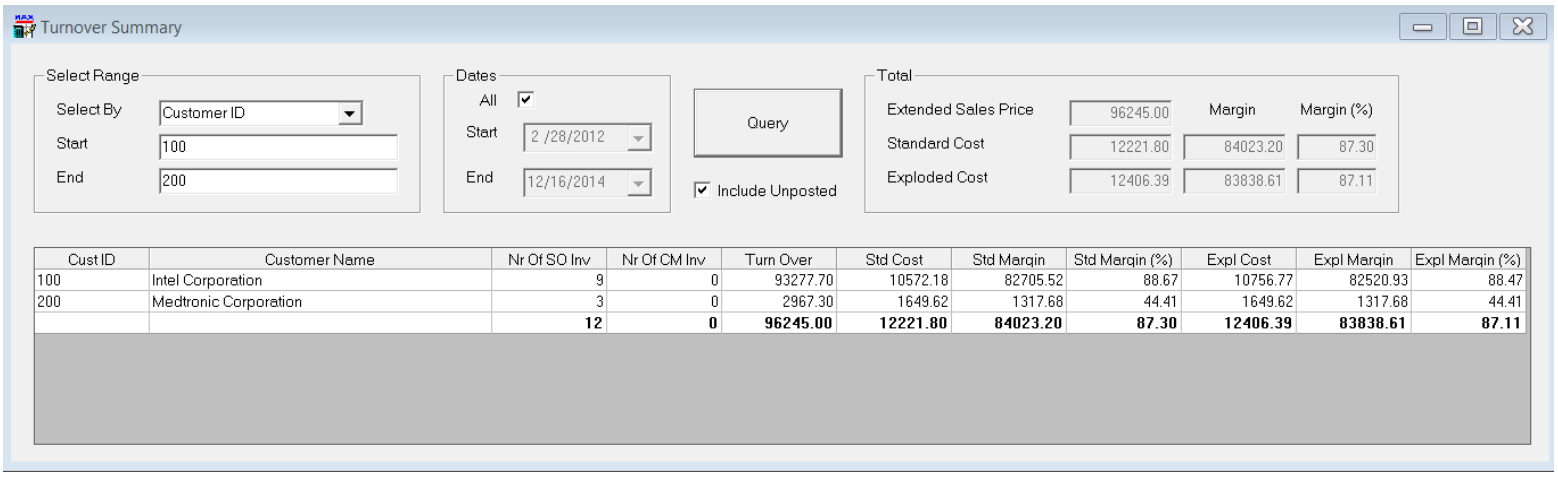
MAX Actual Costing

Calculate actual revenue of invoiced items by using actual cost of shop/purchase orders

MAX is a standard costing system. With the MAX Actual Costing module you link invoice lines to shop orders which were used to produce the parts on the invoice lines, you can explode through shop orders and link component materials of a shop order to an shop order which was used to produce the component materials or link component materials to a purchase order. The Actual Cost to produce a invoiced part can now be calculated by exploding through shop orders down to the purchase orders.

The linking of invoice lines to shop orders and component material of shop orders to shop orders or purchase orders can be done manually afterwards or can be automated by using the functionality of Master Schedule order creation on adding a sales order line and setting all order policies to 'Order' of the components in the product structure of the invoiced item, this will fill the Reference field of the Shop/Purchase orders with the Sales Order Line Delivery on adding the sales order line and running the MRP Explosion.

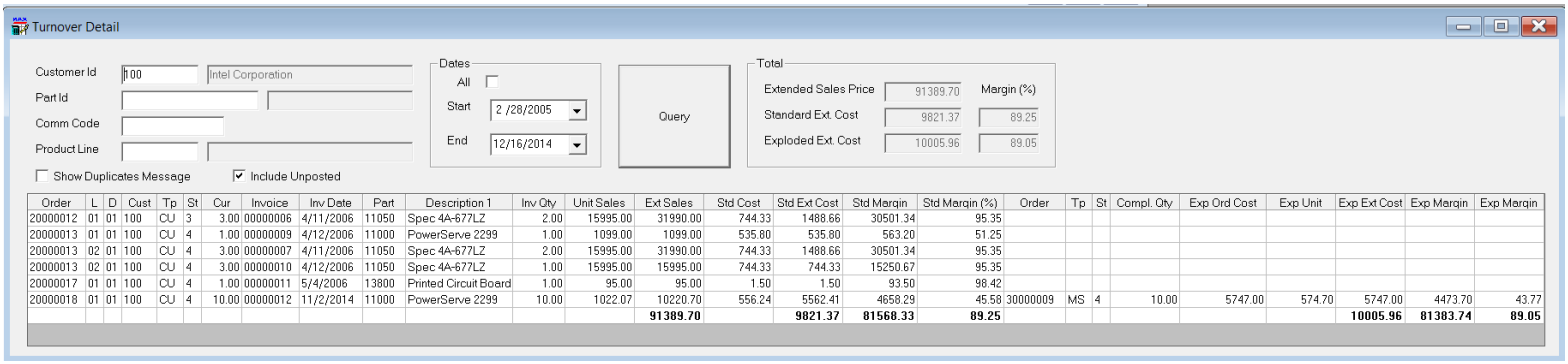
Turnover Summary
The turnover summary for all of a range of customers can be shown. The overall and detailed standard cost per customer are shown but also the actual exploded cost/margin through the linked shop/purchase orders.



Cust ID	Customer Name	Nr Of SO Inv	Nr Of CM Inv	Turn Over	Std Cost	Std Margin	Std Margin (%)	Expl Cost	Expl Margin	Expl Margin (%)
100	Intel Corporation	9	0	93277.70	10572.18	82705.52	88.67	10756.77	82520.93	88.47
200	Medtronic Corporation	3	0	2967.30	1649.62	1317.68	44.41	1649.62	1317.68	44.41
		12	**0**	**96245.00**	**12221.80**	**84023.20**	**87.30**	**12406.39**	**83838.61**	**87.11**

Turnover Detail

By double clicking on a customer line in the Turnover Summary you can zoom in on a customer and show the turnover detail for this customer.

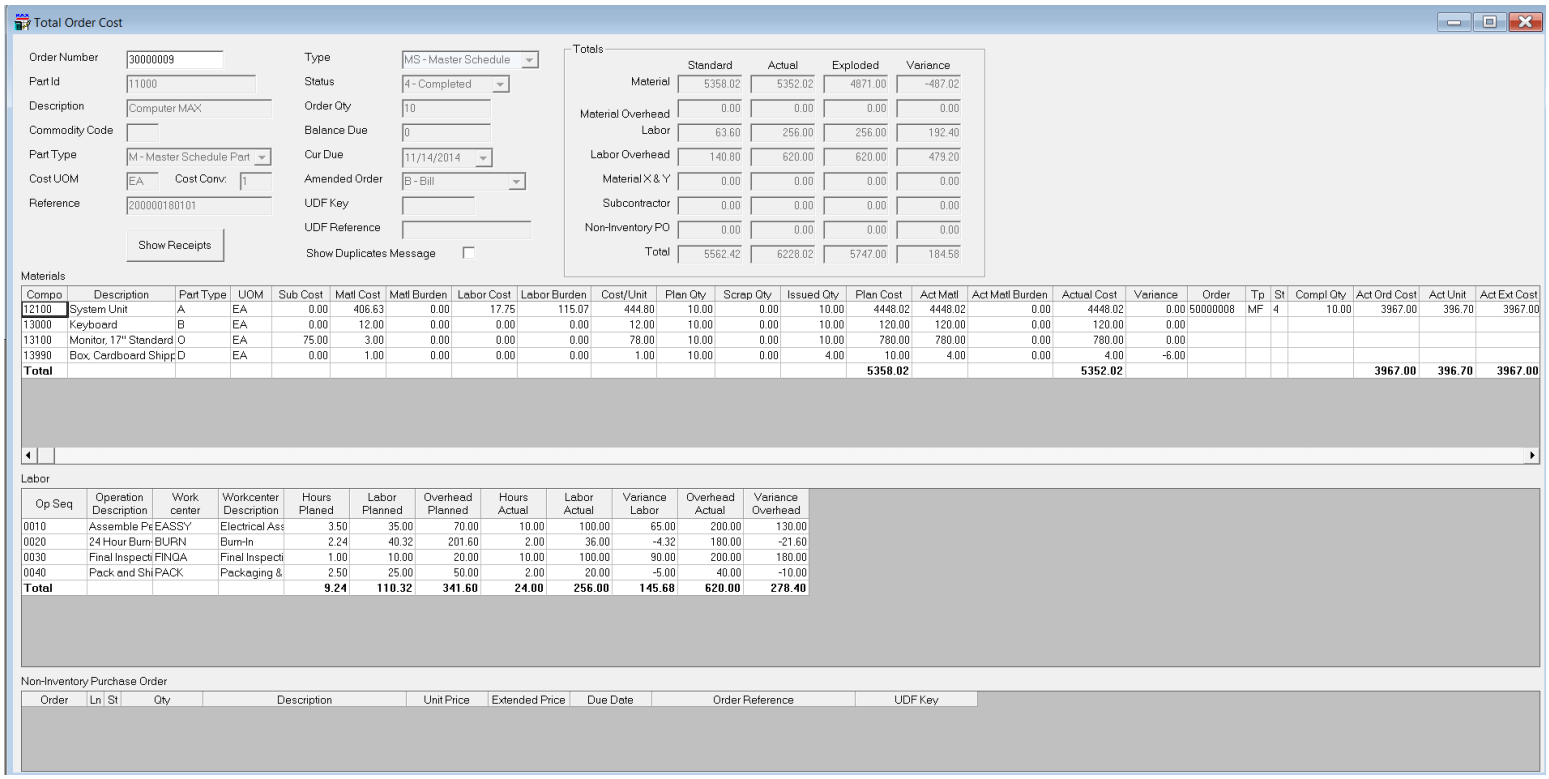


Order	L	D	Cust	Tp	St	Cur	Invoice	Inv Date	Part	Description 1	Inv Qty	Unit Sales	Ext Sales	Std Cost	Std Ext Cost	Std Margin	Std Margin (%)	Order	Tp	St	Compl. Qty	Exp Ord Cost	Exp Unit	Exp Ext Cost	Exp Margin	Exp Margin
20000012	01	01	100	CU	3	3.00	00000006	4/11/2006	11050	Spec 4A-677LZ	2.00	15995.00	31990.00	744.33	1488.66	30501.34	95.35									
20000013	01	01	100	CU	4	1.00	00000009	4/12/2006	11000	PowerServe 2299	1.00	1099.00	1099.00	535.80	535.80	563.20	51.25									
20000013	02	01	100	CU	4	3.00	00000007	4/11/2006	11050	Spec 4A-677LZ	2.00	15995.00	31990.00	744.33	1488.66	30501.34	95.35									
20000013	02	01	100	CU	4	3.00	00000010	4/12/2006	11050	Spec 4A-677LZ	1.00	15995.00	15995.00	744.33	744.33	15250.67	95.35									
20000017	01	01	100	CU	4	1.00	00000011	5/4/2006	13800	Printed Circuit Board	1.00	95.00	95.00	1.50	1.50	93.50	98.42									
20000018	01	01	100	CU	4	10.00	00000012	11/2/2014	11000	PowerServe 2299	10.00	1022.07	10220.70	556.24	5562.41	4658.29	45.58	30000009	MS	4	10.00	5747.00	574.70	5747.00	4473.70	43.77
													91389.70		**9821.37**	**81568.33**	**89.25**							**10005.96**	**81383.74**	**89.05**

Master Schedule/Manufacturing Shop Orders which are linked to an invoice line are shown, you can also manually link shop orders by clicking on an empty order field and browsing on available shop orders for this part. The actual cost per unit of a linked Shop Order is calculated and this actual cost per unit is used for the actual cost calculation of the invoice order line.

Total Order Cost

By double clicking on a linked shop order in the Turnover Detail you can show the Total Order Cost for a shop order.



Compo	Description	Part Type	UOM	Sub Cost	Matl Cost	Matl Burden	Labor Cost	Labor Burden	Cost/Unit	Plan Qty	Scrap Qty	Issued Qty	Plan Cost	Act Matl	Act Matl Burden	Actual Cost	Variance	Order	Tp	St	Compl Qty	Act Ord Cost	Act Unit	Act Ext Cost
12100	System Unit	A	EA	0.00	406.63	0.00	17.75	115.07	444.80	10.00	0.00	10.00	4448.02	4448.02	0.00	4448.02	0.00	50000008	MF	4	10.00	3967.00	396.70	3967.00
13000	Keyboard	B	EA	0.00	12.00	0.00	0.00	0.00	12.00	10.00	0.00	10.00	120.00	120.00	0.00	120.00	0.00							
13100	Monitor, 17" Standard	O	EA	75.00	3.00	0.00	0.00	0.00	78.00	10.00	0.00	10.00	780.00	780.00	0.00	780.00	0.00							
13990	Box, Cardboard Shipp	D	EA	0.00	1.00	0.00	0.00	0.00	1.00	10.00	0.00	4.00	10.00	4.00	0.00	4.00	-6.00							
Total													**5358.02**			**5352.02**						**3967.00**	**396.70**	**3967.00**

Op Seq	Operation Description	Work center	Workcenter Description	Hours Planed	Labor Planned	Overhead Planned	Hours Actual	Labor Actual	Variance Labor	Overhead Actual	Variance Overhead
0010	Assemble Pe	EASSY	Electrical Ass	3.50	35.00	70.00	10.00	100.00	65.00	200.00	130.00
0020	24 Hour Burn	BURN	Burn-In	2.24	40.32	201.60	2.00	36.00	-4.32	180.00	-21.60
0030	Final Inspecti	FINQA	Final Inspecti	1.00	10.00	20.00	10.00	100.00	90.00	200.00	180.00
0040	Pack and Shi	PACK	Packaging &	2.50	25.00	50.00	2.00	20.00	-5.00	40.00	-10.00
Total				**9.24**	**110.32**	**341.60**	**24.00**	**256.00**	**145.68**	**620.00**	**278.40**

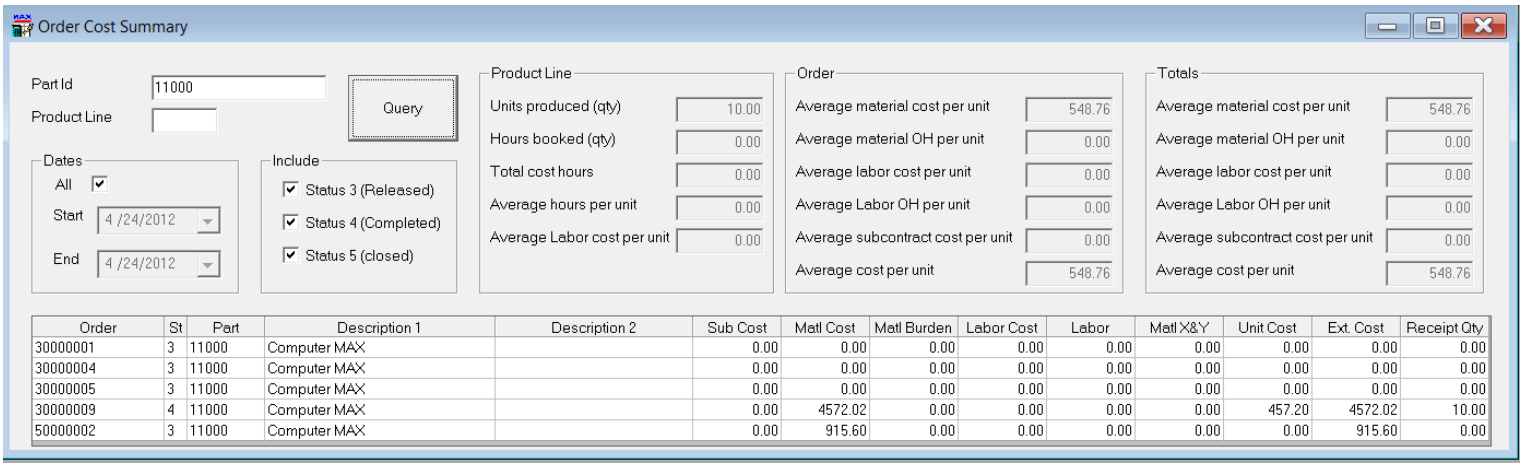
Order	Ln	St	Qty	Description	Unit Price	Extended Price	Due Date	Order Reference	UDF Key

Manufacturing Shop Orders which are linked to component material are shown, you can also manually link shop/purchase orders by clicking on an empty order field and browsing on available shop/purchase orders for this part. The actual cost per unit of a linked Shop/Purchase Order is calculated and this actual cost per unit is used for the actual cost calculation of the component material.

Order Labor Detail
You can use the actual hours and pay rate of a person form labor tracking to calculate the labor costs or you can use actual hours and the workcenter labor rate to calculate the labor cost. If you use the actual hours en pay rate of a person functionality additional columns with the actual labor/overhead per workcenter and employee will be shown and you can click in on a labor line in the Total Order Cost window to show the Order Labor Detail of actual spend hours per person on an operation.

Non-Inventory Purchase Order
Non-Inventory Purchase Order cost can be linked to an shop order by specifying the shop order in the UDF Key of Non-Inventory Purchase Order. Linked Non-Inventory Purchase Order will be shown in the Total Order Cost window and the costs of the Non-Inventory Purchase Order will included in the actual cost calculation of the Shop Order.

Order Cost Summary
In the Order Cost Summary window an cost overview for an part of the total and detailed costs per shop order can be shown.



Order	St	Part	Description 1	Description 2	Sub Cost	Matl Cost	Matl Burden	Labor Cost	Labor	Matl X&Y	Unit Cost	Ext. Cost	Receipt Qty
30000001	3	11000	Computer MAX		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30000004	3	11000	Computer MAX		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30000005	3	11000	Computer MAX		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30000009	4	11000	Computer MAX		0.00	4572.02	0.00	0.00	0.00	0.00	457.20	4572.02	10.00
50000002	3	11000	Computer MAX		0.00	915.60	0.00	0.00	0.00	0.00	0.00	915.60	0.00

By clicking on an order the Total Order Cost window will be shown for the shop order.

The MAX Actual Costing module uses the MAX User Security. Access to the MAX Actual Costing module has to be setup in the Security Editor of the MAX System Manager. On starting the MAX Audit Manager a valid user name and password has to be supplied.

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