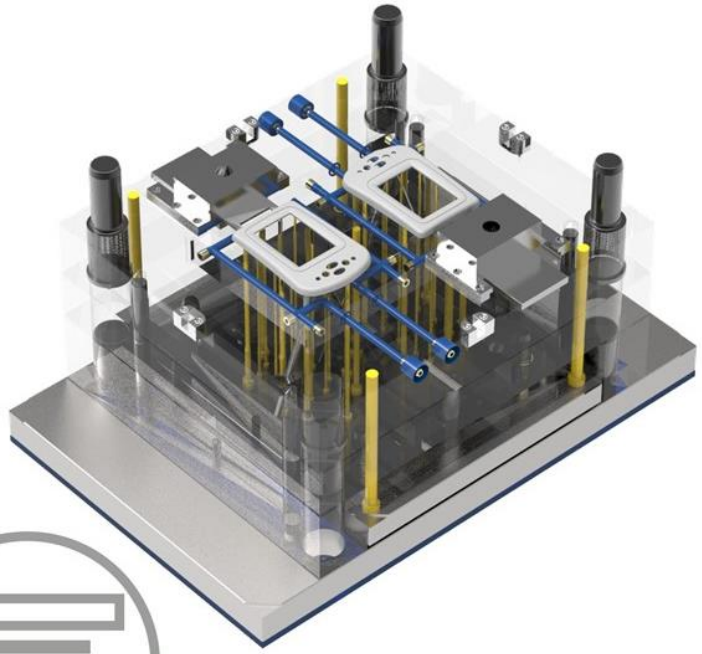
EMX 9



What's New?

- Components
- Features
- Tipp
- Tutoroial

What's New?

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

What's New?

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

What's New?

Updated Plates:

- Futaba - Catalog – All sizes checked and updated

What's New?

- EMX 9 M013 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

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What's New?

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

Improvement of Export Functionality to Excel

State till now:

- Export only fix Parameter Names
- Limited Number of Parameters

Now:

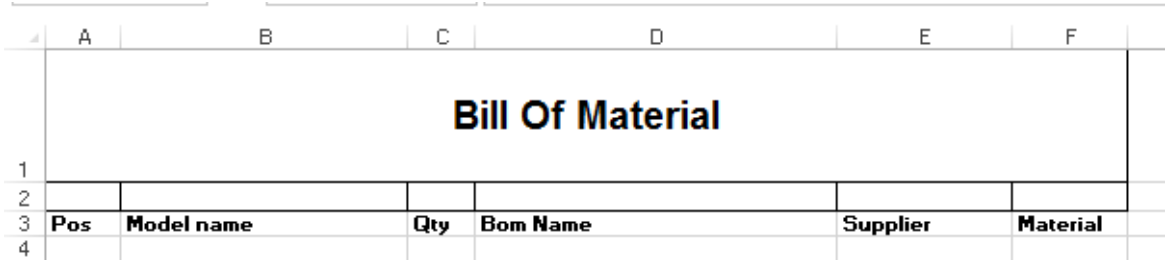
- Arbitrary Parameter Names
- Arbitrary Number
- Use Custom Excel BOM Template
- Groups (From ID… to ID) possible

Tipp: BOM Export with Excel Macro

Custom Template

- Set up Columns

Pos, Supplier, etc.



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

Set up Import Rules

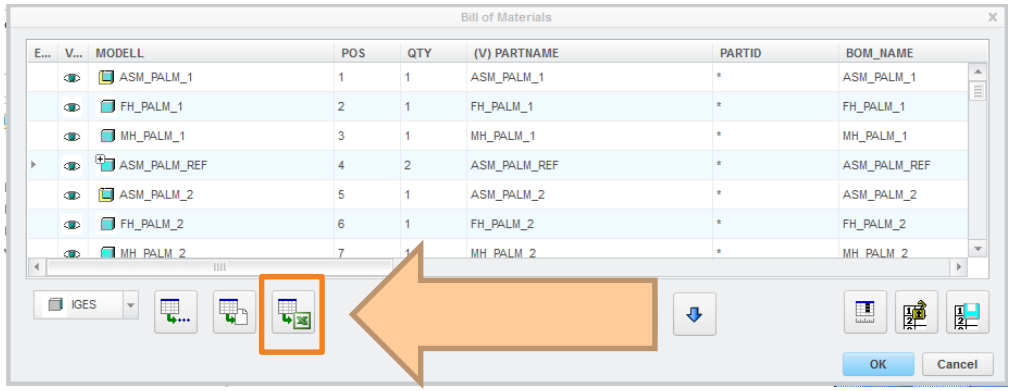
	A	B	C	D	E	F	G
1	**Column mapping**	GROUP_COLUMN	POS_COLUMN				
2	EMX_PARAMETER_NAMES	Model	POS	QTY	BOM_NAME	SUPPLIER	MATERIAL
3	CUSTOMER_COLUMN_NAMES	**Model name**	**Pos**	**Qty**	**Bom Name**	**Supplier**	**Material**
4							
5							
6	Group Titles						
7	GROUP_TITLE	Parts with POS<10	Parts with POS<20				
8	STARTING_POS_NR	10	20				
9							
10	Source File Name						
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_EJBASE_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_EJRET_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	Stopdisc+Screw	Meusburger	1,173

EMX Community

PTC EMX Community

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

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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