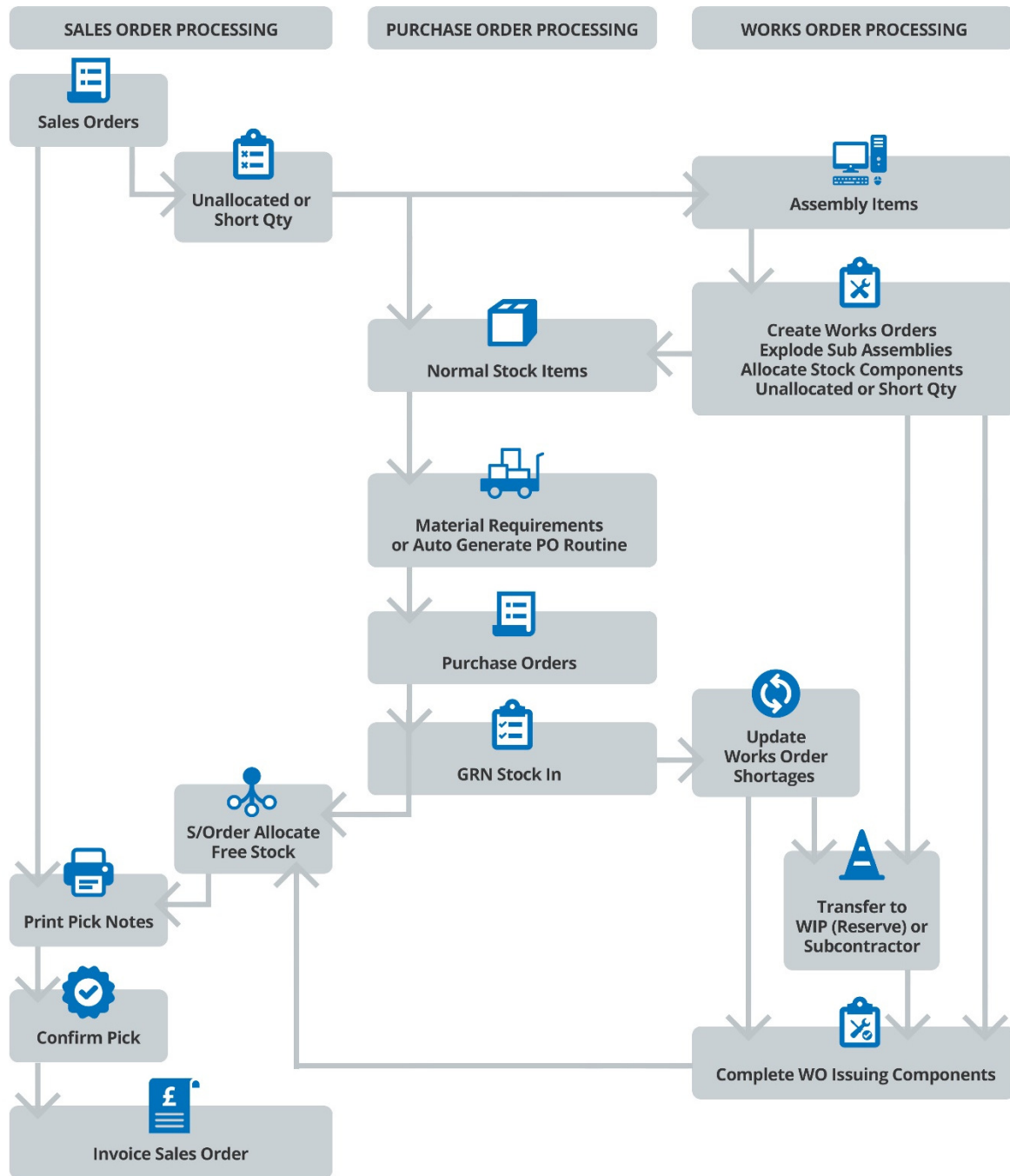


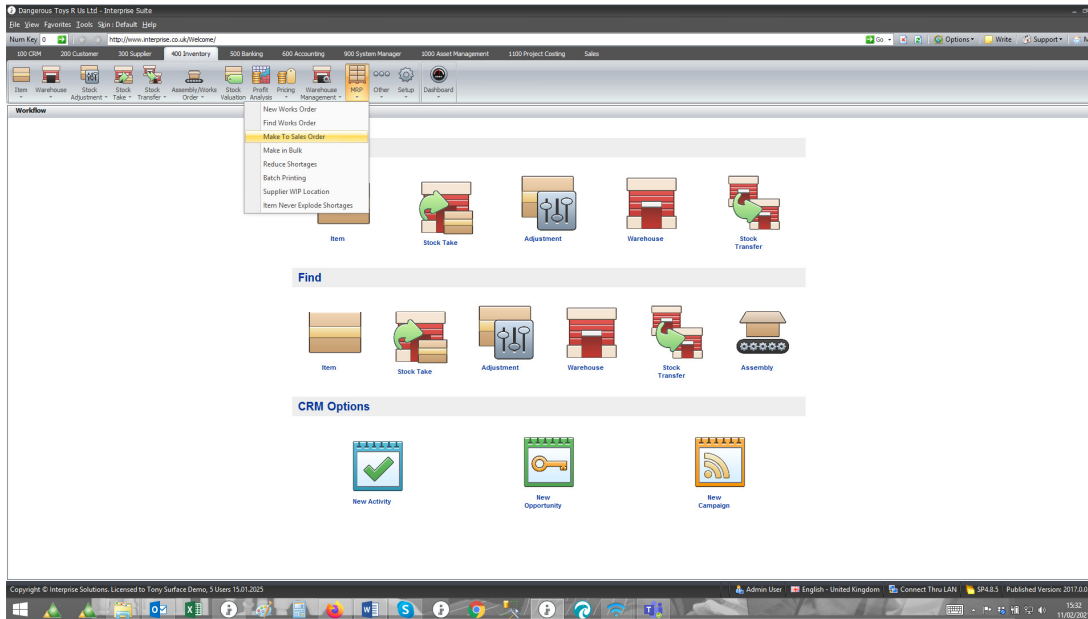


Simple MRP Workflow





Simple MRP Plugin



The MRP plugin was designed to help users know what components they are short to make Assembly Items on unallocated sales orders or based on a Works Order (WO) plan. It also helps control sending stock to a subcontractor to do a process. Menu Option explanations:

New Works Order (WO)

New Works Order

Warehouse: All

Refresh | Export List | Tree View

Enter text to search... Find Clear

Assembly Item Name	Item Description	Category	UM	In Stock	On SO	Allocated	Free St...	Unalloca...	On POOrder	In Transit	Other	Potential Stock
> ChairWheels	Chair & Wheels		EACH	15.00	0.00	0.00	15.00	0.00	109.00	0.00	0.00	124.00
Bike	Bike	Bikes	EACH	9.00	8.00	6.00	3.00	2.00	25.00	0.00	0.00	26.00
Wheel+Tyres	Wheels + Tyres		EACH	16.00	28.00	16.00	0.00	12.00	9.00	0.00	0.00	-3.00
Bike 2	Bike 2		EACH	0.00	1.00	0.00	0.00	1.00	3.00	0.00	0.00	2.00
FIN NIM Watermelon Printed	FIN NIM Waterm...		EACH	49,001.00	52,004.00	48,004.00	997.00	4,000.00	6.00	0.00	0.00	-2,997.00
TP 1	T 1		EACH	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	2.00
AS3 Handle Bar Chrome	AS3 Handle Bars...		EACH	4.00	46.00	4.00	0.00	42.00	42.00	0.00	0.00	0.00
AS2 Handle Bars	AS2 Handle Bars		EACH	0.00	62.00	0.00	0.00	62.00	46.00	0.00	0.00	-16.00
AS3 Chain	AS3 Chain		EACH	1.00	44.00	1.00	0.00	43.00	41.00	0.00	0.00	-2.00
AS3 Gear Spokes	AS3 Gear Spokes		EACH	0.00	43.00	0.00	0.00	43.00	42.00	0.00	0.00	-1.00
AS2 Gears & Chains	AS2 Gears & Ch...		EACH	0.00	62.00	0.00	0.00	62.00	43.00	0.00	0.00	-19.00
AS2 Wheels & Tyres	AS2 Wheels & T...		EACH	3.00	62.00	3.00	0.00	59.00	72.00	0.00	0.00	13.00
AS1 20" Bike	AS1 20" Bike		EACH	2.00	9.00	1.00	1.00	8.00	64.00	0.00	0.00	57.00
AS1 Computer 8/80/19	AS1 Computer 8...		EACH	0.00	3.00	0.00	0.00	3.00	6.00	0.00	0.00	3.00
AS2 BaseUnit 8/80	AS2 Base Unit 8...		EACH	0.00	9.00	0.00	0.00	9.00	15.00	0.00	0.00	6.00
ASS TP Batch FIN	AS TP Batch FIN		EACH	5.00	0.00	0.00	5.00	0.00	2.00	0.00	0.00	7.00
ASS TP BATCH 2	ASS TP BATCH 2		EACH	5.00	0.00	0.00	5.00	0.00	11.00	0.00	0.00	16.00

Ready

The new works order menu option allows us to see all Assembly items and what their potential stock Qty is. The potential is based on what is in stock, less what is on sales order or required in WOs, plus what is already on PO or being made.



Works Order - WO-000066 - AS1 20" Bike

Home Num Key 0

Save Save and Close Refresh Explode All Sub-Assemblies Transfer Components to WIP Complete WO / Issue Components Allocate Components UnAllocate Components Delete WO & Any Sub WOs Print

General

Item Name: AS1 20" Bike Qty to Make: 2 UM: EACH Item Description: AS1 20" Bike
 WO Code: WO-000066 WO Date: 30/01/2021 WO Production Date: 30/01/2021
 WO Status: Outstanding WO Notes: Parent WO Code:
 SO Date: SO Code: SO Customer Name:
 SO OA Due Date: SO Ship Date: SO Item Line Due Date:
 Finished Item Warehouse To: MAIN Location To: Location1 Adjustment IN Code:

Sub Contract WO

SC Service Non Stock Item line: Supplier Name: Cost Price: 0.00 Create PO:

Transfer Components to WIP/SC

WIP/SC Warehouse To: LON Location To: Location1
 Transfer components to WIP Reverse Stock Transfer

Components Warehouse

Components Warehouse From: MAIN Overall % Components Allocated: 40 Adjustment OUT Code:

Item Name	Item Description	Item Type	Instruction ...	Qty Required	Qty Allocated	Qty Unalloc...	UM	Create Sub Assem...	WO Code	Standard/Average Cost ...	Line Total
> C Rubber Seat	C Rubber Seat	Stock		2	2.00	0.00	EACH			£ 0.00	£ 0.00
C Sticker	C Sticker	Stock		2	2.00	0.00	EACH			£ 10.00	£ 20.00
AS2 Gears & Chains	AS2 Gears & Chains	Assembly		2	0.00	2.00	EACH	Create		£ 220.00	£ 440.00
AS2 Handle Bars	AS2 Handle Bars	Assembly		2	0.00	2.00	EACH	Create		£ 30.00	£ 60.00
AS2 Wheels & Tyres	AS2 Wheels & Tyres	Assembly		2	0.00	2.00	EACH	Create		£ 60.00	£ 120.00

Total = £ 640.00

Ready

The Works Order form above allows us to specify the Qty to Make. This will automatically try to allocate the components. If any are short and also assembly items we have a toolbar button to "Explode All Sub-Assemblies" and this will automatically create any Sub Works Orders.

The General section contains the Assembly item we want to make. If it is linked to a sales order then there is also information from the SO.

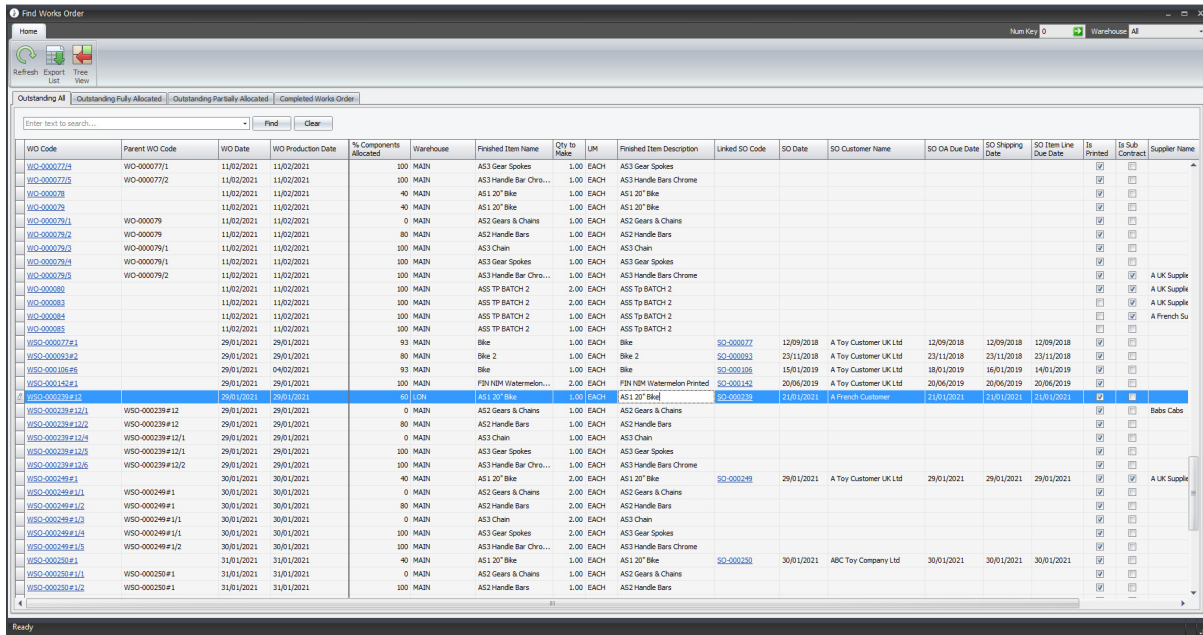
The Subcontract WO section allows you to specify a supplier that does the build or process. You can use a non stock item for the process and a cost price. You can create a PO for the Subcontractor to do the process. This can then follow the GRN and Bill procedure for the work.

The Transfer to WIP section allows you to take the components from stock and into a WIP location. It could be that you want to issue the stock to the shop floor. Or it could be that you want to send the components to the subcontractor supplier for the process to be done.

The Components section is a list of all the components and the Qty required and allocated. If any are sub-assemblies if there are unallocated qty you can create sub works orders. Sub works orders take the number /1 /2 etc. so we know they are all related.

You can change the Qty of any components, Add or Remove components from the list by right mouse clicking.

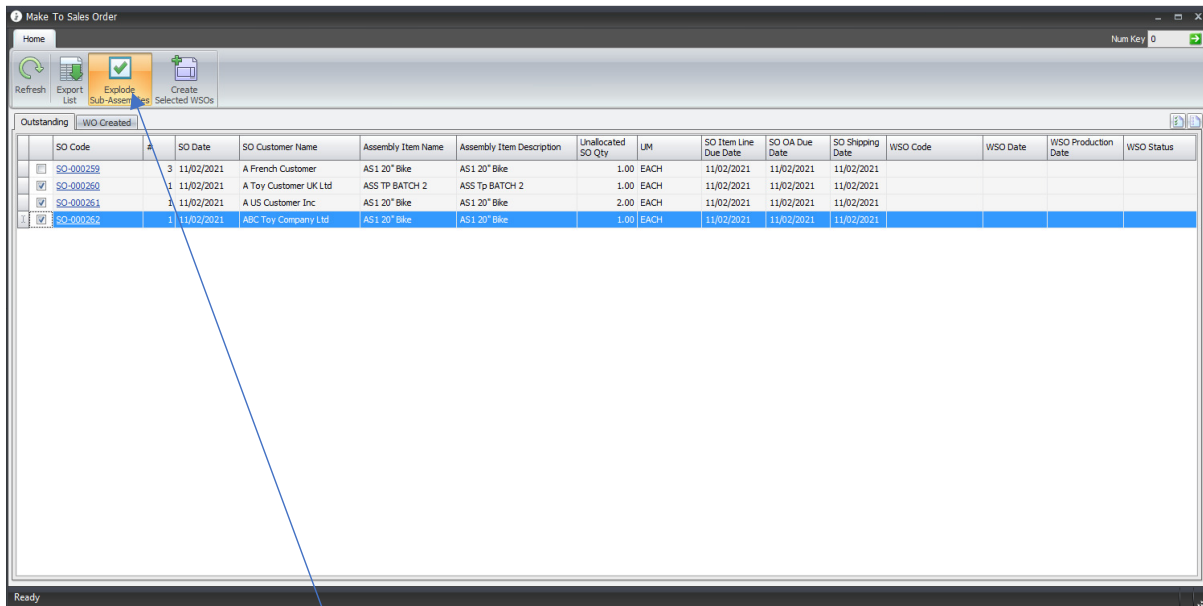
Find Works Orders



WO Code	Parent WO Code	WO Date	WO Production Date	% Components Allocated	Warehouse	Finished Item Name	Qty to Make	LIM	Finished Item Description	Linked SO Code	SO Date	SO Customer Name	SO OA Due Date	SO Shipping Date	SO Item Line Due Date	Is Printed	Is Sub Contract	Supplier Name
WO-0000771	WO-0000771	11/02/2021	11/02/2021	100	MAIN	AS3 Gear Spokes	1.00	EACH	AS3 Gear Spokes							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-0000772	WO-0000772	11/02/2021	11/02/2021	100	MAIN	AS3 Handle Bar Chrome	1.00	EACH	AS3 Handle Bars Chrome							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000078		11/02/2021	11/02/2021	40	MAIN	AS1 20" Bike	1.00	EACH	AS1 20" Bike							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000079		11/02/2021	11/02/2021	40	MAIN	AS1 20" Bike	1.00	EACH	AS1 20" Bike							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000079/1	WO-000079	11/02/2021	11/02/2021	0	MAIN	AS2 Gears & Chains	1.00	EACH	AS2 Gears & Chains							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000079/2	WO-000079	11/02/2021	11/02/2021	80	MAIN	AS2 Handle Bars	1.00	EACH	AS2 Handle Bars							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000079/3	WO-000079/1	11/02/2021	11/02/2021	100	MAIN	AS3 Chan	1.00	EACH	AS3 Chan							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000079/4	WO-000079/1	11/02/2021	11/02/2021	100	MAIN	AS3 Gear Spokes	1.00	EACH	AS3 Gear Spokes							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000079/5	WO-000079/2	11/02/2021	11/02/2021	100	MAIN	AS3 Handle Bar Chrome	1.00	EACH	AS3 Handle Bars Chrome							<input checked="" type="checkbox"/>	<input type="checkbox"/>	A UK Supply
WO-000080	WO-000079/2	11/02/2021	11/02/2021	100	MAIN	ASS TP BATCH 2	2.00	EACH	ASS TP BATCH 2							<input checked="" type="checkbox"/>	<input type="checkbox"/>	A UK Supply
WO-000081		11/02/2021	11/02/2021	100	MAIN	ASS TP BATCH 2	2.00	EACH	ASS TP BATCH 2							<input checked="" type="checkbox"/>	<input type="checkbox"/>	A French Su
WO-000084		11/02/2021	11/02/2021	100	MAIN	ASS TP BATCH 2	1.00	EACH	ASS TP BATCH 2							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WO-000085		11/02/2021	11/02/2021	100	MAIN	ASS TP BATCH 2	1.00	EACH	ASS TP BATCH 2							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1		29/01/2021	29/01/2021	93	MAIN	Bike	1.00	EACH	Bike	SO-000227	12/09/2018	A Toy Customer UK Ltd	12/09/2018	12/09/2018	12/09/2018	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/2		29/01/2021	29/01/2021	80	MAIN	Bike 2	1.00	EACH	Bike 2	SO-000221	23/11/2018	A Toy Customer UK Ltd	23/11/2018	23/11/2018	23/11/2018	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/3		29/01/2021	29/01/2021	93	MAIN	Bike	1.00	EACH	Bike	SO-000195	15/01/2019	A Toy Customer UK Ltd	15/01/2019	15/01/2019	15/01/2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/4		29/01/2021	29/01/2021	100	MAIN	FINISH Watermelon...	2.00	EACH	FINISH Watermelon Printed	SO-000142	20/06/2019	A Toy Customer UK Ltd	20/06/2019	20/06/2019	20/06/2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/11		29/01/2021	29/01/2021	60	LCN	AS1 20" Bike	1.00	EACH	AS1 20" Bike	SO-000238	21/01/2021	A French Customer	21/01/2021	21/01/2021	21/01/2021	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/12/1	WSO-000239/12	29/01/2021	29/01/2021	0	MAIN	AS2 Gears & Chains	1.00	EACH	AS2 Gears & Chains							<input checked="" type="checkbox"/>	<input type="checkbox"/>	Babs Cabs
WSO-000239/12/2	WSO-000239/12	29/01/2021	29/01/2021	80	MAIN	AS2 Handle Bars	1.00	EACH	AS2 Handle Bars							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/12/3	WSO-000239/12/1	29/01/2021	29/01/2021	0	MAIN	AS3 Chan	1.00	EACH	AS3 Chan							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/12/4	WSO-000239/12/1	29/01/2021	29/01/2021	0	MAIN	AS3 Gear Spokes	1.00	EACH	AS3 Gear Spokes							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/12/5	WSO-000239/12/1	29/01/2021	29/01/2021	100	MAIN	AS3 Handle Bar Chrome	1.00	EACH	AS3 Handle Bars Chrome							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/12/6	WSO-000239/12/2	29/01/2021	29/01/2021	100	MAIN	AS3 Handle Bar Chrome	1.00	EACH	AS3 Handle Bars Chrome							<input checked="" type="checkbox"/>	<input type="checkbox"/>	A UK Supply
WSO-000239/1		30/01/2021	30/01/2021	40	MAIN	AS1 20" Bike	2.00	EACH	AS1 20" Bike	SO-000259	29/01/2021	A Toy Customer UK Ltd	29/01/2021	29/01/2021	29/01/2021	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/1	WSO-000239/1	30/01/2021	30/01/2021	0	MAIN	AS2 Gears & Chains	2.00	EACH	AS2 Gears & Chains							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/2	WSO-000239/1	30/01/2021	30/01/2021	80	MAIN	AS2 Handle Bars	2.00	EACH	AS2 Handle Bars							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/3	WSO-000239/1/1	30/01/2021	30/01/2021	0	MAIN	AS3 Chan	2.00	EACH	AS3 Chan							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/4	WSO-000239/1/1	30/01/2021	30/01/2021	100	MAIN	AS3 Gear Spokes	2.00	EACH	AS3 Gear Spokes							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/5	WSO-000239/1/2	30/01/2021	30/01/2021	100	MAIN	AS3 Handle Bar Chrome	2.00	EACH	AS3 Handle Bars Chrome							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/6	WSO-000239/1/1	31/01/2021	31/01/2021	40	MAIN	AS1 20" Bike	1.00	EACH	AS1 20" Bike	SO-000250	30/01/2021	ABC Toy Company Ltd	30/01/2021	30/01/2021	30/01/2021	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/1	WSO-000239/1/1	31/01/2021	31/01/2021	0	MAIN	AS2 Gears & Chains	1.00	EACH	AS2 Gears & Chains							<input checked="" type="checkbox"/>	<input type="checkbox"/>	
WSO-000239/1/2	WSO-000239/1/1	31/01/2021	31/01/2021	100	MAIN	AS2 Handle Bars	1.00	EACH	AS2 Handle Bars							<input checked="" type="checkbox"/>	<input type="checkbox"/>	

This is a list of outstanding works orders.

Make to Sales Order



SO Code	SO Date	SO Customer Name	Assembly Item Name	Assembly Item Description	Unallocated SO Qty	LIM	SO Item Line Due Date	SO OA Due Date	SO Shipping Date	WSO Code	WSO Date	WSO Production Date	WSO Status	
<input checked="" type="checkbox"/> SO-000259	3	11/02/2021	A French Customer	AS1 20" Bike	AS1 20" Bike	1.00	EACH	11/02/2021	11/02/2021	11/02/2021				
<input checked="" type="checkbox"/> SO-000260	1	11/02/2021	A Toy Customer UK Ltd	ASS TP BATCH 2	ASS TP BATCH 2	1.00	EACH	11/02/2021	11/02/2021	11/02/2021				
<input checked="" type="checkbox"/> SO-000261	1	11/02/2021	A US Customer Inc	AS1 20" Bike	AS1 20" Bike	2.00	EACH	11/02/2021	11/02/2021	11/02/2021				
<input checked="" type="checkbox"/> SO-000262	1	11/02/2021	ABC Toy Company Ltd	AS1 20" Bike	AS1 20" Bike	1.00	EACH	11/02/2021	11/02/2021	11/02/2021				

This is a list of all outstanding sales order item lines with an Assembly item and unallocated qty.

I can tick the "Explode Sub-Assemblies Button" so when I create the works orders it will explode any shortages of other sub assembly items automatically.

Find Works Order

Home Num Key 0 Warehouse All

Refresh Export List View

Outstanding All Outstanding Fully Allocated Outstanding Partially Allocated Completed Works Order

249 Find Clear

WO Code	Parent WO Code	WO Date	WO Production Date	% Components Allocated	Warehouse	Finished Item Name	Qty to Make	UM	Finished Item Description	Linked SO Code	SO Date	SO Customer Name	SO OA Due Date	SO Shipping Date	SO Item Line Due Date	Is Printed	Is Sub Contract	Supplier Name	Linked PO for Process
WSO-000249#1		30/01/2021	30/01/2021	40	MAIN	AS1 20" Bike	2.00	EACH	AS1 20" Bike	SO-000249	29/01/2021	A Toy Customer UK Ltd	29/01/2021	29/01/2021	29/01/2021	<input type="checkbox"/>	<input type="checkbox"/>		
WSO-000249#1/1	WSO-000249#1	30/01/2021	30/01/2021	0	MAIN	AS2 Gears & Chains	2.00	EACH	AS2 Gears & Chains							<input type="checkbox"/>	<input type="checkbox"/>		
WSO-000249#1/2	WSO-000249#1	30/01/2021	30/01/2021	0	MAIN	AS2 Handle Bars	2.00	EACH	AS2 Handle Bars							<input type="checkbox"/>	<input type="checkbox"/>		
WSO-000249#1/3	WSO-000249#1	30/01/2021	30/01/2021	0	MAIN	AS2 Chain	2.00	EACH	AS2 Chain							<input type="checkbox"/>	<input type="checkbox"/>		
WSO-000249#1/4	WSO-000249#1	30/01/2021	30/01/2021	100	MAIN	AS3 Gear Spokes	2.00	EACH	AS3 Gear Spokes							<input type="checkbox"/>	<input type="checkbox"/>		
WSO-000249#1/5	WSO-000249#1/2	30/01/2021	30/01/2021	100	MAIN	AS3 Handle Bar Chrome	2.00	EACH	AS3 Handle Bars Chrome							<input type="checkbox"/>	<input type="checkbox"/>		

If we look at SO 249 you can see that the Bike has multiple Sub-Assemblies that are not in stock so its created sub works orders. Sub works orders are linked by /1 /2 /3 etc.

If a Works Order is a manual WO to a plan then its prefixed WO. If it is linked to a Sales Order its prefixed WSO-SameSOnumber. So you know that this Works order is linked to a sales order. The #1 is the item line number in the linked SO.

Works Order - WSO-000249#1 - AS1 20" Bike

Home Num Key 0

Save Save and Close Refresh Explode All Sub-Assemblies Transfer Components to WIP Complete WO / Issue Components Allocate UnAllocate Delete WO & Any Sub WOs Print

General

Item Name: AS1 20" Bike Qty to Make: 2 UOM: EACH Item Description: AS1 20" Bike

WO Code: WSO-000249#1 WO Date: 30/01/2021 WO Production Date: 30/01/2021

WO Status: Outstanding WO Notes: Parent WO Code:

SO Date: 29/01/2021 SO Code: SO-000249 SO Customer Name: A Toy Customer UK Ltd

SO OA Due Date: 29/01/2021 SO Ship Date: 29/01/2021 SO Item Line Due Date: 29/01/2021

Finished Item Warehouse To: MAIN Location To: Location1 Adjustment IN Code:

Sub Contract WO

SC Service Non Stock Item line: Supplier Name: Cost Price: Create PO:

Transfer Components to WIP/SC

WIP/SC Warehouse To: LON Location To: Location1

Transfer components to WIP Reverse Stock Transfer

Components Warehouse

Components Warehouse From: MAIN Overall % Components Allocated: 40 Adjustment OUT Code:

Components

Item Name	Item Description	Item Type	Instruction ...	Qty Required	Qty Allocated	Qty Unalloc...	UM	Create Sub Assem...	WO Code	Standard/Average Cost ...	Line Total
C Rubber Seat	C Rubber Seat	Stock		2	2.00	0.00	EACH			£ 0.00	£ 0.00
C Sicker	C Sicker	Stock		2	2.00	0.00	EACH			£ 10.00	£ 20.00
AS2 Gears & Chains	AS2 Gears & Chains	Assembly		2	0.00	2.00	EACH		WSO-000249...	£ 220.00	£ 440.00
AS2 Handle Bars	AS2 Handle Bars	Assembly		2	0.00	2.00	EACH		WSO-000249...	£ 30.00	£ 60.00
AS2 Wheels & Tyres	AS2 Wheels & Tyres	Assembly		2	0.00	2.00	EACH	Create		£ 60.00	£ 120.00

Total = £ 640.00

If we look at the first Works Order you can see the 2 sub assembly works orders created. NB that one of the sub-assemblies has not had a works order created automatically. This is because in setup we have stated to never explode shortages on this assembly item. This is



usually when we make in bulk of the item so want to do a bigger works order for assemblies.

This leads us onto the next menu item Make in Bulk.

Make in Bulk

	Item Name	Description	UM	Qty in St...	Qty Allocated	Qty Unallocated	Qty on PO	Potential Stock	WO Qty Req		WO Code
>	ChairWheels	Chair & Wheels	EACH	13.00	0.00	0.00	109.00	122.00	0	Create	
	Bike	Bike	EACH	9.00	6.00	2.00	25.00	26.00	0	Create	
	Wheel+Tyres	Wheels + Tyres	EACH	16.00	16.00	12.00	9.00	-3.00	3	Create	
	Bike 2	Bike 2	EACH	0.00	0.00	1.00	3.00	2.00	0	Create	
	FIN NIM Watermelon P...	FIN NIM Watermelon Printed	EACH	49,001.00	48,004.00	4,000.00	4.00	-2,999.00	2,999	Create	
	TP 1	T 1	EACH	0.00	0.00	0.00	2.00	2.00	0	Create	
	AS3 Handle Bar Chrome	AS3 Handle Bars Chrome	EACH	5.00	5.00	52.00	37.00	-15.00	0	Create	
	AS2 Handle Bars	AS2 Handle Bars	EACH	0.00	0.00	57.00	57.00	0.00	0	Create	
	AS3 Chain	AS3 Chain	EACH	1.00	1.00	37.00	35.00	-2.00	2	Create	
	AS3 Gear Spokes	AS3 Gear Spokes	EACH	0.00	0.00	37.00	37.00	0.00	0	Create	
	AS2 Gears & Chains	AS2 Gears & Chains	EACH	0.00	0.00	57.00	37.00	-20.00	20	Create	
	AS2 Wheels & Tyres	AS2 Wheels & Tyres	EACH	3.00	3.00	54.00	72.00	18.00	0	Create	
	AS1 20" Bike	AS1 20" Bike	EACH	2.00	1.00	14.00	59.00	46.00	0	Create	
	AS1 Computer 8/80/19	AS1 Computer 8Gb 80HD ...	EACH	0.00	0.00	4.00	6.00	2.00	0	Create	
	AS2 BaseUnit 8/80	AS2 Base Unit 8Gb 80HD	EACH	0.00	0.00	9.00	11.00	2.00	0	Create	
	ASS TP Batch FIN	AS TP Batch FIN	EACH	5.00	0.00	0.00	2.00	7.00	0	Create	
	ASS TP BATCH 2	ASS Tp BATCH 2	EACH	9.00	2.00	1.00	12.00	18.00	0	Create	

You may not make to sales order. You may release works orders in bulk. The above shows all the potential qty for assembly items. So you could create works orders to cover all sales orders not 1:1.



Reduce Shortages

If you have had a delivery of components then you can see what works orders are waiting for them and allocate them in bulk with this routine. You can filter by WO and SO dates.

Batch Printing

Batch Printing allows you to print in bulk: Labels, Pick Notes, Sub Contractor Delivery Notes and Works Orders. You also do this in an individual WO form as well.

WO Production Sheet

Dangerous Toys R Us Ltd

Works Order
WSO-000249#1

Item Name	AS1 20" Bike	Qty to Make	2.00	Item Description	AS1 20" Bike
WO Code	WSO-000249#1	WO Date	30/01/2021	WO Production Date	30/01/2021
WO Status	Outstanding	WO Notes		Parent WO Code	
SO Date	29/01/2021	SO Code	SO-000249	SO Customer Name	A Toy CustomerUKLtd
SO OA Due Date	29/01/2021	SO Ship Date	29/01/2021	SO Item Line Due Date	29/01/2021
Finish Item Warehouse To	MAIN	Location To	Location1	Adjustment IN Code	
Sub Contract WO	<input type="checkbox"/>	Supplier Name		Cost Price	
SC Service Non Stock Item Line	<input type="checkbox"/>	Location To	Location1	Adjustment IN	
WIP/SC Warehouse To	LON	Adjustment IN			

Item Name	Item Description	Instruction	Qty Required	UM	WO Code	Standard/Average Cost Price	Line Total
AS2 Gears & Chains	AS2 Gears & Chains		1.000000	EACH	WSO-000249#1/1	220.00	440.00
AS2 Handle Bars	AS2 Handle Bars		1.000000	EACH	WSO 000249#1/2	30.00	60.00
AS2 Wheels & Tyres	AS2 Wheels & Tyres		1.000000	EACH		60.00	120.00
C Rubber Seat	C Rubber Seat		1.000000	EACH		.00	.00
C Sticker	C Sticker		1.000000	EACH		10.00	20.00
Totals			10.000000			320.00	640.00

Date Printed: 30 January 2021 Page 1 of 1

WO Sub Contract Delivery Note

Dangerous Toys R Us Ltd

3000 Aviatory Way
Manchester Business Park
Manchester
Greater Manchester M22 5TG
United Kingdom
T 0845 032 7000 F 0845 032 8000
VAT Reg No. GB123 4567 89 Co. Reg. OC12345678
EORI 123457889000

WO Sub Contract Delivery Note
WSO-000249#1

CUSTOMER	SHIP TO
MRP United Kingdom	A UK Supplier Unit 3 Mill Street Manchester Greater Manchester M111WE United Kingdom 0845 600 800
WO Date	30/01/2021
WO Production Date	30/01/2021

Warehouse	Location	Item Name	Item Description	Qty To Pick	UM	Qty Picked
MAIN	Location 1	C Sticker	C Sticker	2	EACH	_____
		AS2 Handle Bars	AS2 Handle Bars		EACH	_____
		AS2 Gears & Chains	AS2 Gears & Chains		EACH	_____
		AS2 Wheels & Tyres	AS2 Wheels & Tyres		EACH	_____
		C Rubber Seat	C Rubber Seat	2	EACH	_____

Ready Page 1 of 1



Setup – Never Explode Shortages

Item Never Explode Shortages & Usually Sub Contract

Setup Item Never Explode Shortages_Usually Sub Contract

Category	Assembly Item Name	Item Description	Never Explode Shorta...	Usually Sub Cont...	Sub Contract Process None Stock Item for PO	Main Supplier	Cost Price
> None	ChairWheels	Chair & Wheels	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Installation 1 Day	Babs Cabs	£ 18.00
Bikes	Bike	Bike	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	Wheel+Tyres	Wheels + Tyres	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Installation 1 Day	Babs Cabs	£ 18.00
None	Bike 2	Bike 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	FIN NIM Watermelon Pr...	FIN NIM Watermelon Printed	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	TP 1	T 1	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS3 Handle Bar Chrome	AS3 Handle Bars Chrome	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS2 Handle Bars	AS2 Handle Bars	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS3 Chain	AS3 Chain	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS3 Gear Spokes	AS3 Gear Spokes	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS2 Gears & Chains	AS2 Gears & Chains	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS2 Wheels & Tyres	AS2 Wheels & Tyres	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Project	Cool Supplier Ltd	£ 11.00
None	AS1 20" Bike	AS1 20" Bike	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS1 Computer 8/80/19	AS1 Computer 8Gb 80HD ...	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	AS2 BaseUnit 8/80	AS2 Base Unit 8Gb 80HD	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	ASS TP Batch FIN	AS TP Batch FIN	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00
None	ASS TP BATCH 2	ASS TP BATCH 2	<input type="checkbox"/>	<input type="checkbox"/>			£ 0.00

OK Cancel

This allows you to specify any Assemblies that you do not want to automatically explode shortages. It also allows you to specify if a particular assembly is usually subcontracted and the usual non stock item line that defines the work to be done. The main supplier of this item is defaulted in to be the subcontractor but can be changed in a WO.

Setup – Supplier WIP locations

Setup Supplier WIP Location

Setup MRP Customer, Supplier, WIP warehouse and Supplier WIP Location

WIP Warehouse: LON Default MRP Component Warehouse: MAIN MRP Customer: MRP

Adjustment Reason: MRP MRP Supplier: MRP

Supplier Code	Supplier Name	Supplier WIP Location
> SUP-00004	A UK Supplier	SC1
SUP-000011	Bits And Bobs	SC2

OK Cancel

This allows you to define a WIP location for each supplier at the WIP warehouse. This defaults into the transfer section of a works order. This is so we know what stock of ours is at each supplier and also create a Pick / Delivery note for the Subcontractor supplier.

Works Order Notes

If you delete a WO then if there are any sub works orders it will also delete them assuming they are not completed.

Any WO can be completed if fully allocated.

When a WO is completed then it will automatically allocate the stock to the WO above that's waiting for it. If the WSO is linked to the sales order then it would allocate it to the sales order.

No Allowance for Variance. i.e. if the production process yielded 9 instead of 10 from the components to make 10. You would need to adjust 1 out of stock after completion.

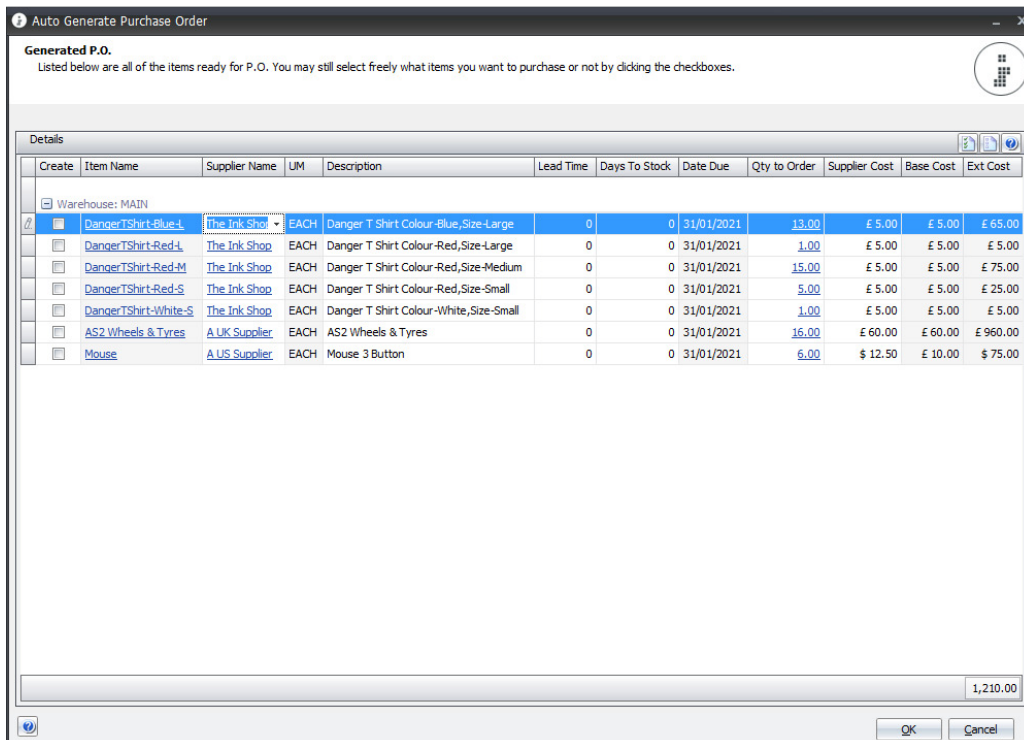
No Partial Completion of WOs. You would need to create multiple WOs.

No Partial Transfers in a WO. You would transfer all components to WIP or not. You could again create multiple WOs to deal with this.

Explode Sub Assemblies. If chosen **will** take into account if you have free stock of these sub- assemblies.

The Unallocated BOM items on a sales order can be item lines or part of a Kit item line. We would treat them the same.

To PO components that are required you would use the standard Auto Generate PO routine. Note Assembly items will not appear in this list as long as they don't have a Main Supplier assigned.



Auto Generate Purchase Order

Generated P.O.
Listed below are all of the items ready for P.O. You may still select freely what items you want to purchase or not by clicking the checkboxes.

Warehouse: MAIN

Create	Item Name	Supplier Name	UM	Description	Lead Time	Days To Stock	Date Due	Qty to Order	Supplier Cost	Base Cost	Ext Cost
<input type="checkbox"/>	DangerTShirt-Blue-L	The Ink Shop	EACH	Danger T Shirt Colour-Blue,Size-Large	0	0	31/01/2021	13.00	£ 5.00	£ 5.00	£ 65.00
<input type="checkbox"/>	DangerTShirt-Red-L	The Ink Shop	EACH	Danger T Shirt Colour-Red,Size-Large	0	0	31/01/2021	1.00	£ 5.00	£ 5.00	£ 5.00
<input type="checkbox"/>	DangerTShirt-Red-M	The Ink Shop	EACH	Danger T Shirt Colour-Red,Size-Medium	0	0	31/01/2021	15.00	£ 5.00	£ 5.00	£ 75.00
<input type="checkbox"/>	DangerTShirt-Red-S	The Ink Shop	EACH	Danger T Shirt Colour-Red,Size-Small	0	0	31/01/2021	5.00	£ 5.00	£ 5.00	£ 25.00
<input type="checkbox"/>	DangerTShirt-White-S	The Ink Shop	EACH	Danger T Shirt Colour-White,Size-Small	0	0	31/01/2021	1.00	£ 5.00	£ 5.00	£ 5.00
<input type="checkbox"/>	AS2 Wheels & Tyres	A UK Supplier	EACH	AS2 Wheels & Tyres	0	0	31/01/2021	16.00	£ 60.00	£ 60.00	£ 960.00
<input type="checkbox"/>	Mouse	A US Supplier	EACH	Mouse 3 Button	0	0	31/01/2021	6.00	\$ 12.50	£ 10.00	\$ 75.00

1,210.00

OK Cancel

You could use the Adjustment In and Out plugin if partially or fully breaking down items back into stock components etc.



Adjustment Out/In - [To be generated] - Out

Home Num Key 0

Save Save and Undo Undo Close

General

Detail

Transaction Date 31/01/2021 Adjustment Type Out Reference Code Reason

Items Stocking Level

Item Name	Description	Warehouse Code	Location Code	Unit Measure ...	UM Qty.	Orig. Qty.	Quantity	Qty. After	
> 2Ghz Motherboard	2Ghz Motherboard	MAIN	A1	EACH	1.00	98.00	0.00	98.00	
3Ghz Motherboard	3Ghz Motherboard	MAIN	A1	EACH	1.00	75.00	0.00	75.00	

General

Detail

Transaction Date 31/01/2021 Adjustment Type In Reference Code Reason

Items Stocking Level

Item Name	Description	Warehouse Code	Location Code	Unit Measure...	UM Qty.	Orig. Qty.	Quantity	Qty. After	Cost
/ 17" Wheels	17" Wheels	MAIN	Location1	EACH	1.00	1,950.00	0.00	1,950.00	£ 17.15
19" SVGA Colou...	19" SVGA Colour Monitor	MAIN	A1	EACH	1.00	698.00	0.00	698.00	£ 165.55

Ready

The Sales Order and Purchase Order Find List view needs to be changed to exclude MRP customer and supplier.

You would need to review any outstanding SO or PO reports to also exclude the MRP customer and supplier.