



Toys Industry

The Plastic Moulding function of Microsoft® Business Solutions-Axapta® helped the technical plastics/ plastic moulding companies to more effectively formulate the necessary plastics components, thereby seamlessly integrating the specific plastics workflow with the core Axapta manufacturing functions.

Situation

Industry description:
Toys Manufacturing

Objective:
The BOM and product builder are the fundamental features in Microsoft Axapta in product formulation and production order processing. However, these two functions are not sufficient to fulfill the technical plastics & toys industry. In view of the demands arising from our customer in this industry, we have complement these two features with a personalized design of tool plan, deco plan and part list.

Solution Highlight:
Tool plan functions a summary list of plastics materials for making plastics part and deco plan details the relevant decoration tasks for toy production. The part list presents all the materials used in the production process of toys/ plastics.

Automation in the parts formulation is another highlight to shed on this design. The solution will execute automatic creation of WIP item & its BOM version in the following processes:

- BOM for plastic parts based on tool plan
- Item for semi-finished product based on deco plan
- BOM for semi-finished product based on deco plan
- BOM for final product

Lastly the designs equip Inquiry forms to allow users to easily trace back all versions of tool plan, deco plan and part list, which is critical in the product development function.

Benefits:
[Allow good specification of tool plan, deco plan and part list](#)
Specific fields or parameters are needed for the toys/ plastics industry. This solution will supplement the standard product formulation by equipping relevant information essential for the toys/ plastics industry.

[Automatic creation of WIP item & the corresponding BOM version](#)
Based on Axapta Bills of Materials (BOM) structure, the solution will automate the BOM creation for the plastic parts based on tool plan, semi-finished product based on deco plan, and that for the final product.

[Version control of tool plan, deco plan and part list maintenance](#)
Version control is indispensable to BOM and Route - the same to our design in the tool plan ,deco plan and part list. As such all history and current set of information can be maintained for review or analysis.

[System Validation and Approval Management on the mould master, tool plan and deco plan](#)
The workflow management of tool plan and deco plan is equipped with system validations and approval checkpoints, significantly improving the approval workflow.

Tool Plan

版本	混合裝編號	產品編號	包裝成品編號	包裝成品名稱	客戶代碼	客戶名稱
10	Dom	A001	101-1781091-001	骷髏怪開窗盒裝成品 三國語美文版	17	
2	Toy	C123	101-1743013-001	哈利波特升球機法文版包裝成品	17	
3	Toy	C124	101-1747248-003	迷季滑皮車(舒輪)白珠 九國文彩盒包裝...	17	
5	VIC	V002	101-1781093-001	黑光劍士開窗彩盒裝成品 三國語美文版	17	

版本	模代碼	模板本	模類別	每磅淨重(克)	套數 / ...	水口...	狀態	參
10	Dom mould1	1	Trj	184.00	48906	8.00	特定	
10	Dom mould2	5	Blo	25.00	4890	82.67	特定	

版本	英文零件名稱	中文零件名稱	配件編號	配件名稱	每件對
6	Computer	電子鍵盤	401-1970485-240	電腦	
7	Vehicle body	車身中文名	400-1886054-010	車身	

Deco Plan

版本	混合裝編號	產品編號	包裝成品編號	包裝成品名稱	客戶代碼	客戶名
4	Dom	A001	101-1781091-001	骷髏怪開窗盒裝成品 三國語美文版	17	
6	Toy	C123	101-1743013-001	哈利波特升球機法文版包裝成品	17	
8	VIC	V001	101-1781095-001	女巫師開窗彩盒裝成品 三國語美文版	17	
6	VIC	V002	101-1781093-001	黑光劍士開窗彩盒裝成品 三國語美文版	17	

從	版本	工序類型	中文零件名稱	英文零件名稱	配件號碼	配件名稱	半成品配件
4	4	Ransberg	電子鍵盤	Computer	401-1970485-240	電腦	
4	4	Plating	車身中文名	Vehicle body	400-1886054-010	車身	

Part List

版本	混合裝編號	產品編號	包裝成品編號	物料名	客戶代碼	客戶名
9	Toy	C123	101-1743013-001	哈利波特升球機法文版包裝成品	17	
1	Toy	C124	101-1747248-003	迷季滑皮車(舒輪)白珠 九國文彩盒包裝...	17	
13	Dom	A001	101-1781091-001	骷髏怪開窗盒裝成品 三國語美文版	17	
3	VIC	V002	101-1781093-001	黑光劍士開窗彩盒裝成品 三國語美文版	17	

版本	英文零件名稱	中文零件名稱	配件號碼	用料 / 牌子_1	用料
2	Car body	車身	400-1886054-010	KT 1002NS 40	
2	Car body	車身	400-1886054-010	KZ 1002NS 100	
2	Keyboard	鍵盤	401-1970485-230	KZ 1002NS 100	
2	Vehicle body	車身中文名	400-1886054-010		KZ 1
3	Computer	電子鍵盤	528-0001038-000		KZ 1