EIN 6133 - Enterprise Engineering

Term Project

Tyco Fire & Security Business Process Model

Design and SAP implementation of a business process model for the manufacture and sale of a set of Sensormatic brand products



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1 History and Overview

Sensormatic is in the business of the manufacture and sale of electronic article surveillance (EAS) equipment. Sensormatic's portfolio includes vital loss prevention and operational improvement technologies and solutions. Backed by more than 1,500 patents, the Sensormatic solutions portfolio is sold through ADT and authorized business partners around the world. From the front of the store through the entire retail supply chain, Sensormatic products and services help keep losses lower—and profits higher.

Today, over 80 percent of world's top 200 retailers that use EAS rely on Sensormatic solutions, which include EAS, source-tagging, data analytics, and in-store, item-level intelligence applications. Sensormatic forward-thinking solutions also include dual EAS/RFID technology that provides item-level security and visibility in an ever-changing retail environment.

Sensormatic is focused on operational improvements on the retail selling floor. Traditionally a loss prevention company, Sensormatic now helps retailers address their most significant form of loss—decreased sales due to inventory inaccuracies. Sensormatic's family of item-level RFID solutions enables information accuracy that drives intelligence back into the supply chain by improving the integrity of the data at the item level. These products are designed to improve existing store operations, increase product availability, and enhance the customer shopping experience. Retailers are recognizing that dual EAS/RFID functionality addresses both item-level security and item-level visibility to help prevent theft while improving the quality of item-level data.

Tyco International (NYSE: TYC) is a diversified, global company that provides vital products and services to customers in more than 60 countries. Tyco is a leading provider of security products and services, fire protection and detection products and services, valves and controls, and other industrial products. Tyco had 2007 revenues of more than \$18 billion and has 118,000 employees worldwide.

1.1 Key Dates in Sensormatic History

- 1960: Sensormatic is established and incorporated in Florida.
- 1988: Sensormatic Electronics Corp. of Deerfield Beach announces buy-out of Allied-Signal Corp.
- 1995: Sensormatic signs up to sponsor 1996 Atlanta Olympic Games.
- 2000: Sensormatic signs up to sponsor 2002 Winter Olympic Games.
- 2001: Sensormatic is purchased by Tyco International Ltd.
- 2007: Tyco concludes a corporate separation that splits the company into three publicly independent companies: Covidien Ltd. (formerly Tyco Healthcare), Tyco Electronics Ltd. (now TE Connectivity Ltd.) and Tyco International Ltd. (formerly Tyco Fire & Security and Tyco Engineered Products & Services). Sensormatic becomes part of Tyco Fire & Security.
- 2012: Tyco International splits into three independently traded companies: The ADT Corporation, Tyco Fire and Security, and Pentair Ltd.

1.2 Corporate Mission

Tyco's mission is to advance safety and security by finding smarter ways to save lives, improve businesses, and protect where people live and work.

1.3 Values

As part of the Tyco family of companies, Sensormatic Retail Solutions attracts, develops, and promotes a diverse and inclusive work environment that reflects the global community. Sensormatic has programs that foster diversity and inclusion and support Tyco's values of Integrity, Teamwork, Excellence, and Accountability.

1.4 Vision

The security needs of retail customers have evolved, requiring more data-centric applications to manage their business. They desire a cohesive yet diverse set of intelligent, data-driven solutions that address additional challenges including: internal theft, customer service, vendor fraud, inventory accuracy, labor productivity, out-of-stocks, item location, and efficient replenishment. Throughout the changing retail environment, Tyco's vision remains strong, consistent, and focused: providing quality solutions and service to customers around the globe.

Tyco's envisions its Sensormatic brand loss prevention technology as the world's leader in providing the highest detection rate in the retail solution industry.

1.5 Corporate Strategy

As a pure-play operating company, Tyco will align functional and business resources as one organization, dedicated to executing on that growth strategy. Each of Tyco's business units will also continue to have their own specific strategies and initiatives, depending on their unique market needs—and all business units will be pulling in the same direction as one company.

1.6 Roadmap

The roadmap within Tyco Retail Solutions is to provide retailers with a fully integrated solution to problems facing brick and mortar operations. This is done by providing:

- Safety and Security Solutions,
- Loss Prevention,
- Inventory Intelligence, and
- Store Traffic Intelligence.

The integration of these systems can provide a level of performance and security solutions unmatched in the marketplace.

1.7 Product Lines

Hard Tag Family

- Ultra•Tag® Platform
- SuperTag® III Family
- Alarming SuperTag®
- SuperTag® Visible Source Tag (VST)
- SuperTag® Ink
- Soft Tag
- Ultra*Gator®
- Ultra•Lock®
- Essentials Platform
- AMT-5000 Hard Tag Family
- AMT-3200 Hard Tag Family
- AMT-3210 Accessory Hard Tag
- AMT3220 Delicates Hard Tag

EAS Labels Family

- Ultra•Strip® III
- Ultra•Strip® III Insertable
- Ultra•Strip® III Microwavable
- Ultra•Strip® III Book Label
- Ultra•Strip® III Individual Label
- Ultra•Strip® III Low Profile
- Ultra•Strip® III Hang Tag
- Ultra•Strip® II Narrow
- Non-Deactivatable Label

EAS Detection System

- Pedestal Systems
- Discreet Systems
- Concealed Systems
- Detection Accessories
- Auxiliary Antennas

Label Deactivators

- ScanMax[®] Pro Family
- Other Deactivators and Activators
- Essentials Platform

Hard Tag Detachers

- AMD-3040 Hand-Held Detacher
- MK75I Hand Detacher
- MKD-400 Detacher
- AMK 1000/1010 Detacher
- MK75IZA Hand Detacher with Boot
 Deactivator
- AMD-1000 Detacher
- AMK 4200/4300 Detacher
- AMK-4100 Decouple

2 Project Scope

The project scope will be limited to the following two products. This product set is typical of that used to outfit a retail store.

- **SuperTag® III** is a robust reusable anti-theft sensor that can be attached to retail items either at the factory or retail location. The tag is removed with a hook inserted into the security pin release. This product can be reattached to products in the retail location or sent back to the factory to be reused.
- **UltraStrip® III Individual Label** is the highest volume seller in Tyco's portfolio of single use sensors. With its aggressive adhesive backing, it can be attached to the inside of a finished product without the concern of becoming dislodged inside the product and causing interference.

3 As-Is Product Data

Tyco Fire & Security is located in Boca Raton, FL, USA. The primary factory is located in Matamoros, Mexico. The following information describes the products and production process as currently implemented within the company.

3.1 Vendors

Vendor Name	Location	Materials
Colorful Polymers International	Shanghai, China	Plastics
Mega Machining Company	Seoul, South Korea	Fabricate hook and pin
Rare Earth Alloys, LLC.	Berlin, Germany	Magnet and Bias ribbon
The Best Project Material CO. LTD.	Shangdong, China	Cavity and adhesive film

3.2 Customers

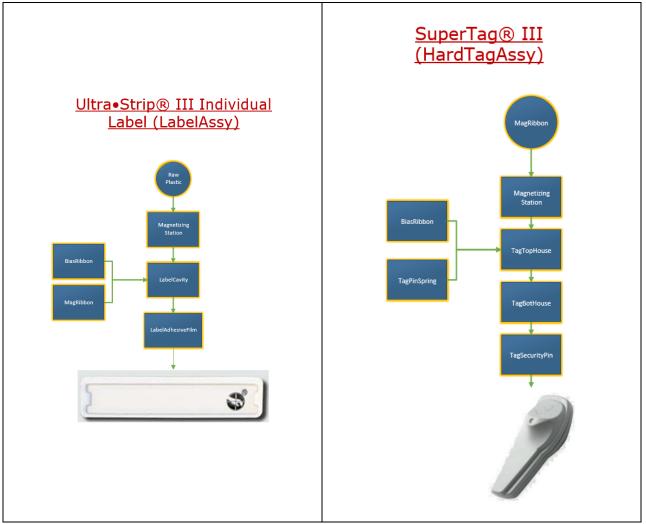
Customer Name	Location		
Earl's Home Building Supply	Charlotte, NC USA		
Hyper-Mart Corporation	Branson, MO USA		
Euro Couture	Linden, NJ, USA		

3.3 Bill of Materials

Bill of Materials: Ultra • Strip® III Individual Label							
PART NAME	QTY/ UNIT	COST/ ORDER	ORDE R QTY	COST/ UNIT	VENDOR		
Label		\$270.00	5000	\$0.05			
Formed plastic cavity	1	\$29.27	5000	\$0.0059	The Best Project Material CO. LTD		
Magnetostrictive material ribbon	2	\$13.90	5000	\$0.0056	Rare Earth Alloys, LLC.		
Bias material ribbon	1	\$12.00	5000	\$0.0024	Rare Earth Alloys, LLC.		
Adhesive film backing	1	\$24.00	5000	\$0.0048	The Best Project Material CO. LTD		
			Total	\$0.019			

Bill of Materials: SuperTag® III						
PART NAME	QTY/ UNIT	COST/ ORDER	ORDE R QTY	COST/ UNIT	VENDOR	
Hard tag		\$630.00	1000	\$0.63		
Top housing enclosure	1	\$130.00	5000	\$0.0260	Colorful Polymers International	
Bottom housing enclosure	1	\$120.00	5000	\$0.0240	Colorful Polymers International	
Magnetostrictive material ribbon	2	\$13.90	5000	\$0.0056	Rare Earth Alloys, LLC.	
Bias material ribbon	1	\$12.00	5000	\$0.0024	Rare Earth Alloys, LLC.	
Pin locking spring	1	\$412.10	5000	\$0.0824	Mega Machining Company	
Security pin	1	\$340.20	5000	\$0.0680	Mega Machining Company	
			Total	\$0.21		

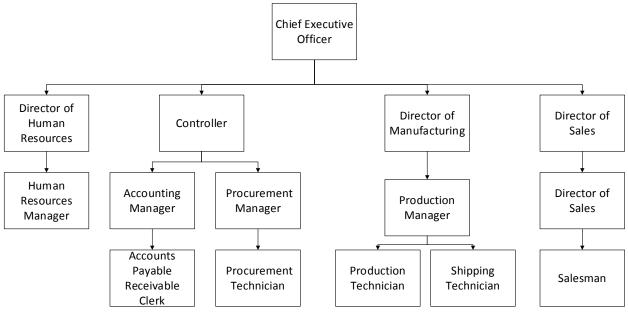
3.4 Product Routing



4 As-Is System Model

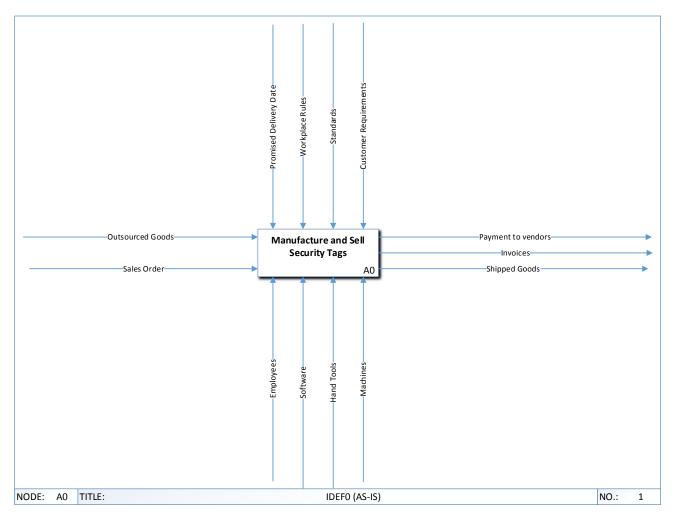
The following system models describe the organizational structure, activities, objects, and states involved in the current process of manufacturing and selling the UltraStrip III Individual Label and the SuperTag III. These As-Is models define the relevant processes as they are currently implemented within the company. These models have not been optimized for implementation in an ERP system.

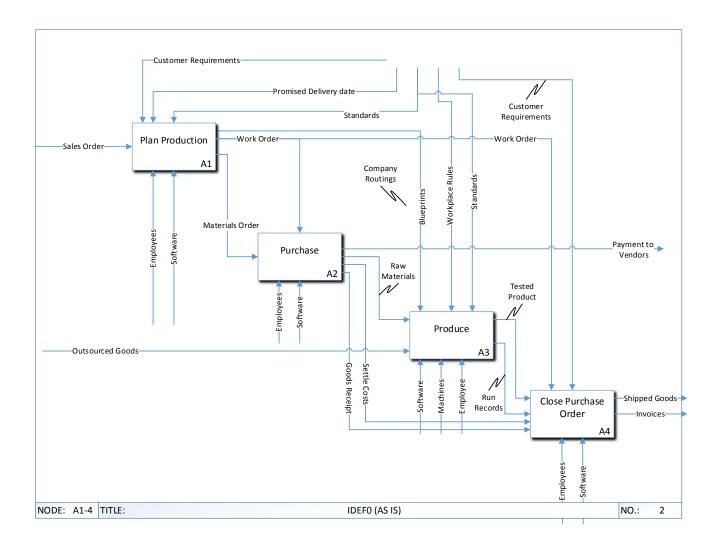
The relationships between the input, control, output, and mechanisms of the IDEFO Model are described in the Object Model. Each object is further detailed through a Dynamic Model, which shows the available states of the model and the transition events between states.

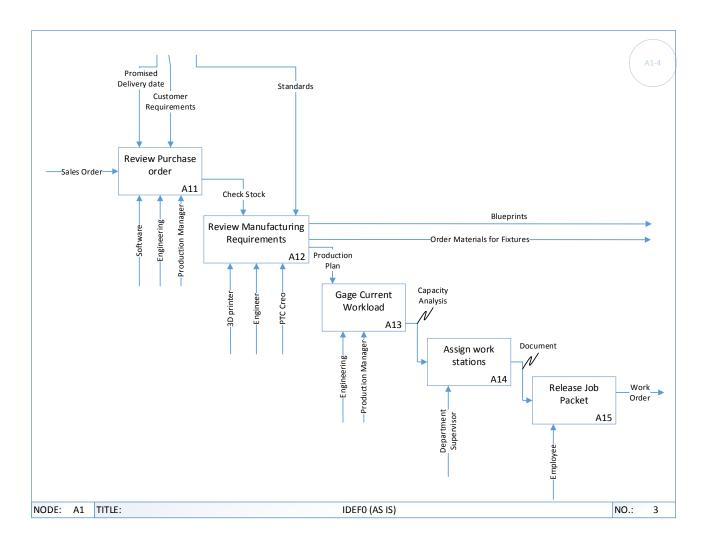


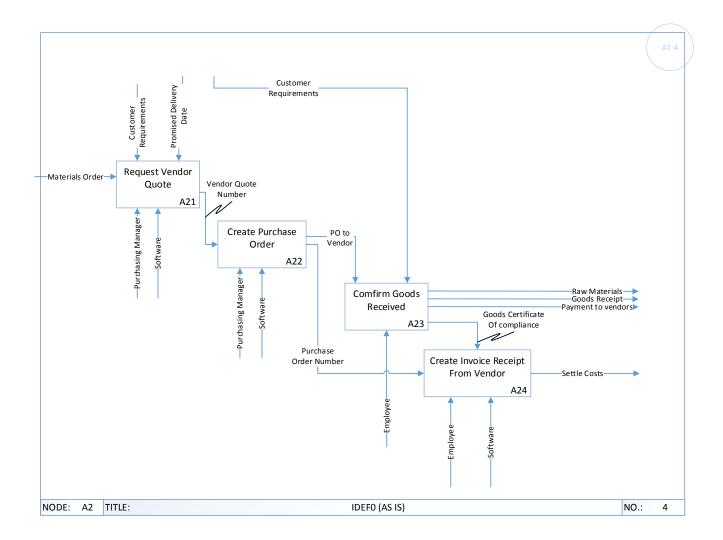
4.1 As-Is Organizational Structure

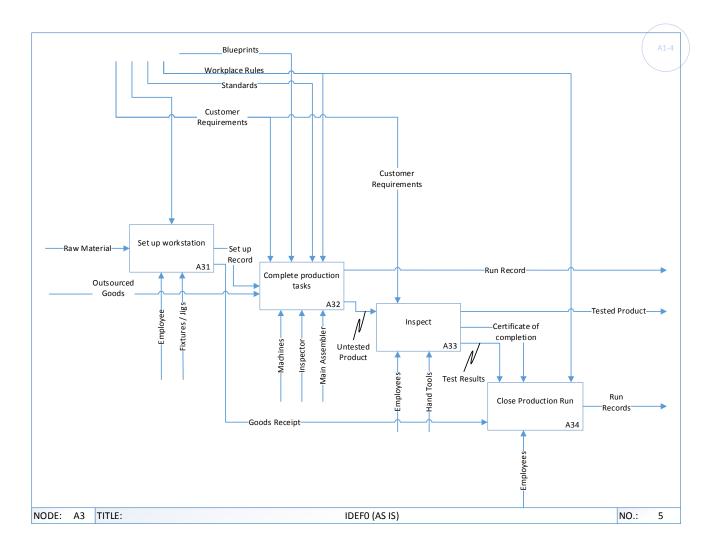
4.2 As-Is IDEF0 Activity Model

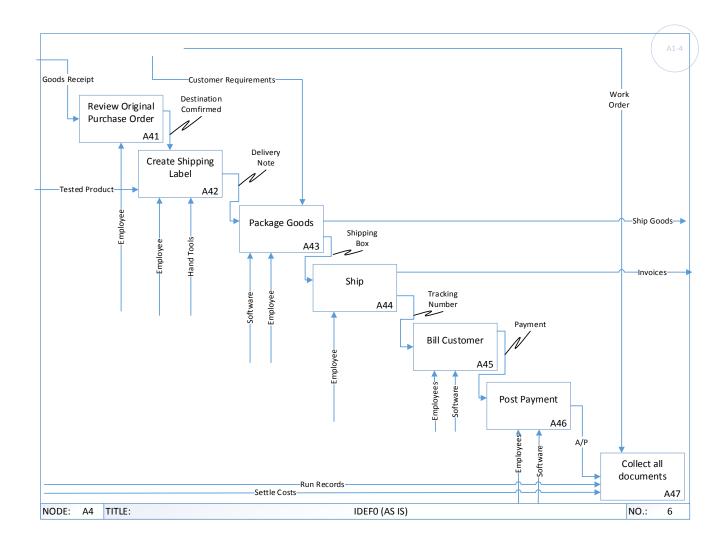




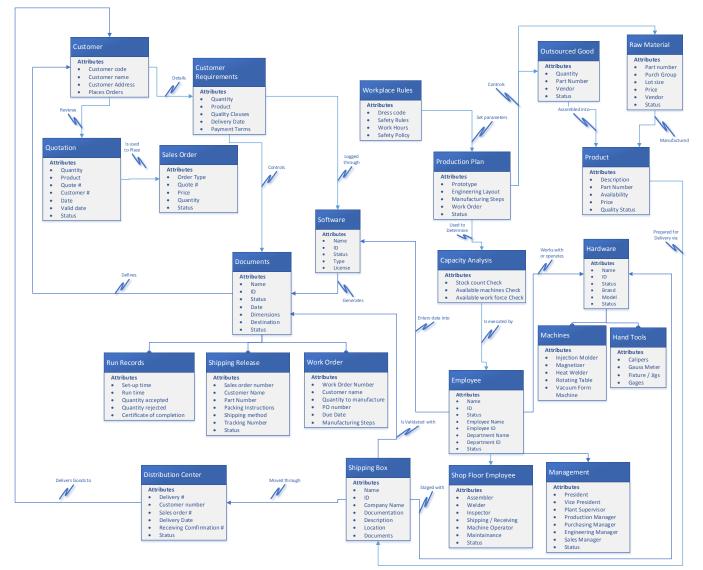


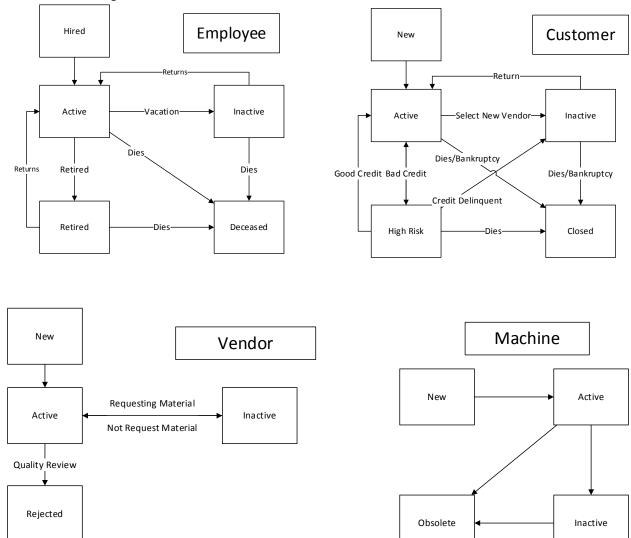




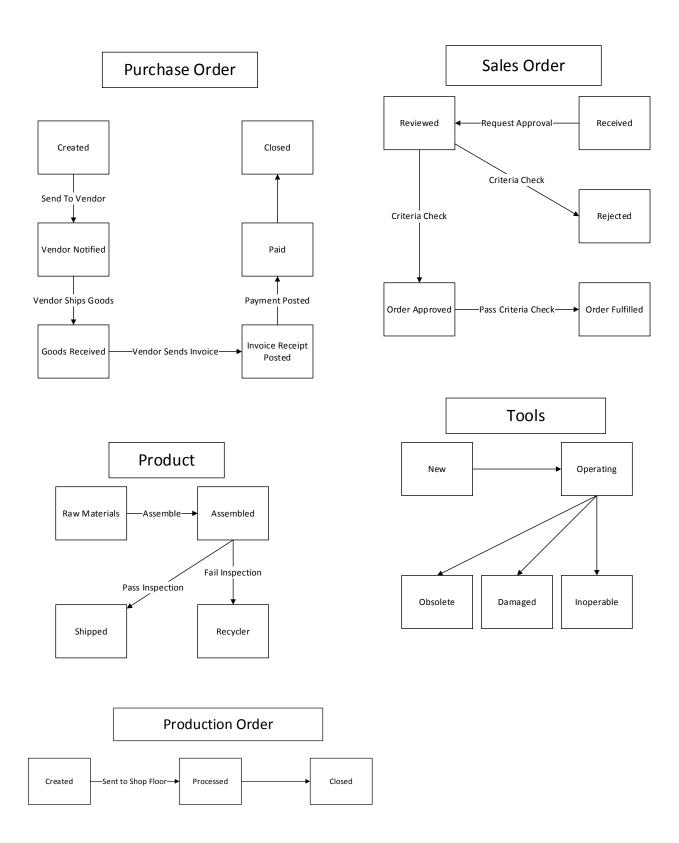


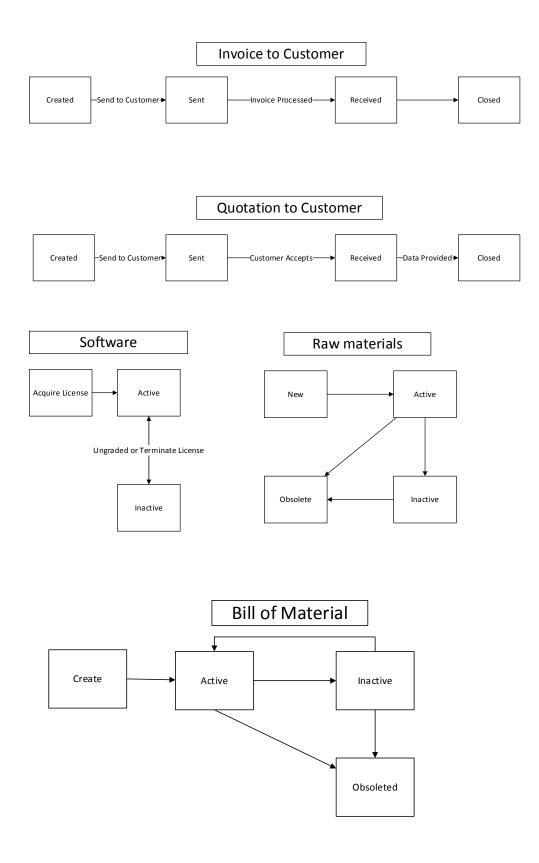
4.3 As-Is Object Model





4.4 As-Is Dynamic Model



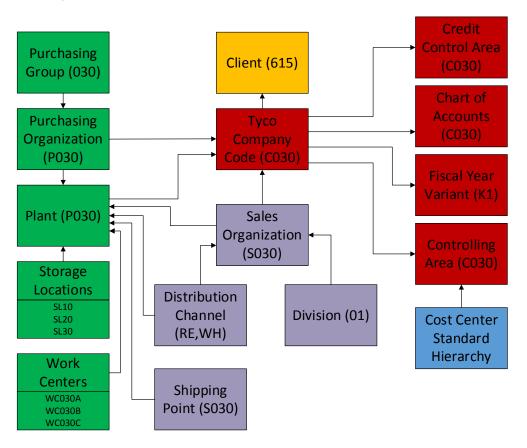


5 To-Be System Model

The As-Is model was reviewed and analyzed to determine how to best optimize the business processes for implementation in an ERP system. Missing elements, processes, and objects were identified and added to the models to develop a To-Be model that could be seamlessly implemented in an SAP enterprise structure.

The scope of the To-Be model is limited to the manufacture and sale of security tags. The IDEFO model describes the business processes that fall within this scope. The process begins with the receipt of a sales order, which is used to identify the amounts of raw materials and finished goods needed in order to fulfill the sale. The availability of raw and finished goods within the warehouse is checked before finalizing the amount of raw materials to be procured and the amount of finished goods to be produced. Once the procurement and purchasing processes have been completed, the sales process can continue and the sales order can be completed.

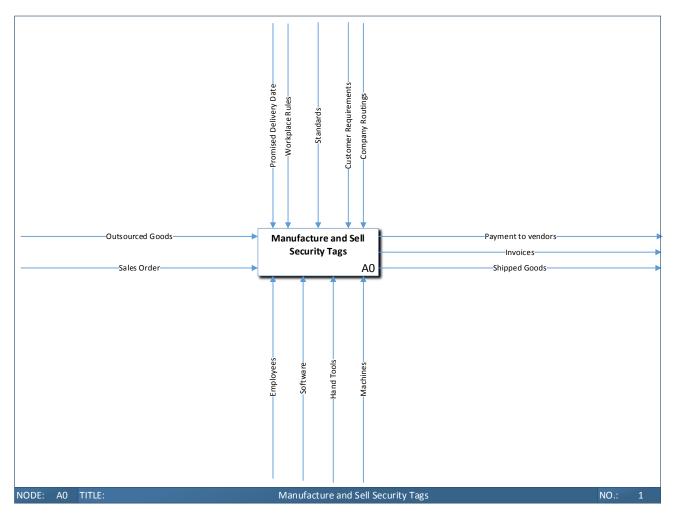
The relationships between the input, control, output, and mechanisms of the IDEFO Model are described in the Object Model. The Object Model attributes include all information required by SAP. Each object is further detailed through a Dynamic Model, which shows the available states of the model and the transition events between states.

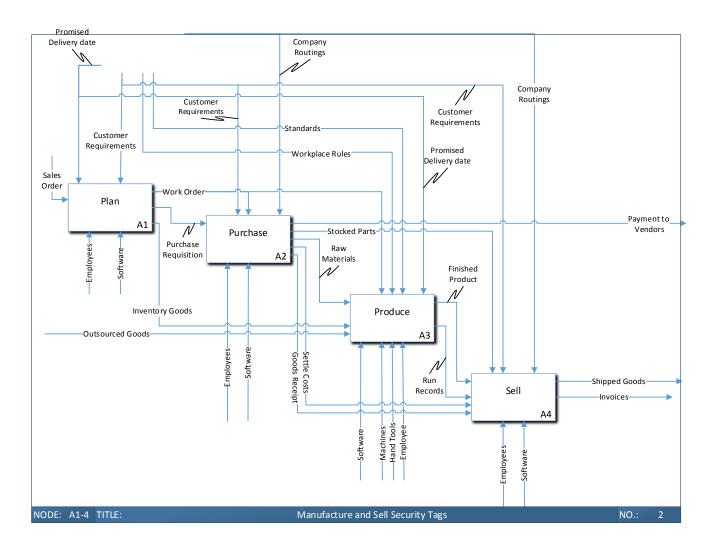


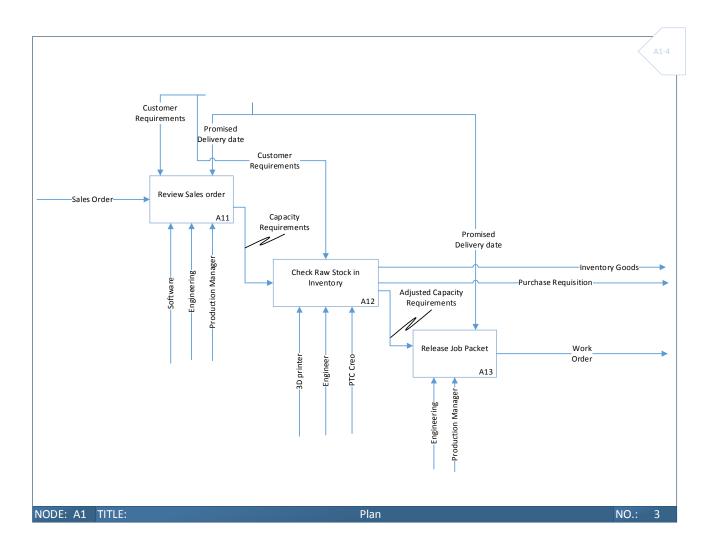
5.1 To-Be Organizational Structure

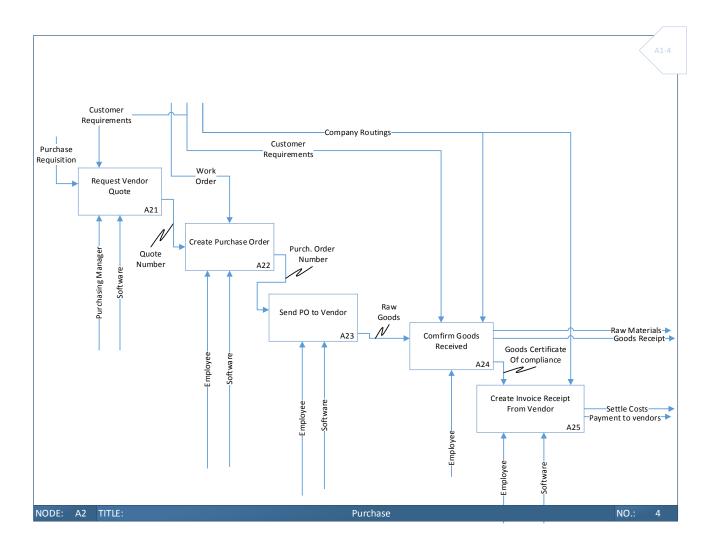
The organizational structure, as implemented in SAP, is shown below.

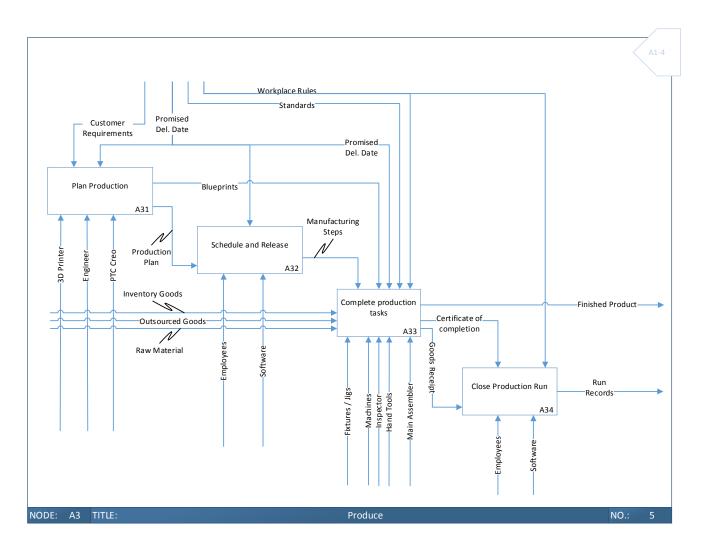
5.2 To-Be IDEF0 Activity Model

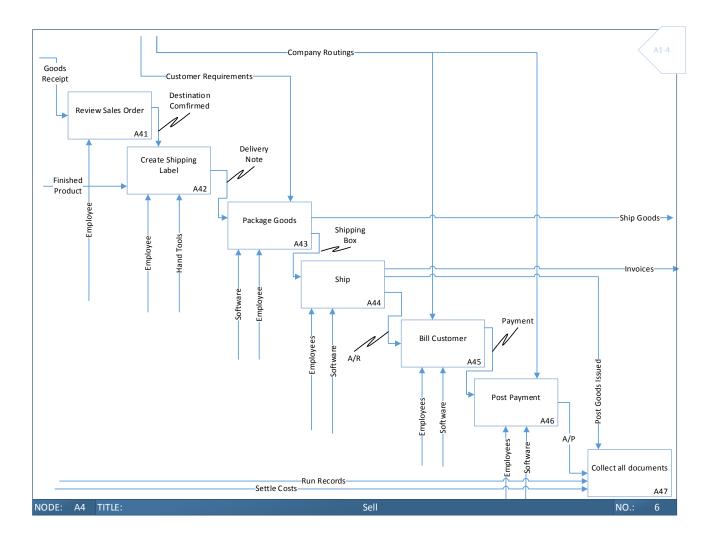




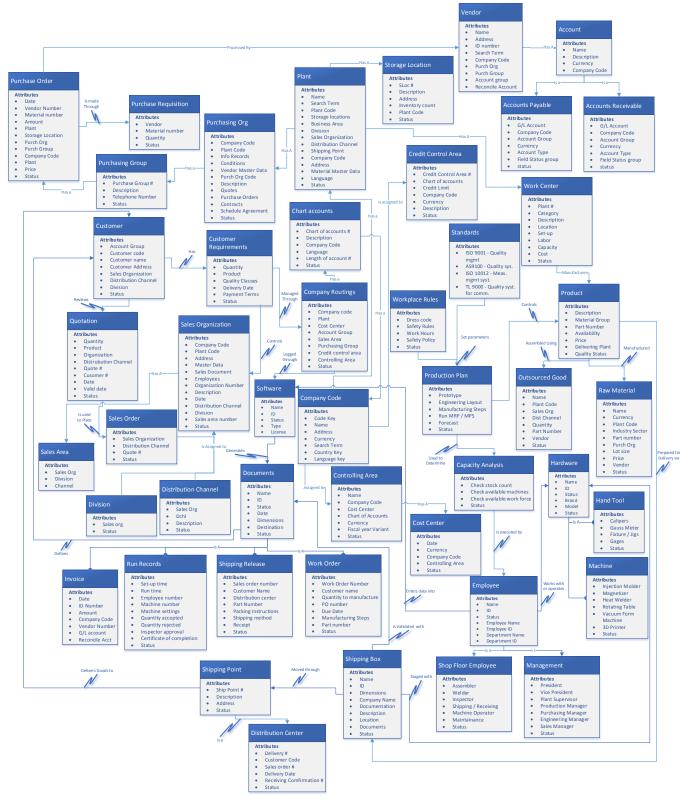


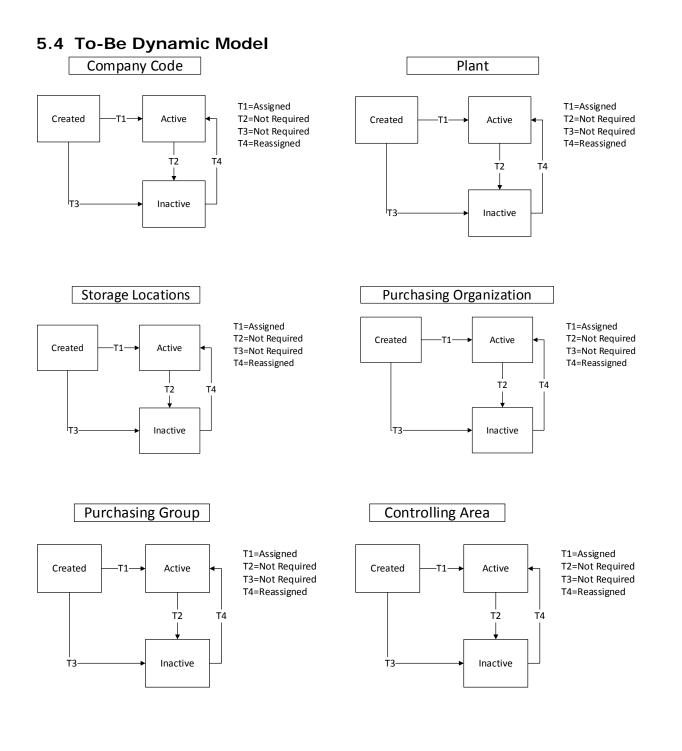


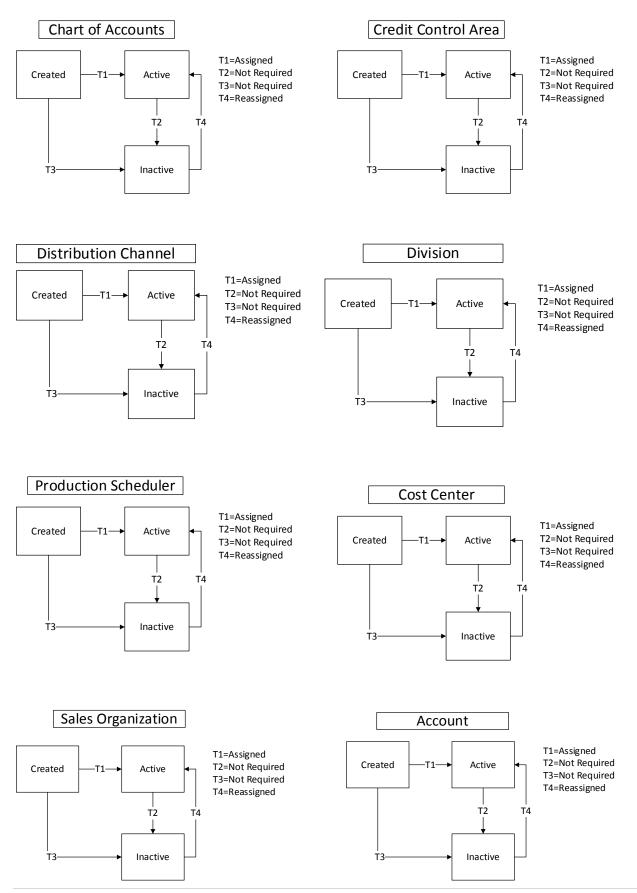


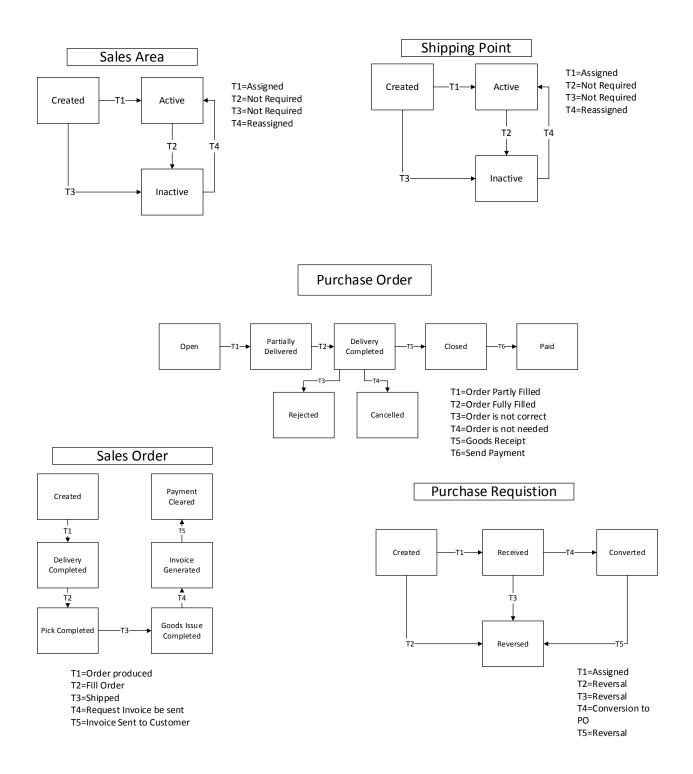


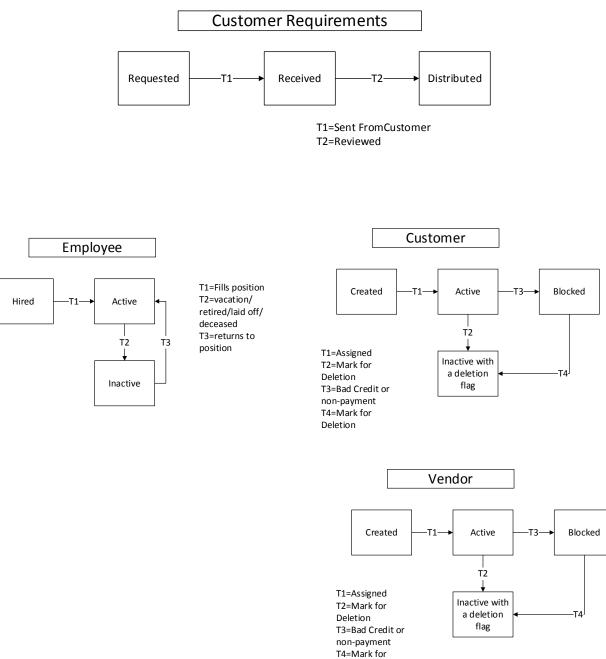
5.3 To-Be Object Model



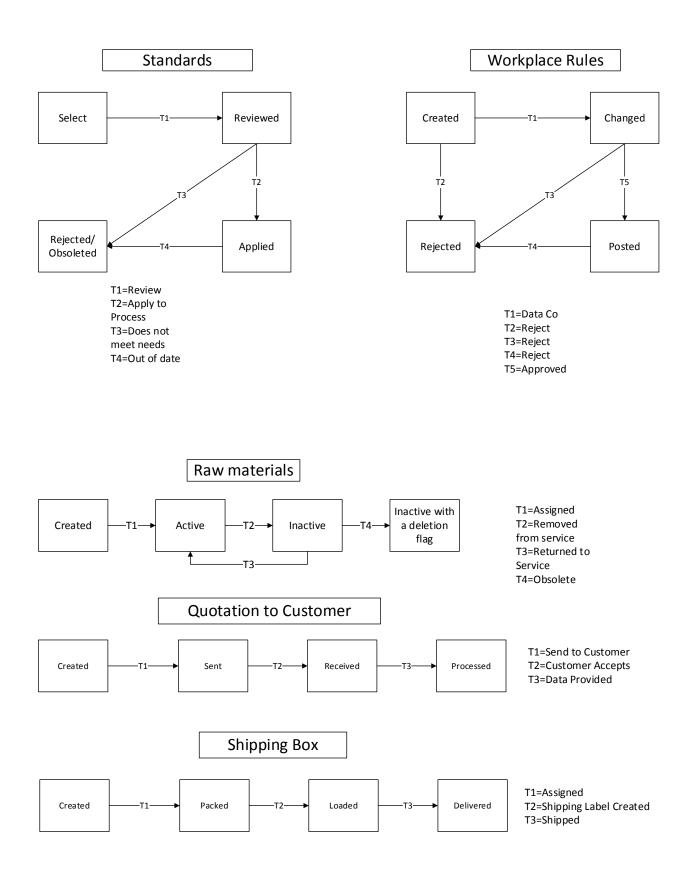


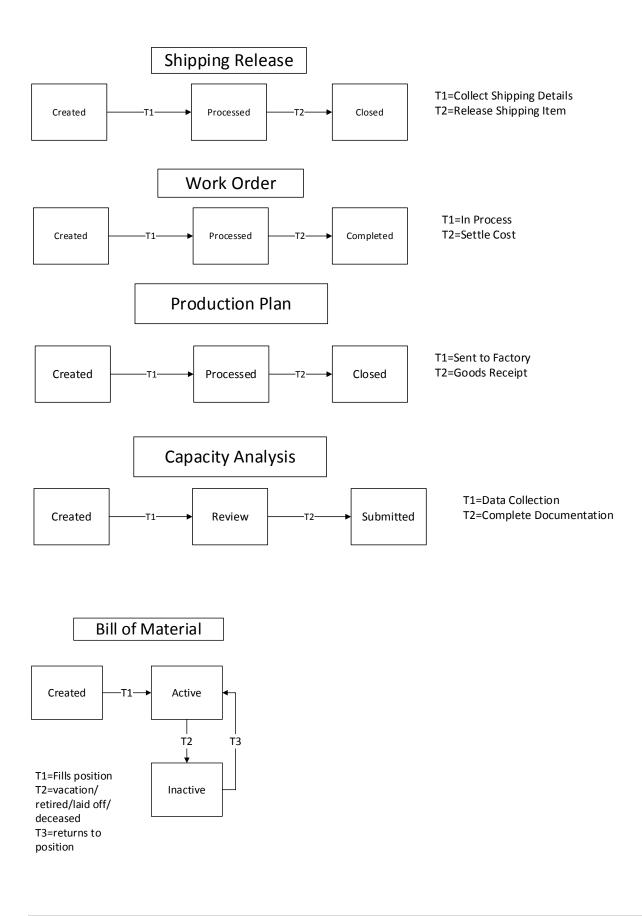


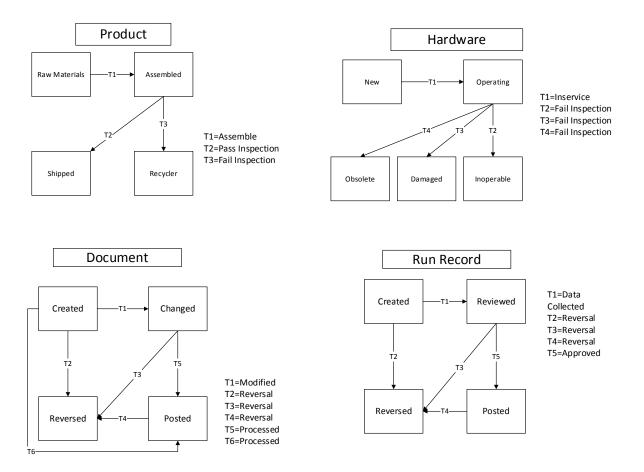




Deletion







6 To-Be Implementation Overview

The To-Be model was designed around the SAP business processes for seamless implementation. The To-Be model was implemented in SAP for company code C030. The implementation process involved setting up the enterprise organization and creating master data for materials, sales, and production management. The implementation was proven to be successful through the processing of two sales orders. The operations involved in processing the sales orders included planning, procurement, production, and sales, as outlined in the To-Be model.

6.1 Materials Management

Master data for two finished goods and eight raw materials were created.

Material ID	Material Description	Material Type
LABELASSY030	Ultra Strip III Individual Label	Finished Goods
HARDTAGASSY030	Super Tag III	Finished Goods
LABELCAVITY030	Formed plastic cavity	Raw Material
MAGRIBBON030	Magnetostrictive material ribbon	Raw Material
BIASRIB030	Bias material ribbon	Raw Material
LABELADHESIVE030	Adhesive film backing	Raw Material
TAGTOPHOUSE030	Top housing enclosure	Raw Material
TAGBOTHOUSE030	Bottom housing enclosure	Raw Material
TAGPINSPRING030	Pin locking spring	Raw Material
TAGSECURITYPIN030	Security pin	Raw Material

Four vendors were created, for procurement of the eight raw materials. Source lists were created such that each raw material is only available through one vendor.

Vendor Name	Vendor ID	Location	Available Materials
Colorful Polymers International	100171	Shanghai, China	TAGTOPHOUSE030 TAGBOTHOUSE030
Mega Machining Company	100172	Seoul, South Korea	TAGPINSPRING030 TAGSECURITYPIN030
Rare Earth Alloys, LLC	100173	Berlin, Germany	MAGRIBBON030 BIASRIB030
The Best Project Material Co, Ltd	100174	Shangdong, China	LABELCAVITY030 LABELADHESIVE030

6.2 Sales Management

Master data was created for three new customers with appropriate credit limits and discounts.

Customer Name	Customer ID	Distribution Channel	Credit Limit	Discounts
Earls Home Building Supplies	141	RE	\$5,000	None
Hyper Mart Corporation	142	WH	\$6,000	5%/\$1,000 8%/\$2,000 10%/\$3,000
Euro Couture	143	RE	\$5,000	None

6.3 Production Management

The Bill of Materials and routing were created for each finished product. Both finished goods were assigned to the same product group.

Bill of Materials	Bill of Materials: Ultra • Strip® III Individual Label (LABELASSY030)						
PART NAME	PART NUMBER	QTY/ UNIT	COST/ ORDER	ORDER QTY	COST/ UNIT	MATERIAL	VENDOR
Label	LABELASSY030		\$270.00	5000	\$0.05		
Formed plastic cavity	LABELCAVITY030	1	\$29.27	5000	\$0.0059	RAW	The Best Project Material CO. LTD
Magnetostrictive material ribbon	MAGRIBBON030	2	\$13.90	5000	\$0.0056	RAW	Rare Earth Alloys, LLC.
Bias material ribbon	BIASRIB030	1	\$12.00	5000	\$0.0024	RAW	Rare Earth Alloys, LLC.
Adhesive film backing	LABELADHESIVE030	1	\$24.00	5000	\$0.0048	RAW	The Best Project Material CO. LTD
					\$0.019	Total	

6.3.1 Bill of Materials

Bill of Materials	Bill of Materials: SuperTag® III (HARDTAGASSY030)						
PART NAME	PART NUMBER	QTY/ UNIT	COST/ ORDER	ORDER QTY	COST/ UNIT	MATERIAL	VENDOR
Hard tag	HardTagAssy030		\$630.00	1000	\$0.63		
Top housing enclosure	TAGTOPHOUSE030	1	\$130.00	5000	\$0.0260	RAW	Colorful Polymers International
Bottom housing enclosure	TAGBOTHOUSE030	1	\$120.00	5000	\$0.0240	RAW	Colorful Polymers International
Magnetostrictive material ribbon	MAGRIBBON030	2	\$13.90	5000	\$0.0056	RAW	Rare Earth Alloys, LLC.
Bias material ribbon	BIASRIB030	1	\$12.00	5000	\$0.0024	RAW	Rare Earth Alloys, LLC.
Pin locking spring	TAGPINSPRING030	1	\$412.10	5000	\$0.0824	RAW	Mega Machining Company
Security pin	TAGSECURITYPIN030	1	\$340.20	5000	\$0.0680	RAW	Mega Machining Company
					\$0.21	Total	

6.3.2 Product Routing

Rout	Routing: Ultra • Strip® III Individual Label (LABELASSY030)						
Ор #	Parts Used	STEPS	TIME (min)	соѕт	Work Center	Work Center Description	Plant
1		Magnetize magnetostrictive ribbon	0.5	0.1	WC030A	Magnetizing Machine	P030
2		Place raw plastic material in forming die to create label cavity	0.6	0.12	WC030B	Molding Department	P030
3	LABELCAVITY030	The label cavity is placed in an assembly tray	0.2	0.04	WC030C	Clean Assembly Room	P030
4	MAGRIBBON030 BIASRIB030	Insert magnetostrictive ribbon and bias ribbon in label cavity	0.75	0.15	WC030C	Clean Assembly Room	P030
5	LABELADHESIVE030	Seal Label together by attaching adhesive film backing and label cavity	0.2	0.04	WC030C	Clean Assembly Room	P030
		Total	2.25	12			

Routing: SuperTag® III (HARDTAGASSY030)							
Ор #	Parts Used	STEPS	TIME (min)	соѕт	Work Center	Work Center Description	Plant
1		Magnetize magnetostrictive ribbon	0.5	0.1	WC030A	Magnetizing Machine	P030
2		Mold top and bottom housing enclosure	0.5	0.1	WC030B	Molding department	P030
3	MAGRIBBON030 BIASRIB030 TAGTOPHOUSE030	Insert magnetostrictive ribbon and bias ribbon into top housing enclosure	0.75	0.15	WC030C	Clean Assembly Room	P030
4	TAGPINSPRING030	Insert pin locking spring into top housing enclosure	0.4	0.08	WC030C	Clean Assembly Room	P030
5	TAGBOTHOUSE030	Seal top and bottom housing enclosure	0.8	0.16	WC030C	Clean Assembly Room	P030
6	TAGSECURITYPIN030	Insert security pin	0.1	0.02	WC030C	Clean Assembly Room	P030
		Total	3.05	12			

6.4 Financial Management

The following chart of accounts was implemented in SAP.

G/L Account	G/L Account name
100030	Bank (Checking Account)
101030	Alternate Bank
110030	Accounts Receivable Reconciliation
200030	Raw Materials Inventory
201030	Trading Goods Inventory
202030	Finished Goods Inventory
203030	Operating Supplies Inventory
300030	Accounts Payable Reconciliation
310030	Goods Receipt / Invoice Receipt Account
320030	Accrued Tax - Output
321030	Accrued Tax - Input
330030	Retained Earnings
350030	Common Stock 030
600030	Sales Revenue
610030	Revenue Deductions
710030	Labor Expense
720030	Raw Materials Consumption / Expense
721030	Trading Goods Consumption/Expense
722030	Finished Goods Consumption / Expense
731030	Production Order Settlement Expense
740030	Supplies Expense
750030	Utilities Expense Account
760030	Purchase Price Difference Account
762030	Production Variance Expense
770030	Information Technology Expense
780030	Rent Expense
781030	Miscellaneous Expense
790030	Cost of Goods Sold Expense

6.5 Operations

Two sales orders were received, as detailed below.

Customer Name	Customer ID	Distribution Channel	Material ID	Quantity	Total	
Earls Home	141	RE	LABELASSY030	10,000	¢ 2 6E0 00	
Building Supplies	141	KL	HARDTAGASSY030	5,000	\$ 3,650.00	
Likeware Marst Carry 140			LABELASSY030	20,000	¢ 2 5 7 2 0 0	
Hyper Mart Corp	142	WH	HARDTAGASSY030	5,000	\$ 3,572.00	

To complete these sales orders, materials had to be purchased and finished goods had to be produced. Summaries of the procurement, production, and sales processes are provided in the following tables.

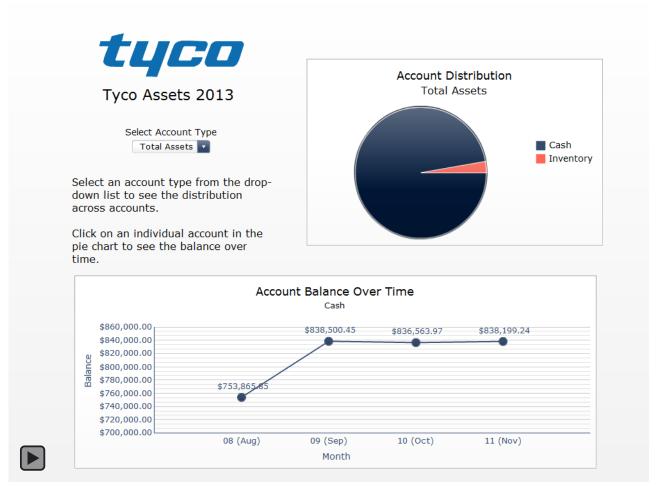
Purchase Order Summary						
Vendor	Vendor I D	Purchase Order	Goods Receipt	Invoice	Payment	
Colorful Polymers	100171	4500000224	500000361	5105601000	1500000015	
Mega Machining Company	100172	4500000225	500000362	5105601001	1500000016	
Rare Earth Alloys	100173	4500000226	500000363	5105601002	1500000017	
Best Project Material	100174	4500000227	500000364	5105601003	1500000018	

Production Order Summary						
Material ID	Planned Order	Goods Issue	Goods Receipt			
LABELASSY030	15971	1000112	490000235	500000365		
HARDTAGASSY030	15969	1000113	490000236	500000366		

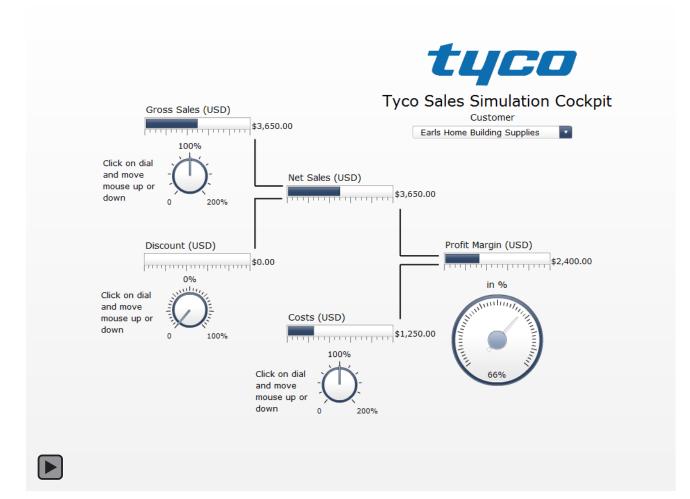
Sales Order Summary						
Customer Name Customer Sales Sales Delivery Note Invoice Payment					Payment	
Earls Home Building Supplies	141	20000061	79	80000124	90000127	1400000006
Hyper Mart Corp	142	20000062	80	80000125	90000128	140000007

6.6 SAP Crystal Dashboard Design

SAP Crystal Dashboard was used to design an interactive graphic of the cash and inventory available in 2013. Selecting either cash or inventory in the drop-down menu changes the account distribution shown in the pie chart. Selecting one of the pie pieces will show the individual account balance over time in the line chart.



SAP Crystal Dashboard was also used to display the financial information related to the two sales orders that were processed as part of the model implementation. The customer can be selected from the drop-down menu and the sales, discount, and cost information can be adjusted to determine the effects on profit margin.



7 SAP Implementation Details

Screenshots of the SAP implementation and operation are provided below.

7.1 SAP Environment

Application Server	Madrid.cob.csuchico.edu
Instance Number	01
System ID	MDR
Client	615
Company Code	C030

7.2 Changes in Enterprise Organization Structure

7.2.1 Change name of company code (SPRO)

🔄 Edit address: C030		×
Name		
Title	•	
Name	Tyco Fire & Security	
Search Terms		
Search term 1/2	030	
Street Address		
Street/House number	Congress Ave 6600	
Postal Code/City	33487 Boca Raton	
Country	US USA Region FL Florida	
Time zone	EST	

7.2.2 Change plant name (SPRO)

Change	View "Plants": Details
1 New E	ntries] 🗈 🖬 🕼 🖉 📱 🗉
Plant	P030
Name 1	Tyco Safety Products Co. Ltd.
Name 2	Shenyang
Detailed info	rmation
Language K	ey EN English
House num	er/street
PO Box	
Postal Code	
City	
Country Key	CN China
Region	070 Liaoning
County cod	
City code	
Tax Jurisdic	ion
Factory cale	ndar US Factory calendar US standard
Note:	The address fields Name1 and Name2 are not copied from the address
	creen and you must maintain them separately.
	All other addr. data can only be maintained in addr. screen.
	The changes can only be seen in the overview and detail view
	fter they have been saved.

7.2.3 Change sales organization name (SPRO)

🖉 New Entries 項	🚽 🗠 🔂 🛃 📰 📰		
les Organization	S030 Tyco Sales		
	-	-	
etailed information			
Statistics currency			
Address text name	ADRS_SENDER	RefSorg.SalesDocType	
Letter header text	ADRS_HEADER	Cust.inter-co.bill.	
Footer lines text	ADRS_FOOTER	Sales org.calendar	US
Greeting text name	ADRS_SIGNATURE		
Text SDS sender		Rebate proc.active	
ALE : Data for purchase	order		
Purch. Organization		Plant	
Purchasing Group		Storage Location	
Vendor		Movement Type	
Order Type			

7.3 New Master Data for Materials Management

7.3.1 Create two new finished goods (MMF1)

Create Finished Product HARDTAGASSY	Create Finished Product LABELASSY
🖻 🔿 Additional Data 🛛 🖧 Org. Levels 🍊 Check Screen Data 🖀	🖻 🔿 Additional Data 🖁 Org. Levels 🖆 Check Screen Data 🗂
🖉 Basic data 1 🛛 Basic data 2 🗸 Classification 🖉 🖉 Sales: sales org. 1 🛛 🧖 Sales: 🗎 🕄 🕨	🖓 Basic data 1 🛛 Basic data 2 🗸 Classification 🖉 🖓 Sales: sales org. 1 🛛 🖓 Sales:
Material HARDIAGASSY BuperTag III	Material LABELASSY Ultra Strip III Individual Label
General data	General data
Base Unit of Measure EA each Material Group 01	Base Unit of Measure EA each Material Group 01
Old material number Ext. Matl Group	Old material number Ext. Matl Group
Division 01 Lab/Office	Division 01 Lab/Office
Product allocation Prod.hierarchy	Product allocation Prod.hierarchy
X-plant matl status Valid from	X-plant matl status Valid from
Assign effect. vals GenItemCatGroup NORM Standard item	Assign effect. vals GenItemCatGroup NORM Standard item
	Material authorization group
Material authorization group	Authorization Group
Authorization Group	
Dimensions/EANs	Dimensions/EANs
Gross Weight 12 Weight unit G	Gross Weight 1 Weight unit G
Net Weight	Net Weight
Volume Volume unit	Volume Unit
Size/dimensions	Size/dimensions
EAN/UPC EAN Category	EAN/UPC EAN Category
Packaging material data	Packaging material data
Matl Grp Pack.Matls	Matl Grp Pack.Matls
Basic Data Texts	Basic Data Texts
Languages Maintained 0 🖓 Basic Data Text Language:	Languages Maintained 0 🔁 Basic Data Text Language:

7.3.2 Create relative raw materials (MMR1)

Create Raw Mate	rial BIASRIB030
🖷 🔿 Additional Data 🔒	🖥 Org. Levels 🛛 🚰 Check Screen Data 🛛 🖀
🖓 Basic data 1 Ba	sic data 2 Classification Sales: sales org. 1 Sales: sales or
Material BIASRIB030	Bias material ribbon for tag and label
General data	
Base Unit of Measure	EA each Material Group 01
Old material number	Ext. Matl Group
Division	Lab/Office
Product allocation	
X-plant matl status	Valid from
Assign effect. vals	GenItemCatGroup
Material authorization grou	p
Authorization Group	
Dimensions/EANs	
Gross Weight	0.100 Weight unit G
Net Weight	0.100
Volume	Volume unit
Size/dimensions	
EAN/UPC	EAN Category
Packaging material data	
Matl Grp Pack.Matls	
Basic Data Texts	
Languages Maintained	0 📮 Basic Data Text Language: 🔹

🔗 Basic data 1 🛛 E	Basic data 2 Classi	fication Sales: sales org. 1 Sales: sales or
Material LABELADHE	SIVE030 adhesiv	e film for labelassy030
General data		
Base Unit of Measure	EA each	Material Group 01
Old material number		Ext. Matl Group
Division		Lab/Office
Product allocation		
X-plant matl status		Valid from
Assign effect. vals		GenItemCatGroup
Authorization Group		
Dimensions/FANs		
Dimensions/EANs	0.200	Weight upit
Gross Weight	0.200	Weight unit G
	0.200	Weight unit G
Gross Weight Net Weight		
Gross Weight Net Weight Volume		
Gross Weight Net Weight Volume Size/dimensions		Volume unit
Gross Weight Net Weight Volume Size/dimensions		Volume unit

Create Raw Mate	erial LABELCAVITY
🕆 🔿 Additional Data	📇 Org. Levels 🛛 🔓 Check Screen Data 🖀
🛜 Basic data 1 🛛 B	asic data 2 Classification Sales: sales org. 1 Sales: sales or
Material LABELCAVI	TY [formed cavity for labelassy]
General data	
Base Unit of Measure	EA each Material Group 01
Old material number	Ext. Matl Group
Division	Lab/Office
Product allocation	
X-plant matl status	Valid from
Assign effect. vals	GenItemCatGroup
Material authorization gro	up
Authorization Group	
Dimensions/EANs	
Gross Weight	0.500 Weight unit G
Net Weight	0.500
Volume	Volume unit
Size/dimensions	
EAN/UPC	EAN Category
Packaging material data	
Matl Grp Pack.Matls	
Basic Data Texts	
Languages Maintained	0 📮 Basic Data Text Language: 🔹

Create Raw Mate	erial MAGRIBBC	N030
🗳 🔿 Additional Data	🖧 Org. Levels 🛛 🔓 Ch	neck Screen Data 🗎
🔗 Basic data 1 🛛 B	lasic data 2 Classifica	ation 🗸 Sales: sales org. 1 📝 Sales: sales or
Material MAGRIBBON	030 magnetos	trictive material ribbon
General data		
Base Unit of Measure	EA each	Material Group 01
Old material number		Ext. Matl Group
Division		Lab/Office
Product allocation		
X-plant matl status		Valid from
Assign effect. vals		GenItemCatGroup
Material authorization gro	up	
Authorization Group		
Dimensions/EANs		
Gross Weight	0.100	Weight unit G
Net Weight	0.100]
Volume		Volume unit
Size/dimensions		
EAN/UPC		EAN Category
Packaging material data		
Matl Grp Pack.Matls		
Basic Data Texts		
Languages Maintained	0 🟳 Basic D	ata Text Language: 🔹

Create Raw Mate	rial TAGBOTHO	USE030	
🖷 🔿 Additional Data 🛛 🖞	🖥 Org. Levels 🛛 着 Cho	eck Screen Data 🖞	2
🖉 Basic data 1 🛛 Ba	isic data 2 Classificat	tion Sales: sales of	org. 1 Sales: sales or
Material TAGBOTHOUS	E030 bottom pla	stic part for hardtaga	issy030
General data			
Base Unit of Measure	EA each	Material Group	01
Old material number		Ext. Matl Group	
Division		Lab/Office	
Product allocation			
X-plant matl status		Valid from	
Assign effect. vals		GenItemCatGroup	
Material authorization grou	ıp		
Authorization Group			
Dimensions/EANs			
Gross Weight	4	Weight unit	G
Net Weight	4		
Volume		Volume unit	
Size/dimensions			
EAN/UPC		EAN Category	
Packaging material data			
Matl Grp Pack.Matls			
Basic Data Texts			
Languages Maintained	0 🟳 Basic Da	i <mark>ta Text</mark> Langu	age: 💌

Create Raw Mat			
省 🔿 Additional Data	Grg. Levels	Gin Check Screen [Data 🛱
🔗 Basic data 1	Basic data 2	Classification Sale	es: sales org. 1 Sales: sales or
Material TAGTOPHOU	ISE030	op plastic part for hard	itagassy030 🔤 🔝
General data			
Base Unit of Measure	EA ez	ich Material Gr	oup 01
Old material number		Ext. Matl G	
Division		Lab/Office	
Product allocation			
X-plant matl status		Valid from	
Assign effect. vals		GenItemCa	atGroup
Material authorization gro	bup		
Authorization Group			
Disc			
Dimensions/EANs			
Gross Weight	4.700	Weight un	it G
Net Weight	4.700		
Volume		Volume un	
Size/dimensions EAN/UPC		EAN Categ	
EANUUPC		EAN Categ	JOLA
Packaging material data			
Matl Grp Pack.Matls			

Create Raw Mate	erial TAGPINSPR	NING030
🖷 🔿 Additional Data	🖧 Org. Levels 🛛 🔓 Che	eck Screen Data
🔗 Basic data 1 🛛 Ba	asic data 2 Classificat	tion V Sales: sales org. 1 V Sales: sales or
Material TAGPINSPRI	NG030	ng for hardtagassy030 🛛 📩 🔝
General data		
Base Unit of Measure	EA each	Material Group 01
Old material number		Ext. Matl Group
Division		Lab/Office
Product allocation		
X-plant matl status		Valid from
Assign effect. vals		GenItemCatGroup
Material authorization grou	q	
Authorization Group		
Dimensions/EANs		
Gross Weight	1	Weight unit G
Net Weight	1	
Volume		Volume unit
Size/dimensions		
EAN/UPC		EAN Category
De de de contrato del dete		
Packaging material data		
Matl Grp Pack.Matls		
Basic Data Texts		
	0 🔁 Basic Dat	ta Text
Languages Maintained	0 다 Basic Dat	ta Text Language:

Create Raw Mate	erial TAGSE	CURITYPIN030	
🖷 🔿 Additional Data	🛱 Org. Levels	🚰 Check Screen Data	3
Sales text 🖉 🖓 Pu	rchasing Fo	oreign trade import Purch	nase order text 🛛 🔗 M. 📄 💽
Material TAGSECURIT Plant P030		security pin for hardtagssy03 co Safety Products Co. Ltd.	303] 🔝
General Data			
Base Unit of Measure	EA each	n Order Unit	Var. OUn
Purchasing Group	030	Material Group	01
Plant-sp.matl status		Valid from	
Tax ind. f. material		Qual.f.FreeGoodsDis	5.
Material freight grp		Autom. PO	
Batch management			
Purchasing values			
Purchasing value key		Shipping Instr.	
1st Rem./Exped.	0 days	Underdel. Tolerance	0.0 percent
2nd Reminder/Exped.	0 days	Overdeliv. Tolerance	0.0 percent
3rd Reminder/Exped.	0 days	Min. Del. Qty in %	0.0 percent
StdValueDelivDateVar	0 days	Unitd Overdelivery	Acknowledgment Reqd
Other data / manufacture	r data		
GR Processing Time	3 days	Post to insp. stock	Critical Part
Quota arr. usage		Source list	JIT Sched. Indicator

7.3.3 Create new vendors (XK01)

List of Vendors: Purch	asing																				
3 4 7 7 2 % 6	1 🛍 <	ا 🞝	T 🕒 🛛	<u>k</u> 🎟 🗉		🚺 🗞 Purch	nasin	g <	🛠 Central												
Name of vendor	Street 0	ty P	ost.Code	City	Group	Search term E	B	F De	IF One-time	POrg	Purch. Org. Descr.	PayT	IncoT	Inco. 2 B	D	Min. value	Crcy	Salespers.	Telephone	POrg Σ Nu	umber
7																					4
Vendor 100171																					1
Colorful Polymers International030	C	N 2	01900	Shanghai	KRED	030				P030	Purchasing Org. 030	0001				0.00	USD				1
Vendor 100172																					1
Mega Machining Company030	K	(R 61	38-823	Seoul	KRED	030				P030	Purchasing Org. 030	0001				0.00	USD				1
Vendor 100173																					1
Rare Earth Alloys, LLC.030	0	E 1	0319	Berlin	KRED	030				P030	Purchasing Org. 030	0001				0.00	USD				1
Vendor 100174																					1
The Best Project Material CO.030	C	N 2	52100	shangdong	KRED	030				P030	Purchasing Org. 030	0001				0.00	USD				1

7.3.4 Create new info records for new raw materials (ME11)

Create Info	Record: Initial Screen	Create Info Record: Initial Screen	Create Info Record: Initial Scree
	100171	Vendor ¹ 100171	Vendor 100174
	TAGBOTHOUSE030		Material LABELCAVITY030
Material		Material TAGTOPHOUSE030	Purchasing Org. P030
	P030	Purchasing Org. P030 Plant P030	Plant P030
Plant Info Record	2030		Info Record
Into Record		Info Record	
Info category		Info category	Info category
 Standard 		(•) Standard	 Standard
Subcontracting		Subcontracting	OSubcontracting
 Pipeline 		O Pipeline	OPipeline
 Consignment 		O Consignment	O Consignment
0	Description of the later of the		
Create Info	Record: Initial Screen	Create Info Record: Initial Screen	Create Info Record: Initial Scree
Vendor	100174	Vendor	Vendor
Material	LABELADHESIVE030		
Purchasing Org.	P030	Material MAGRIBBON030	
Plant	P030	Purchasing Org. P030	Purchasing Org. P030 Plant P030
Info Record		Plant P030	
		Info Record	Info Record
Info category		Info category	Info category
 Standard 		Standard	Standard
○ Subcontracting		Subcontracting	Subcontracting
○ Pipeline			Pipeline
 Consignment 		O Pipeline	
		O Consignment	Consignment
Create Info	Record: Initial Screen	Create Info Record: Initial Screen	
/endor	100172	Vendor 100172	
Naterial	TAGPINSPRING030	Material TAGSECURITYPIN030	
	P030	Purchasing Org. P030	
	P030	Plant P030	
nfo Record		Info Record	
Info category		Info category	
 Standard 		 Standard 	
		Subcontracting	
Subcontracting			
 Subcontracting Pipeline 		OPipeline	
		O Pipeline Consignment	

7.3.5 Create source lists for raw materials and vendors (ME01)

👦 🔎 Maintain Source List: Overview Screen	Plaintain Source List: Overview Screen
3144055590	S û A A D B B S O O
laterial LABELCAVITY030 [formed cavity for labelassy030] lant P030 Tyco Safety Products Co. Ltd.	Naterial LABELADHESIVE030 adhesive film for labelassy030 Plant P030 Tyco Safety Products Co. Ltd.
Source List Records	Source List Records
Valid from Valid to Vendor POrg PPI OUn Agmt Item Central Co 11/05/2013 12/31/2013 100174 p030	Vald from Vald to Vendor POrg PPI OUn Agmt Item Central C 11/05/2013 12/31/2013 100174 p030 <td< th=""></td<>
👼 🔎 Maintain Source List: Overview Screen	9. Maintain Source List: Overview Screen
9 î A A D E B B 9 î	
Material MAGRIBBON030 magnetostrictive material ribbon Plant P030 Tyco Safety Products Co. Ltd.	Material BIASRIB030 bias material rbbon for tag and label Plant P030 Tyco Safety Products Co. Ltd.
Source List Records	Source List Records
Valid from Valid to Vendor POrg PPI OUn Agmt Item Central Co 11/05/2013 12/31/2013 100173 p030 p	Vald from Vald to Vendor POrg PPI OUn Agmt Item Central C 11/05/2013 12/31/2013 100173 2030 2
 Maintain Source List: Overview Screen I A A D B B B B S □ 	 Maintain Source List: Overview Screen I A A □ B B B S □
Maintain Source List: Overview Screen Image: State in the	
Image: Constraint of the second se	Image: Constraint of the second se
Image: A final state of the state of th	Image: A mathematical state of the stat
Image: Constraint of the state of the s	Image: Construction of the state of the
Image: Second system Image: Second system <td< td=""><td>Image: Constraint of the state of the s</td></td<>	Image: Constraint of the state of the s
Image: A for a fo	Image: Constraint of the second se
Image: Second	Material TAGBOTHOUSE030 bottom plastic part for hardtagassy030 Plant P030 Tyco Safety Products Co. Ltd. Source List Records Vald from Vald to Vald from Vald to POrg 11/05/2013 12/31/2013 100171 p030 Maintain Source List: Overview Screen Image: Comparison of the second seco

7.4 New Master Data for Sales Management

7.4.1 Create new customers (XD01)

Cust	Customer List																
🔇 ६२	◎ ☆ / L 田 司 I 🖞 🗐 🕮 冊 冊 冊																
Custome	- COra	DChi	Dv	soff	C.m	Name 1	City	Search term	Name 1	Street	House No.	Bort Codo	Chu	Cty	Re	Telephone1	OrPlk Or
	S030			5011.			CHARLOTTE		Earls Home Building Supplies		House No.		Charlotte			relephoner	UTBIK UTB
142	5030		01			HYPER MART CORPORATION 03		030	Hyper Mart Corporation 030				Branson				
143	S030	RE	01			EURO COUTURE 030	LINDEN	030	Euro Couture 030	210 North Wood Avenue		07036	Linden	US	LΩ		

7.4.2 Create customer specific material prices for finished products (VK31)

Create Customer: Sales Area Data	Create Customer: Sales Area Data				
🖷 Other Customer 🛛 General Data Company Code Data 🕼 🛃 CIN Details Additional Data, Emp	t 🖷 Other Customer 🛛 General Data Company Code Data 🖨 🛃 CIN Details Additional Data, Empt				
Customer INTERNAL Earls Home Building Supplies Charlotte Sales Org. S030 Tyco Sales Tyco Sales Distr. Channel RE Retail Division 01 General Products Front Sales Front Sales Front Sales	Customer INTERNAL Hyper Mart Corporation 030 Branson Sales Org. 5030 Tyco Sales Distr. Channel WH Wholesale Division 01 General Products General Products General Products				
Sales Shipping Billing Documents Partner Functions	Sales Shipping Billing Documents Partner Functions				
Billing document Subs. invoice processing Rebate Invoicing dates InvoicingListDates	Billing document Subs. Invoice processing Rebate Invoicing dates InvoicingListDates				
Delivery and payment terms Incoterms FOB Origin Shipping Dock Terms of payment 0001	Delivery and payment terms Incoterms FOB Origin Shipping Dock Terms of payment 0001				
Accounting Acct assgmt group D1 Taxes	Accounting Acct assgmt group 01 Taxes				
Country Name Tax categ Name Tax Description	Country Name Tax categ Name Tax Description				
CN China MWST Output Tax 0	CN China MWST Output Tax 0 US USA UTX2 Country Sales Tax 0				
US USA UTX2 County Sales Tax 0 US USA UTX3 City Sales Tax 0	US USA UIX3 City Sales Tax 0				
US USA UIXJ Tax Jurisdict.Code 0	US USA UTXJ Tax Jurisdict.Code 0				
↓ ↓					
Create Customer: Sales Area Data					

Sales Shipping Billing Documents Partner Functions

Sales order			
Sales district]	Order probab.	100 %
Sales Office		AuthorizGroup	
Sales Group		Item proposal	
Customer group		Acct at cust.	
ABC class		UoM Group	
Currency USD	United States Dollar	Exch. Rate Type	
Switch off rounding		PP cust. proc.	
Product attributes			
Pricing/Statistics			
Price group			
Cust.pric.proc. 1	Standard		
Price List			
Cust.Stats.Grp 1			
Agency business			
Relevant for agency busin	less		
Customer hierarchy			
Hierarchy type			
Higher-level customer			

				-	
Create Customer Discount Condition (K007) : Scales					
🍪 🚨 🖥					
Prices	Variable k	ey.			
 Discounts/Surcharç By Customer 	SOrg.	DChl	Customer	ReSt	Description
• (By Material	S030	WH 142			Hyper Mart Corporation 030
• 🕒 By Price Group					
• 🕀 By Material Grc					
 By Customer/Mat By Customer/Mat 	Validity				Control
• 🕞 By Customer/Mat	Valid From	n	11/04/	2013	ScaleBasis B Value scale
• 🕀 By Price Group/	Valid to	12/31/	9999	Check None	
Freight					

ScCur Amount

5 %

8

10

Unit per U...

...

*

Scales

From

Scale Type Scale value

Taxes
 Conditions

Create discount for your new customer (VK31) 7.4.3

Setup credit limit for your new customer (FD32) 7.4.4

1000 USD

2000

3000

Թ , Customer Credit Management Change: Central Data	👼 📴 Customer Credit Management Change: Central Data
6 B	6 B
Customer 142 Hyper Mart Corporation 030	Customer 141 Earls Home Building Supplies
Current credit limit assigned	Current credit limit assigned
Total amount 0.00 Largest indiv.limit 0.00	Total amount 5,000.00 Largest indiv.limit 5,000.00 Coso Coso
Maximum permitted credit limits	Maximum permitted credit limits
Total amount 6000 Individual limit 6000 Currency used	Total amount 5,000.00 Individual limit 5,000.00 Currency USD
Last information	Last information
Last general info	Last general info

Credit Management Change: Central Data
143 Euro Couture 030
ed
0.00
0.00
: limits
5000
5000
usd D

7.5 New Master Data for Production Management

7.5.1 Modify your plant capacity if necessary (CR12)

Change	Capacity:	Header

Intervals and Shifts	Intervals	ళ్ళ Available Capacity Profile 🛛 🖉 Reference Available Capacity
Plant	P030	Tyco Safety Products Co. Ltd.
Capacity Capacity category	002	Person
General data		
Capacity planner grp	A	Planner group A
Pooled capacity		Grouping
Available capacity		
Factory calendar ID	US	Factory calendar US standard
Active version		
Base unit of meas.	MIN	Minute
Standard available capaci	ty	
Start	08:00:00	
Finish	20:00:00	Capacity utilization 90
Length of breaks	01:00:00	No. of indiv. cap. 4
Operating time	9.90	Capacity 39.60 H
Planning details		
✓ Relevant to finite sche	eduling	Overload §
Can be used by sever	al operations	✓ Long-term planning

7.5.2 Modify labor activity price if necessary (KP26)

Display Activity Type/Price Planning: Overview Screen							
🖉 🔺 🔻 🔍 🖪 🖪 🕢 🖉 🖾 Line items	6 B						
Version Period Plan/Act - Version Period 1 To 12							
Fiscal Year 2013 Cost Center D005	Warehouse						
B Activi Plan Activity Dis Capacity	Dis U Price (Fixed) Variable pr Price Pl P Av Alloc. cost T EquiNo Scheduled Activity L						
LABOR 100,000 2	0 2 H 0.00 15.00 00001 1 🗌 🔂 800030 1 1 0						

7.5.3 Modify your work center for production if necessary (CR02)

	1. C D D						
Display Wor	rk Center: Basic Data			Display W	ork Center: Bas	ic Data	
🕲 HRMS 🚆 Hierarchy				🕲 HRMS 🚆 Hierarchy	r		
Plant P	7030 Tyco Safet	ty Products Co. Ltd.		Plant	P030	Tyco Safety Products Co. Lt	ł.
Work center	CO30A Magnetizin	ng Machine		Work center	WC030B	Molding Department	
Basic Data Default Va	/alues Capacities Schedu	uling Costing T	Fechnology	Basic Data Defau	It Values Capacities	Scheduling Costing	Technology
-							
General Data			÷	General Data			⁺
Work center cat.	0003 Labor			Work center cat.	0003	Labor	
	030 Lilly			Person responsible	030	Lilly	
Location	030 Bldg030			Location	030	Bldg030	
QDR system				QDR system			
Supply Area				Supply Area			
Usage	009 All task lis	st types		Usage	009	All task list types	
Backflush				Backflush			
Shift Note Type				Shift Note Type			
Shift Report Type				Shift Report Type			
Standard Value Maintenance	ce			Standard Value Mainten	ance		
	SAP1 Normal pr	roduction		Standard value key	SAP1	Normal production	
Standard Values Overview				Standard Values Over	rview		
	Rule for Maint. K Descript	tion 🛄		Key Word	Rule for Maint. K	Description	
	should be en 🔻			Setup	should be en 🔻		
	no checking 🔻			Machine	no checking 🔻		
Labor s	should be en 🔻			Labor	should be en 🔻		
		^					▲
		▼				4 1	•
		1 1			4 1	4 >	
			-				⁺

👼 🖌 Display V	Vork Center: Ba	asic Data	
🕲 HRMS 🛛 🖁 Hierarch	у		
Plant	P030	Tyco Safety Products Co. Ltd.	
Nork center	WC030C	Clean Assembly Room	
Basic Data Defau	ılt Values Capaciti	es Scheduling Costing Technology	
General Data			-
Work center cat.	0003	Labor	
Person responsible	030	Lilly	
Location	030	Bldg030	
QDR system			
Supply Area			
Usage	009	All task list types	-
Backflush			
Shift Note Type			
Shift Report Type			
			#
Standard Value Mainter			
Standard value key	SAP1	Normal production	
Standard Values Ove			
Key Word	Rule for Maint.	K Description	
Setup Machine	should be en		
Machine Labor	no checking should be en		
Laboi	bilouru be en		
		<u> </u>	
	4 F	4 1	
			-

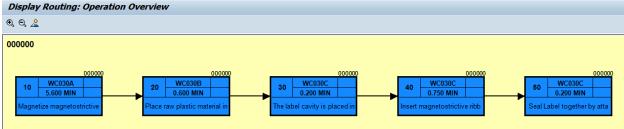
7.5.4 Create BOM for two new finished products (CS01)

reate ma	terial BOM: Gene	ral Item Overview								
B 2 4	🖡 🤽 Subitems 👘 New	entries 🛱 🛛 🕸 🚹 Header 🛛 🖗	Validity							
erial t mative BOM	LABELASSY030 P030 Tyco Safety Proc 1	Ultra Strip III Individual Label lucts Co. Ltd.								
Material	Document General									
Material Item ICt	Document General	Component description	Funct.ID	Quantity	Un	A	SIs	Valid From	Valid to	Change No
		Component description formed cavity for labelassy030	Funct.ID	Quantity 1	Un EA			Valid From 11/05/2013		
Item ICt	Component	· · · · · ·	Funct.ID	Quantity 1 2					12/31/9999	
Item ICt 0010 L	Component LABELCAVITY030	formed cavity for labelassy030		Quantity 1 2 1	EA			11/05/2013	12/31/9999 12/31/9999	
Item ICt 0010 L 0020 L	Component LABELCAVITY030 MAGRIBBON030	formed cavity for labelassy030 magnetostrictive material ribbon		Quantity 1 2 1 1	EA EA			11/05/2013 11/05/2013	12/31/9999 12/31/9999 12/31/9999	

create material E	OM: General Item Overview										
🛃 🖪 🛛 🖪 🐣 🤽 Subi	tems 🔹 New entries 📋 🛛 😹 Header	Validity									
	SASSY030 SuperTag III ycco Safety Products Co. Ltd.										
Material Document	General										
1		Funct.ID	Quantity	Un	A	SIs	Valid From	Valid to	Change No.	P SortStrng	Ite
Item ICt Component	Component description	Funct.ID	Quantity	Un EA			Valid From 11/05/2013	Valid to 12/31/9999	Change No.	P SortStrng	Ite
Item ICt Component 0010 L TAGTOPHOUS	Component description]	Quantity 1					12/31/9999	-	P SortStrng	Ite
Item ICt Component 0010 L TAGTOPHOUS 0020 L TAGBOTHOUS	Component description 1030 top plastic part for hardtagassy030 1030 bottom plastic part for hardtagassy030]	Quantity 1 1 2	EA			11/05/2013	12/31/9999 12/31/9999	-	P SortStrng	Ite
Item ICt Component 0010 L TAGTOPHOUS 0020 L TAGBOTHOUS	Component description 1030 top plastic part for hardtagassy030 1030 bottom plastic part for hardtagassy030]	Quantity 1 2 1	EA EA			11/05/2013 11/05/2013	12/31/9999 12/31/9999 12/31/9999		P SortStrng	Ite
Item ICt Component 0010 L TAGTOPHOUS 0020 L TAGBOTHOUS 0030 L MAGRIBBONO	Component description 2030 Fop plastic part for hardtagassy030 2030 bottom plastic part for hardtagassy030 2030 magnetostrictive material ribbon bias material ribbon for tag and label]	Quantity 1 1 2 1 1	EA EA EA			11/05/2013 11/05/2013 11/05/2013	12/31/9999 12/31/9999 12/31/9999 12/31/9999		P SortStrng	Ite
Item ICt Component 0010 L TAGTOPHOUS 0020 L TAGBOTHOUS 0030 L MAGRIBBONO 0040 L BIASRIBO30	Component description (2030) Exp plastic part for hardtagassy030 (2030) bottom plastic part for hardtagassy030 (2030) magnetostrictive material ribbon bias material ribbon for tag and label (2030) tag pin spring for hardtagassy030]	Quantity 1 1 2 1 1 1 1	EA EA EA EA			11/05/2013 11/05/2013 11/05/2013 11/05/2013	12/31/9999 12/31/9999 12/31/9999 12/31/9999 12/31/9999		P SortStrng	Ite

7.5.5 Create routings for two new finished goods (CA01)

B B 1	1 🍄 🛛	D F	ef. Work center 🧟 CompA	lloc 🙎 Sequences	2 PRT	Ø	2	Inspe	ectior	h Char	acte	eristics							
ELASSY030) Ultra	Strip	III Individual Label Grp.Cou	nt1															
0				1															
verv.																			
	Pint Co		andar Description		l	P	Cl	0	p	C		Base Quantity	U	Setup	U	Activi	Machine	U	Activi
F		_		tive ribbon	-				_		_	1	-	-	_		Hoemite	0	
L	_					-			_			1	-	0.100					
						-		-	-				-						
		_				-	-	-	0				-						
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	P030		bear Eaber together by t	reacting duries			-		-				EA						
	ELASSY030	LASSY030 Ultra 0 Verv. Vork c Pint Co 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LASSY030 Ultra Strip 0 Work c Pint Co Str WC030A 30 ASSY WC030C P030 ASSY WC030C P030 ASSY WC030C P030 ASSY	LASSY030 Ultra Strip III Individual Label Grp.Cou verv. Work c Plnt Co Standar Description WC030A 330 ASSY Magnetize magnetostric WC030B P030 ASSY Place raw plastic materia WC030C P030 ASSY The label cavity is placed WC030C P030 ASSY Insert magnetostrictive	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work C Pht Co Standar Description L Wcork G Jos ASSY Magnetize magnetostrictive ribbon Wc030A Jos ASSY Place raw plastic material in forming di Wc030C P030 ASSY The label cavity is placed in an assembl Wc030C P030 ASSY Insert magnetostrictive ribbon and bias	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0 P Work c Pint Co So assy Magnetize magnetostrictive ribbon WC0300 P030 ASSY Place raw plastic material in forming di WC030C P030 ASSY The label cavity is placed in an assembl WC030C P030 ASSY Insert magnetostrictive ribbon and bias	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0	LASSY030 Ultra Strip III Individual Label Grp.Count1 0 P Work c Pht Co Standar Work c Pht Co Standar Work c Pht Co Standar Wc0300 Diso Assy Magnetize magnetostrictive ribbon Wc0300 P030 Assy Place raw plastic material in forming di Wc0300C P030 Assy The label cavity is placed in an assembl Wc0302 P030 Assy Insert magnetostrictive ribbon and bias	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0	Work c Pint Co Standar Description L P Cl O P Standar Base Quantity WC030A Iso ASSY Magnetize magnetostrictive ribbon I I WC030B P030 ASSY Place raw plastic material in forming di I I WC030C P030 ASSY The label cavity is placed in an assembl I I WC030C P030 ASSY Insert magnetostrictive ribbon and bias I I	LASSY030 Ultra Strip III Individual Label Grp.Count1 0 P Cl O P Social Standar Base Quantity U Work c Pht Co Standar Description L P Cl O Social Standar Base Quantity U WC0300 300 ASSY Magnetize magnetostrictive ribbon 1 EA WC0300 P030 ASSY Place raw plastic material in forming di 1 EA WC0300C P030 ASSY The label cavity is placed in an assembl 1 EA WC0300C P030 ASSY Insert magnetostrictive ribbon and blas	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0 P Cl O Setup werv. P Cl O Setup Work c Pht Co Standar Description Interview Wc0300 D30 ASSY Magnetize magnetostrictive ribbon Interview Interview EA 5 Wc0300 P030 ASSY Place raw plastic material in forming di Interview Interview EA 0.100 Wc0300 P030 ASSY The label cavity is placed in an assembl Interview Interview Interview EA 0.100 Wc0300 P030 ASSY Insert magnetostrictive ribbon and bias Interview Interview <td< td=""><td>ELASSY030 Ultra Strip III Individual Label Grp.Count1 0 </td><td>ELASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work c Pht Co Standar Description L P C O P C S Base Quantity U Setup U Activi WC030A 050 ASSY Magnetize magnetostrictive ribbon P030 ASSY Place raw plastic material in forming di D1 EA 0.100 MIN LABOR WC030C P030 ASSY Insert magnetostrictive ribbon and bias D1 EA 0.100 MIN LABOR WC030C P030 ASSY Insert magnetostrictive ribbon and bias D1 EA 0.100 MIN LABOR</td><td>LASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work c Pht Co Standar Description L P Cl O P C S Base Quantity U Setup U Activi Machine WC0300 P030 ASSY Magnetize magnetostrictive ribbon WC030E P030 ASSY Place raw plastic material in forming di DI EA 0.100 MIN LABOR WC030E P030 ASSY Insert magnetostrictive ribbon and bias DI I EA 0.100 MIN LABOR</td><td>LASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work c Pht Co Standar Description L P Cl O P C S Base Quantity U Setup U Activi Machine U WC030A 050 ASSY Magnetize magnetostrictive ribbon P030 ASSY Place raw plastic material in forming di P030 ASSY The label cavity is placed in an assembl P030 ASSY Insert magnetostrictive ribbon and bias P030 ASSY Insert magnetostrictive ribbon and bias P030 ASSY Insert magnetostrictive ribbon and bias P030 ASSY Place raw plastic magnetostrictive ribbon and bias P030 ASSY Place raw plast</td></td<>	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0	ELASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work c Pht Co Standar Description L P C O P C S Base Quantity U Setup U Activi WC030A 050 ASSY Magnetize magnetostrictive ribbon P030 ASSY Place raw plastic material in forming di D1 EA 0.100 MIN LABOR WC030C P030 ASSY Insert magnetostrictive ribbon and bias D1 EA 0.100 MIN LABOR WC030C P030 ASSY Insert magnetostrictive ribbon and bias D1 EA 0.100 MIN LABOR	LASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work c Pht Co Standar Description L P Cl O P C S Base Quantity U Setup U Activi Machine WC0300 P030 ASSY Magnetize magnetostrictive ribbon WC030E P030 ASSY Place raw plastic material in forming di DI EA 0.100 MIN LABOR WC030E P030 ASSY Insert magnetostrictive ribbon and bias DI I EA 0.100 MIN LABOR	LASSY030 Ultra Strip III Individual Label Grp.Count1 0 werv. Work c Pht Co Standar Description L P Cl O P C S Base Quantity U Setup U Activi Machine U WC030A 050 ASSY Magnetize magnetostrictive ribbon P030 ASSY Place raw plastic material in forming di P030 ASSY The label cavity is placed in an assembl P030 ASSY Insert magnetostrictive ribbon and bias P030 ASSY Insert magnetostrictive ribbon and bias P030 ASSY Insert magnetostrictive ribbon and bias P030 ASSY Place raw plastic magnetostrictive ribbon and bias P030 ASSY Place raw plast



equence	0	AGASSY	030	Super	Tag III	Grp.Count1															
Operatio																					
B Op S	Op W	/ork c	Pint	Co 9	Standar	Description		L	P (Cl () P	C	S	Base Quantity	U	Setup	U	Activi	Machine	U	Activi
0010	WC	C030a	P030	ASSY		Magnetize magnetostrictive ri	obon							1	EA	5	MIN	LABOR			-
0020	WC	C030b	P030	ASSY		Mold top and bottom housing	enclosure							1	EA	0.100	MIN	LABOR			
0030	WC	030c	P030	ASSY		Insert ribbons into top housei	ng							1	EA	0.100	MIN	LABOR			
0040	WC	030c	P030	ASSY		into top housing enclosure								1	EA	0.100	MIN	LABOR			
0050	WC	030c	P030	ASSY		Seal top and bottom housing	enclosure							1	EA	0.100	MIN	LABOR			
0060	WC	030c	P030	ASSY		Insert security pin								1	EA	0.100	MIN	LABOR			
0070			P030			-		10							EA						

000000				
10 WC030A 20 WC030B 5.500 MIN 0.500 MIN Mold top and bottom here	30 WC030C 000000 0.750 MIN Insert ribbons into top hous	40 WC030C 000000 0.400 MIN 1000 000000	50 WC030C 0.800 MIN Seal top and bottom housin	60 WC030C 0.200 MIN Insert security pin

7.5.6 Create product group (MM01)

Material TYCOTAGLABEL030 created

7.5.7 Assign members for your product group (MC86)

Change Product Group: Maintain Members (Materials)

Hierarchy graphic	Versions.	Master da	ata P	roduct grp	. graphic	Delete r	member	
Product group	TYCOTAGL	ABEL030	Тусо Та	g and Labe	el group 03	30		
Plant	P030		Tyco Sat	fety Produ	cts Co. Ltd	ł.		
Base Unit	EA							
Member number	Plnt	Unit conv. Short Text	Ag	ggr.fact.	Prop	portion	UoM MTyp	V M Fx
LABELASSY030	p030				80			
HARDTAGASSY030	p030				20			

7.6 Operation Activities

7.6.1 After implementation, send an email to your instructor to introduce two new products with prices in WH, discount rate, credit limit, delivery date

Finished Product	Price	Per	Product Group
LABELASSY030	\$274.95	5000	TYCOTAGLABEL030
HARDTAGASSY030	\$631.80	1000	TYCOTAGLABEL030

Customer	Address	Distr. Ch	Region	Cust. #	Credit Limit	Discount Rate
Earls Home Building Supplies	4927 Monroe Rd Charlotte, NC 28203	RE	East	141	\$5000	
Hyper Mart Corporation	300 Tanger Blvd Branson, MO 65616	WH	West	142	\$6000	5%/\$1000 8%/\$2000 10%/\$3000
Euro Couture	210 North Wood Avenue Linden, NJ 07036	RE	East	143	\$5000	

7.6.2 Create SOP for production group (MC82)

	Change Rough-	Cut F	Plan								
[🖪 Characteristic 🛛 🔢										
Pk	oduct group ant ersion	P030	AGLABEL030	Тусо	Tag and Label	group 030	Activ	e			
	SOP: plan individual pro	duct gro	up								
E	Planning table	Un	M 11/2013	M 12/2013	M 01/2014	M 02/2014	M 03/2014	M 04/2014	M 05/2014	M 06/2014	M 07/2014
	Sales	EA	50000								
	Production	EA	50000								
	Stock level	EA									
	Target stock level	EA									
	Days' supply	***									
_	Target days' supply	***									

7.6.3 Transfer planning data to demand management (MC75)

Transfer Pla	nning Data to D	Demand Management
Transfer now		
Product group Plant	TYCOTAGLABEL030	Tyco Tag and Label group 030 Tyco Safety Products Co. Ltd.
Version	A00	
Transfer strategy ar	nd period	
OSales plan for ma	terial or PG members	
OSales plan for ma	t. or PG members as pro	oportion of PG
OProduction plan f	for material or PG memb	ers
Prod.plan for mat	t. or PG members as pro	portion of PG
From	11/12/2013	То
✓ Invisible transfer		
Independent requir	ement specifications	
Requirements type		
Version		
✓ Active		

7.6.4 Create sales quotation based on your new customer request (VA21)

Create Quot	ation: Ove	erview								
4 G 🕹 🖓	l 🔗 🎛 Ord	ers								
Quotation Sold-To Party	141	Earls Home E	Net value Suilding Supp	lies /	/ Charle	tte NC 282	-,	USD		
Ship-To Party	141	Earls Home E								
PO Number	2013-030-X		PO date		_	/12/2013		2		
Sales Item o	overview I	tem detail 🛛	Ordering pa	arty	Proc	urement	Shipping	Reason for rejection		
Valid from	11/12/2013		Valid to		12,	/12/2013				
Req. deliv.date	D 11/15/2	013	Expect.ord	.val.			2,555.00 0	SD		
All items										
Item Material		Order Quant	ity	SU	AltItm	Description	n		[
10 LABELA	SSY030		10,000	EA		Ultra Strip	III Individual L	abel	(
20 HARDTA	GASSY030		5,000	EA		SuperTag	III			
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	R 21-8, 2	00	ÿ 🖪 🚦	Ξ,						
Create Quot										
Quotation			Net value				3,572.00	USD		
Sold-To Party	142	Hyper Mart C	Corporation C	30 /	300 Tar	nger Blvd /	Branson MO 6			
Ship-To Party	142	Hyper Mart C	Corporation C	30 /	300 Tar	nger Blvd /	Branson MO 6			
PO Number	2013-030-Y		PO date		11/	12/2013		2		
Sales Item o	overview I	tem detail 💡	Ordering pa	arty	Proc	urement	Shipping	Reason for rejection		
Valid from	11/12/2013		Valid to		12/	12/2013				
Req. deliv.date	D 11/15/2	013	Expect.ord	.val.			2,500.40 U	SD		
All items										
Item Material		Order Quant			AltItm	Description				
10 LABELA			20,000				III Individual L	abel	L	-
20 HARDTA	GASSY030		5,000	EA		SuperTag	111			
L		Ø								1
4 1									4 1	
	B 24 % 9	0	3 <u>1</u> 3	<u>Z</u>						

Create Stand	lard Orde	er: Overvie	ew					
5 G 🕹 🖓	🔗 🛗 Ord	lers						
Standard Order			Net value			3,650.00 US	D	
Sold-To Party	141	Earls Home E	Building Supp	olies / /	Charlotte NC 28	3203		
Ship-To Party	141	Earls Home E	Building Supp	olies / /	Charlotte NC 28	3203	_	
PO Number	2013-030-X		PO date		11/12/2013]	2	
						4	_	
Sales Item o	overview	item detail 💡	Ordering p	arty	Procurement	Shipping	Reason for rejection	
Req. deliv.date	D 11/15/	2013	Deliver.Plar	nt				
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Delivery block		•	Volume			0.000		
Billing block		•	Pricing dat	e	11/12/2013]		
Payment card			Exp.date			ĺ		
Card Verif.Code								
Payment terms	0001 Pay in	nmediately w/.	. Incoterms		FOB Origin S	hipping Dock		
Order reason					-		<u>^</u>	
L	_1							
All items								
Item Material		Order Quant	ity	Un S	Description		Customer Material Numb	
10 LABELAS	SY030		10,000	EA	Ultra Strip III	Individual Label		
20 HARDTAG	ASSY030		5,000	EA	SuperTag III			- 1
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	R 24-6.	n (6)/	<u>a</u> 👩	<u></u> 君				
Create Stand	lard Orde	r: Overvie	ew.					
4 G 🕹 🖓	🖉 🎛 Ord	lers						
Standard Order			Net value			3,572.00 US	D	
Sold-To Party	142	Hyper Mart C	Corporation (30 / 30	00 Tanger Blvd /	/ Branson MO 6		
Ship-To Party	142	Hyper Mart C	Corporation (
PO Number				130 / 31	00 Tanger Blvd /	/ Branson MO 6		
			PO date	<u>)30 / 31</u>	00 Tanger Blvd /	/ Branson MO 6	2	
			PO date	30/30	00 Tanger Blvd ,	<u>/ Branson MO 6</u>	æ	
Sales Item o	overview I	item detail	PO date Ordering pa		00 Tanger Blvd / Procurement		Reason for rejection	
			Ordering pa	arty				
Req. deliv.date	D 11/15/		Ordering pa Deliver.Plar	arty ht		Shipping		
Req. deliv.date		2013	Ordering pa Deliver.Plar Total Weig	arty ht		Shipping	Reason for rejection	
Req. deliv.date Complete dlv. Delivery block		/2013	Ordering pa Deliver.Plar Total Weig Volume	arty nt ht	Procurement	Shipping		
Req. deliv.date Complete dlv. Delivery block Billing block		2013	Ordering pa Deliver.Plar Total Weig Volume Pricing date	arty nt ht		Shipping	Reason for rejection	
Req. deliv.date Complete dlv. Delivery block Billing block Payment card		/2013	Ordering pa Deliver.Plar Total Weig Volume	arty nt ht	Procurement	Shipping	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code	D 11/15/	(2013) •	Ordering pa Deliver.Plan Total Weig Volume Pricing data Exp.date	arty nt ht	Procurement	Shipping 80,000 G 0.000	Reason for rejection	
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Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code	D 11/15/	(2013) •	Ordering pa Deliver.Plan Total Weig Volume Pricing data Exp.date	arty nt ht	Procurement	Shipping 80,000 G 0.000	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code Payment terms	D 11/15/	(2013) •	Ordering pa Deliver.Plan Total Weig Volume Pricing data Exp.date	arty nt ht	Procurement	Shipping 80,000 G 0.000	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code Payment terms Order reason All items	D 11/15/	2013 • • • •	Ordering p Deliver.Plar Total Weig Volume Pricing dat Exp.date	arty nt ht e	Procurement	Shipping 80,000 G 0.000	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code Payment terms Order reason All items Item Material	D 11/15/	(2013) •	Ordering p: Deliver.Plar Total Weig Volume Pricing dat Exp.date	arty ht ht e	Procurement Procurement In/12/2013 FOB Origin Si PoB Origin Si PoB Description	80,000 G 0.000 D hipping Dock	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code Payment terms Order reason All items	D 11/15/	2013 • • • •	Ordering p: Deliver.Plar Total Weig Volume Pricing dat Exp.date Incoterms	arty I ht e Un S EA G	Procurement	80,000 G 0.000 D hipping Dock	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code Payment terms Order reason All items Item Material 10 LABELAS	D 11/15/	2013 • • • •	Ordering p: Deliver.Plar Total Weig Volume Pricing dat Exp.date	un S EA EA	Procurement II/12/2013 FOB Origin Si	80,000 G 0.000 D hipping Dock	Reason for rejection	
Req. deliv.date Complete div. Delivery block Billing block Payment card Card Verif.Code Payment terms Order reason All items Item Material 10 LABELAS	D 11/15/	r2013 mmediately w/ Order Quant	Ordering p: Deliver.Plar Total Weig Volume Pricing dat Exp.date Incoterms	arty rt nt ht e Un S EA EA EA EA EA	Procurement II/12/2013 FOB Origin Si	80,000 G 0.000 D hipping Dock	Reason for rejection	

Crees:

7.6.5 Convert your sales quotation to a sales order (VA01)

7.6.6 Run MPS/MRP to generate purchase requisitions and planned orders (MD40)

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MRP list	Curr.lis	st 🚹 I	Except.g	Irp									
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				terials								Froup	
	ime		Plnt		Material			1 2	2 3	4	5 6	5 7 8	1
	2.43.05		P030		HARDTAGASSY		_	+	+			7	
	2.43.05		P030		LABELASSY03	0	_				_	7	
	2.43.05		P030		BIASRIB030		-		-	4			
	2.43.05		P030		LABELADHESI					4	-		
			P030 P030		LABELCAVITY MAGRIBBON03				+	4			
	2.43.05		P030		TAGBOTHOUSE					4		7	
	2.43.05		P030		TAGPINSPRIN						-	7	
	2.43.05		P030		TAGSECURITY							7	
	2.43.05		P030		TAGTOPHOUSE							7	
Statistics	3												
Materials	-						10						
Materials							10						
Materials	with Ter	minatio	on MRP :	List									
Parameters													
Scope of H	Planning												
Plnt						P030							
Processing						NETCH							
Create Pur		quisiti	lon			2							
SA Schedul						3							
Create MRI						1							
Planning N Scheduling						1							
Scheduling MRP Date						1 11/12/20	112						
INT Date						11/12/20	.13						
Purchase :	requisiti requisiti		leted				4 8 14						
Dependent	-	ents ci	Leaveu										
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	requirem	1				12:43	:05						
Dependent Runtime St	requirem tatistics Planning	Run				12:43							
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Dependent Runtime St Start of I End of Pla	requirem tatistics Planning anning Ru	Run In		Highest	CPU Times	12:43							
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7.6.7 Create a purchase order for required raw materials (ME21N)

Delvery/Invoice Conditions	Texts Address												
	Net		1	366.16 USD]								
Pricing Elements													
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PB00 Gross Price	13.90	USD	5,000EA		255.76 USD				0.00				
PB00 Gross Price	12.00	USD	5,000 EA		110.40 USD				0.00				
Net value incl. disc					366.16 USD				0.00				
SAVS Non-Deductible Tax					0.00 USD				0.00	2			
Net value incl. tax					366.16 USD				0.00				
SKTO Cash Discount	0.000	1			0.00 USD				0.00				
Actual price				3	366.16 USD				0.00	0			
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Show Overview Ho Goods Receipt General Vendor Document Date 11/12 Posting Date 11/12	d Check F ase Order	Post 🚹 He	e OK			Vendor HeaderT	The Be		erial CO.0	M (
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Show Overview Ho Goods Receipt Vendor General Vendor Document Date 11/12 Posting Date 11/12 Individual Sip Line Mat. Short Text formed cavity for labela	d Check F ase Order	Post I He	e OK	Qty in UnE 35,000	E.	Vendor HeaderT SLoc A Raw M A Raw M	The Be	est Project Mat	erial CO.0	M (1) 101 + :: 101 + :: 101 + ::
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Show Overview Ho Goods Receipt Purcha General Vendor Document Date 11/12 Posting Date 11/12 Document Date 11/12 Document Date 11/12 Posting Date 11/12 Document Date 11/12 Posting Date 11/12 Postin	d Check F ase Order	Post He Delivery Not Bill of Lading	e OK	Qty in UnE 35,000 35,000	E. E/	Vendor HeaderT SLoc A Raw M	The Be	est Project Mat	erial CO.0	M (11 101 + 5 101 + 5 101 + 7
Show Overview Ho Goods Receipt Vendor General Vendor Document Date 11/12 Posting Date 11/12 Document Date 11/12 Document Date 11/12 Posting Date 11/12 Document Date 11/12 Posting Date 11/12 Postin	d Check F ase Order	Post I He Delivery Not Bill of Lading	e OK	Qty in UnE 35,000 35,000	E. E/	Vendor HeaderT SLoc A Raw M	The Be	est Project Mat	erial CO.0	M (11 101 + 5 101 + 5 101 + 7
Show Overview Ho Goods Receipt Purcha General Vendor Document Date 11/12 Posting Date 11/12 Individual Sip Line Mat. Short Text 1 formed cavity for labela 2 adhesive film for labela W Material Quantity Qty in Unit of Entry Qty in SKU	d Check F ase Order	Post I He Delivery Not Bill of Lading	e OK	Qty in UnE 35,000 35,000	E. E/	Vendor HeaderT SLoc A Raw M	The Be	est Project Mat	erial CO.0	M (11 101 + 5 101 + 5 101 + 7
Show Overview Ho Goods Receipt Purcha General Vendor Document Date 11/12 Posting Date 11/12 Individual Slip Line Mat. Short Text 1 formed cavity for labela A boot film for labela A boot fil	d Check P ase Order 72013 72014 72015 7	Post I He Delivery Not Bill of Lading Delet Purchase Ord EA	e OK	Qty in UnE 35,000 35,000	E. E/	Vendor HeaderT SLoc A Raw M	The Be	est Project Mat	erial CO.0	M (11 101 + 5 101 + 5 101 + 7
Show Overview Ho Goods Receipt Purcha General Vendor Document Date 11/12 Posting Date 11/12 Individual Slip Line Mat. Short Text 1 formed cavity for labela A boot film for labela A boot fil	d Check P ase Order 72013 72014 72015 7	Post I He Delivery Not Bill of Lading Delet Purchase Ord EA	e OK V	Qty in UnE 35,000 35,000	E. E/	Vendor HeaderT SLoc A Raw M	The Be	est Project Mat	erial CO.0	M (11 101 + 5 101 + 5 101 + 7

Show PO struct	ure Show wo	orklist 🕴 💾	Hold	🐝 Simul	ate Mess	ages [1 Help		
ransaction	Invoice			•			OC Balance	0.00	JSD
Basic data	Payment	Details	Tax Co	intacts	Note		Vendor 000010017	1	
Invoice date	11/12/201	3	Reference	e 🗌			Colorful Polymers Ir	ternational030	
Posting Date	11/12/201	3					201900 SHANGHAI	I	
Amount	550.00		USD		alculate tax		CHINA		
Tax amount			XI (Input	Tax)	-			a	
Text]	1		
Paymt terms	Due immedi	ately							IO 🚮
Baseline Date	11/12/201	3							
Company Code	С030 Тусо	Fire & Secur	ity Boca Rat	on					
Purchase Order/Se	cheduling Agree	ement 🔻	45000002	24				Goods/service items	
							Layout	All information	
Item Amo	unt	Quantity		0 🐶	Purchase	Item	Smart Number		PO Text
1	286.00		11,000	EA 🗌	4500000224	10			top plast
	264.00		11,000		4500000224	20			bottom

7.6.9 Post invoice receipt for your new vendor (MIRO)

			USD (Document currency)						
Position	A	G/L	Act/Mat/Ast/Vndr	Smart Number	Amount		Cu	Purchasing	It
	1 K	300030	Colorful Polymers Inter.			550.00-	USD		1
	2 S	310030	Goods Receipt / Invoic.			286.00	USD	4500000224	10
	3 S	310030	Goods Receipt / Invoic.			264.00	USD	4500000224	21

Enter Incom	ing Invoice: Co	mpany Code C	:030				
Show PO structure	Show worklist 🛛 🖷	្វិ 🛛 Hold 🞇 Simula	te Messa	iges 📘	Help		
Transaction	Invoice	•			COB Balance	0.00 USI)
	ayment Details	Tax Contacts	Note		Vendor 000010017	2	
Invoice date Posting Date Amount Tax amount Text Paymt terms Baseline Date	11/12/2013 11/12/2013 1,655.06 Due immediately 11/12/2013	Reference USD Ca XI (Input Tax)	culate tax		Company Mega Machining Co SEOUL 688-823 SOUTH KOREA	mpany030	
Company Code	C030 Tyco Fire & Secu	rity Boca Raton					
Purchase Order/Sche	eduling Agreement 🔻	450000225	-			Goods/service items	•
	0		Durahara	Thomas 6	Layout	All information	• •
Item Amount	Quantity		Purchase 4500000225		mart Number		PO Text
2	748.44		4500000225				tag secu
	/ 10111		1000000220				cay secu

🔄 Simulat	te Document in	USD (Document currency)						×
Position	A G/L	Act/Mat/Ast/Vndr	Smart Number	Amount	Cu	Purchasing	It	
	1 к зооозо	Mega Machining Comp		1,655.0	6-USD			
_	2 S 310030	Goods Receipt / Invoic.		906.6	2 USD	4500000225	10	1
	3 S 310030	Goods Receipt / Invoic.		748.4	4 USD	4500000225	21	

Enter Incom	ing Invoice:	Company Code	e CO30				
Show PO structure	Show worklist	📲 🛛 Hold 🔛 Sim	nulate Messa	iges 📘	Help		
Transaction	Invoice	•			COB Balance	0.00 USI)
Basic data P	Payment Details	Tax Contacts	s Note		Vendor 0000100173		
Invoice date	11/12/2013	Reference			Company Rare Earth Alloys, LLC	.030	
Posting Date	11/12/2013				10319 BERLIN		
Amount	366.16		Calculate tax		GERMANY		
Tax amount		XI (Input Tax)	-			a	
Text					T		
Paymt terms	Due immediately						II OI
Baseline Date	11/12/2013						
Company Code	C030 Tyco Fire & S	ecurity Boca Raton					
Purchase Order/Sche	eduling Agreement	450000226				Goods/service items	•
					Layout	All information	•
Item Amount	t Quant	ty 0 🗔	Purchase	Item	Smart Number		PO Text
1	255.76	92,000 EA	4500000226	10			magneto 📤
2	110.40	46,000 EA	4500000226	20			bias mat 🞽

🔄 Simula	te Document in	USD (Document currency)						
Position	A G/L	Act/Mat/Ast/Vndr	Smart Number	Amount		Cu	Purchasing	It
	1 K 300030	Rare Earth Alloys, LLC			366.16-L	JSD		-
	2 S 310030	Goods Receipt / Invoic.			255.76 L	JSD	4500000226	11 -
	3 S 310030	Goods Receipt / Invoic.			110.40 L	JSD	4500000226	21

Show PO struct	ure Show worklist	📲 Hold 🚟 Simulate Mess	ages	нер		
ansaction	Invoice	-		COO Balance	0.00 t	JSD
Basic data	Payment Details	Tax Contacts Note		Vendor 0000100174		
				The Best Project Mater	ial CO.030	2
nvoice date	11/12/2013	Reference				
osting Date	11/12/2013			262100 SHANGDONG		
Amount	372.89	USD Calculate tax		CHINA		
Fax amount		XI (Input Tax) 🔹		8	8	
Text]		_	
Paymt terms	Due immediately					
Baseline Date	11/12/2013					
Company Code	C030 Tyco Fire & Se	curity Boca Raton				
urchase Order/S	theduling Agreement 🔻	450000227		Go	ods/service items	
				Layout	All information	
Item Amo	unt Quantity	O 😺 Purchase	Item	Smart Number		PO Tex
L L	204.89	35,000 EA 📃 4500000227	10			formed
2	168.00	35,000 EA 450000227	20			adhesive

☞ Simulate Document in USD (Document currency)

도 Simulate Document in USD (Document currency) 3							
Position	A G/L	Act/Mat/Ast/Vndr	Smart Number	Amount	Cu.	. Purchasing	It
	1 K 300030	The Best Project Mate.		3	72.89-USD		-
	2 S 310030	Goods Receipt / Invoic.		2	04.89 USD	4500000227	10 -
	3 S 310030	Goods Receipt / Invoic.		1	68.00 USD	4500000227	21

7.6.10 Post payment to your new vendor (F-53)

Post Outgoing Payments Process open ite	ms
$\stackrel{\scriptstyle <}{\sim}$ Distribute diff. Charge off diff. $\mathscr O$ Editing options	Ø Cash Disc. Due
Standard Partial Pmt Res.items Withhldg tax	
Account items 100171 Colorful Polymers International030	
Document D Document P Bu Da USD Gross	Cash discnt Cash
5100000014 RE 11/12/2013 31 0 550.00-	
	^
	4 F
토토 Aマ 없는 Am 👪 Gross< 👪 Cur	rency 🕅 Items 👔 Items 🕅 Disc. 👔 Disc.
Editing status	
Number of items 1	Amount entered 550.00-
Display from item 1	Assigned 550.00-
Reason code	Difference postings
Display in clearing currency	Not assigned 0.00

Post Outgoing Payments Process open items								
🚨 📝 Distrib	ute diff. Ch	arge off d	iff. 🥖 E	diting options	Ø Cash Disc. Due			
Standard	Partial Pmt	Res.it	ems / \	Withhldg tax				
Account item	is 100172 Meg	a Machini	ng Compa	ny030				
Document D.	Document	P Bu	Da	USD Gross	Cash discnt	Cash	6]]
510000015 RE	11/12/2013	31	0	1,655.06-				
								_
								•
Image: A marked black in the second							4 F	
	<u>av</u> (1)	🔒 Am	. 👪 G	ross< 👪 Cur	rency 🕌 Items	🚺 Iter	ms 🏌 Disc. 🍸 Disc.	
Editing status								
Number of iter	ms 1				Amount entere	d	1,655.06-	
Display from ite	em 1				Assigned		1,655.06-	
Reason code					Difference post	ings		
Display in clear	ing currency				Not assigned		0.00	

Post Outgoing Payments Process open items	
😤 😰 Distribute diff. Charge off diff. 🥜 Editing options 🛛 💋 Cash Disc. Due	
Standard Partial Pmt Res.items Withhldg tax	
Account items 100173 Rare Earth Alloys, LLC.030	
Document D Document P Bu Da USD Gross Cash discnt Cash	
5100000016 RE 11/12/2013 31 0 366.16-	
	A
RE 副副 Aマ 開始 Am 諸 Gross< 諸 Currency げ Items) が	Items H Disc. Disc.
Editing status	
Number of items 1 Amount entered	366.16-
Display from item 1 Assigned	366.16-
Reason code Difference postings	
Display in clearing currency Not assigned	0.00

Post Outgoing Payments Process open items							
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	Ø Cash Disc. Due						
Standard Partial Pmt Res.items Withhldg tax							
Assount items 100174 The Best Designt Material CO 020							
Account items 100174 The Best Project Material CO.030 Document D., Document P., Bu Da USD Gross	Cash discnt Cash						
5100000017 RE 11/12/2013 31 0 372.89							
5166666617 KE 11712/2013 51 6 572.85	L						
	∢ ►						
▲ ■ ■ ● ■ ● ● ● ● ▲ Gross<… 話 Cu	irrency 🕅 Items 👔 Items 🔭 Disc. 🧃 Disc.						
Editing status							
Number of items 1	Amount entered 372.89-						
Display from item 1	Assigned 372.89-						
Reason code	Difference postings						
Display in clearing currency	Not assigned 0.00						

7.6.11 Convert planned orders to production order (MD04)

Production	n order Create: l	Header			
/v 🗗 🖩 🗲	알 ^늘 Material 알 ^늘 Capac	ity 🖧 🚇 💈 🗗	i 🖻 🏮 🔗 🛙 🚮		
rder aterial tatus	\$0000000001	Ultra Strip III Individu	al Label	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	P01 030
General	Assignment Goods R	Receipt Control	Dates/Qties M	aster Data Long 1	Text
Quantities					
Total Qty	30,000	EA Scrap portion		0.00 %	
Delivered	0	ExpectYieldVar	0		
Dates					j
	BasicDates	Scheduled	Confirmd		
Finish	02/21/2014 00:00	02/19/2014 13:	55		
Start	11/12/2013 00:00	11/13/2013 08:	00	00:00	
		11/12/2013	11/12/2013		
Release					

Productio	on order Create: H	leader		
/v 🗗 🖩 🤇	🍹 🖀 Material 🛛 🖀 Capaci	ty 🖁 🕒 i 🖓 🖬 🗍 🖗 🚹		
Order Material Status	80000000001	SuperTag III	Type PP01 Pint P030	
General	Assignment Goods Re	eceipt Control Dates/Qties M	aster Data Long Text	
Quantities				÷.
Total Qty	1,000	EA Scrap portion	0.00 %	Ť
Delivered	0	ExpectYieldVar 0		
Dates				
	BasicDates	Scheduled Confirmd		
Finish	11/20/2013 00:00	11/18/2013 20:00		
Start	11/13/2013 00:00	11/14/2013 14:21	00:00	
Release		11/13/2013 11/12/2013		
Scheduling		Floats		-
		. 10000		

Enter Goo	ds Issue: O	verview				
🗋 🕄 🚇 та	Reservation	To Order				
osting Date	11/12/2013	6				
	<u> </u>					
Items						
Item	Quantity EUn	Material	Plnt	SLoc	Batch	Re MvT S S
	BUn	Material Description			Reserv.No.	Itm FIs
1 30,000	EA	LABELCAVITY030	P030	30		261
		formed cavity for labelast	sy030		2753	1
2 60,000	EA	MAGRIBBON030	P030	30		261
		magnetostrictive materia	l ribbon		2753	2
3 30,000	EA	BIASRIB030	P030	30		261
		bias material ribbon for t	ag and I	label	2753	3
4 30,000	EA	LABELADHESIVE030	P030	30		261
		adhesive film for labelass	v030		2753	4
🗅 🕄 🕭 То		To Order				
🗋 🕄 🕭 То		To Order				
🗋 💽 🚇 To osting Date	Reservation	To Order				
D 🕄 🕭 To osting Date Items	Reservation	To Order	Pint	SLoc	Batch	Re MvT S S
D 🕄 🕭 To osting Date items	Reservation 11/12/2013 Quantity EUn	To Order	Pint	SLoc	Batch Reserv.No.	
D 🕄 🕭 To osting Date Items	Reservation 11/12/2013 Quantity EUn	To Order	Pint P030	SLoc 30		Itm FI:
D 🕄 🕭 To osting Date Items Item	Reservation 11/12/2013 Quantity EUn BUn	To Order	P030	30		Itm FI:
D 🕄 🕭 To osting Date Items Item	Reservation 11/12/2013 Quantity EUn BUn	To Order Material Material Description TAGTOPHOUSE030	P030	30	Reserv.No.	Itm FI: 261 -
D C C C C C C C C C C C C C C C C C C C	Reservation 11/12/2013 Quantity EUn BUn EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt	P030 agassy0 P030	30 30 30	Reserv.No.	Itm FI: 261 -
D C C C C C C C C C C C C C C C C C C C	Reservation 11/12/2013 Quantity EUn BUn EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030	P030 agassy0 P030	30 30 30	Reserv.No.	Itm FI: 261 · 1 261 ·
D C C C C C C C C C C C C C C C C C C C	Reservation 11/12/2013 Quantity EUn BUn EA EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030 bottom plastic part for h	P030 agassy0 P030 ardtaga P030	30 30 30 ssy0 30	Reserv.No.	Itm F1: 261 - 1 261 - 2
D C C C C C C C C C C C C C C C C C C C	Reservation 11/12/2013 Quantity EUn BUn EA EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030 bottom plastic part for h MAGRIBBON030	P030 agassy0 P030 ardtaga P030	30 30 30 ssy0 30	Reserv.No.	Itm F1: 261 - 1 261 - 2 261 - 3 3
Control Contro Control Control Control Control Control Control Control Control Co	Reservation 11/12/2013 Quantity EUn BUn EA EA EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030 bottom plastic part for h: MAGRIBBON030 magnetostrictive materia	P030 agassy0 P030 ardtaga P030 I ribbon P030	30 30 30 5sy0 30 30	Reserv.No.	Itm FIs 261 - 1 261 - 2 261 - 3
Control Contro Control Control Control Control Control Control Control Control Co	Reservation 11/12/2013 Quantity EUn BUn EA EA EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030 bottom plastic part for h MAGRIBBON030 magnetostrictive materia BIASRIB030	P030 agassy0 P030 ardtaga P030 I ribbon P030	30 30 30 5sy0 30 30	Reserv.No. 2751 2751 2751	Itm F12 261 - 261 - 261 - 3 261 - 4
Control Contro Control Control Control Control Control Control Control Control Co	Reservation [11/12/2013 Quantity EUn BUn EA EA EA EA EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030 bottom plastic part for h MAGRIBBON030 magnetostrictive materia BIASRIB030 bias material ribbon for ta	P030 agassy0 P030 ardtaga P030 I ribbon P030 ag and I P030	30 30 30 55y0 30 30 30 30	Reserv.No. 2751 2751 2751	Itm FI: 261 - 1 261 - 2 261 - 3 261 - 4
Conting Date Conting Date Items 1 1,000 2 1,000 3 2,000 4 1,000	Reservation [11/12/2013 Quantity EUn BUn EA EA EA EA EA	To Order Material Material Description TAGTOPHOUSE030 top plastic part for hardt TAGBOTHOUSE030 bottom plastic part for h MAGRIBBON030 magnetostrictive materia BIASRIB030 bias material ribbon for ta TAGPINSPRING030	P030 agassy0 P030 ardtaga P030 I ribbon P030 ag and I P030	30 30 30 55y0 30 30 30 30	Reserv.No. 2751 2751 2751 2751	261 - 1 261 - 2 261 - 3 261 - 4 261 -

7.6.12 Make goods issue to production order (MB1A)

7.6.13 Confirm production completion (CO15)

Confirmatio	n of Production	Order Enter : Actua	al Data	
🙎 Goods Moveme	nts			
Order	1000112	Status: REL PRC CSER G	MPS MACM SETC	
Material Number	LABELASSY030	Ultra Strip III Individual Label	l	
Confirmation Type				
OPartial Confirm.	 Final Confirm. 	○ Aut. Final Conf.	Clear Reservation	
Actual Data				
Actual Data	Current to Confirm	Unit Confirmed to Date	Planned t/b Conf.	Unit
Yield to conf.	30000		Plainieu (75 Com.	UIIIU
Confirmed scrap	L			
Rework		ĺ		
Reason for Var.		,		
Personnel no.				
	To Be Confirmed	_		
Execution start	11/12/2013 17:59:0			
Finish Execut.	11/12/2013 18:59:0	9		
Posting date	11/12/2013			
Confirm. text			Long Text Exists	
L				
Confirmatio	on of Production	Order Enter : Actua	al Data	
🙎 Goods Moverne	nts			
Order	1000113	Status: REL PRC GMPS M	IACM SETC	
Material Number	HARDTAGASSY030	SuperTag III		
Confirmation Type				
O Partial Confirm.	 Final Confirm. 	○ Aut. Final Conf.	Clear Reservation	
Actual Data				
	Current to Confirm	Unit Confirmed to Date	Planned t/b Conf.	Unit
Yield to conf.	1000			
Confirmed scrap		7		
Rework				
Reason for Var.				

Personnel no.

Finish Execut. Posting date

Confirm. text

To Be Confirmed

11/12/2013

11/12/2013 19:00:20

Long Text Exists

Execution start 11/12/2013 18:00:20

7.6.14 Make goods receipt of finished goods from production order (MB31)

Goods Receipt for Order: Overview 0001 / 0001							
🕄 🚇 🛛 To Order							
Posting Date 11/12	/2013						
Items							
Item Quantity	EUn Material	Pint SLoc Order	с				
	BUn Material Description	Batch	Re MvT S S				
1 30,000	EA LABELASSY030	P030 10 1000112	\checkmark				
	Ultra Strip III Individu	ual Label	101 +				

Goods Receipt for Order: Overview 0001 / 0001								
🕄 🚇 🛛 To Order								
Posting Date	2/2013							
Items								
Item Quantity	EUn	Material	Plnt	SLoc	Order	с		
	BUn	Material Description			Batch	Re MvT S S		
1 1,000	EA	HARDTAGASSY030	P030	10	1000113	\checkmark		
		SuperTag III				101 +		

7.6.15 Make production order costs settlement (CO02/KO88)

0	Orders: Actual/Plan/Variance								
1:8	🖓 🏪 💷 🗉 I 😨 I 🔍 🛅 I 📥 🛜 I 🕅 a	olumn I4 4 🕨 🕅	~ 삼 왕 형 형						
r - 1						-			
L -	Orders: Actual/Plan/Variance	Date: 11/12/2013 17	1:11:06	Page:	2 / 2	-			
	Order/Group 1000112 000001000112 Fiscal year 2013 Period 1 - 11								
	Cost Elements	Actual	Plan	Var.(Abs.)	Var.(%)				
		558,42	175.62	382.80	217.97				
	720030 Raw Mat. Consp/Exp 800030 Labor	19,501.82	3,481.00	16,020.82	460.24				
1	* Costs	20,060.24	3,656.62	16,403.62	448.60				
	731030 Prod Ord Settle Exp	19,460.24-		19,460.24-					
1	* Settled Costs	19,460.24-		19,460.24-					
	731030 Prod Ord Settle Exp	600.00-		600.00-					
1	* Deliveries to Stock	600.00-		600.00-					
1	** Balance		3,656.62	3,656.62-	100.00-				

OI	Orders: Actual/Plan/Variance												
	🕼 🏪 🔲 🔢 🛛 🗤 🕄 🐂 🔛 🖓 🖓	olumn II I 🕨 🕨	다 왕 않 한 한										
8 3	Orders: Actual/Plan/Variance	Date: 11/12/2013 1	7:13:25	Page:	2 / 2	1							
	Order/Group 1000113 Or Fiscal year 2013 Period 1 - 11	00001000113											
	Cost Elements	Actual	Plan	Var.(Abs.)	Var.(%)								
	720030 Raw Mat. Consp/Exp 800030 Labor	208.42 885.20	208.42 885.20										
1	* Costs	1,093.62	1,093.62										
	731030 Prod Ord Settle Exp	883.62-		883.62-									
1	* Settled Costs	883.62-		883.62-									
	731030 Prod Ord Settle Exp	210.00-	210.00-										
1	* Deliveries to Stock	210.00-	210.00-										
1	** Balance		883.62	883.62-	100.00-								

7.6.16 Create delivery notes (VL01N)

💯 🖻 🗍 🔂 🤽 🚇 🎡 🥻 🏟 🕅 Post Goods Issue										
Dutbound deliv. Document Date 11/12/2013 Ship-to party 141 Earls Home Building Supplies / / Charlotte NC 28203										
Item	Overview Picking	Loading	Transport Sta	atus Overview Go	ods Movement Data					
rk Date	Time 11/15/201	13 00:	0 OvrlPickS	Status A No	t vet nicked					
arehou	se No.	13 00:	0 OvrllPickS OverallWI		t yet picked WM trnsf ord reqd					
ck Date arehou All Iten Itm	se No.					B., P V Stag. Dat	e Matl.			
arehou: All Iten	is		OverallWI	MStatus No	WM trnsf ord reqd	B P V Stag. Dat				

Outbound Delivery Create: Overview												
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Ship-to party	Outbound deliv. Document Date 11/12/2013 Ship-to party 142 Image: Hyper Mart Corporation 030 / 300 Tanger Blvd / Branson MO 65616											
Pick Date/1	Item Overview Picking Loading Transport Status Overview Goods Movement Data Pick Date/Time 11/16/2013 00:0 OvrlPickStatus A Not yet picked Warehouse No. OveralWMStatus No WM trnsf ord reqd											
All Items												
Itm	Material	Pint	SLoc	Deliv. Qty	Un	Picked Qty	Un	Batch	В.,	PV	Stag. Date	Matl. 🛄
10	LABELASSY030	P030	10	20,000	EA		EA			A	11/16/2013	00:0 🗆
20	HARDTAGASSY030	P030	10	5,000	EA		EA			A	11/16/2013	00:0
		٥										

				3		•		-			
🔊 🖌 🖉	Outbound Delivery 80000124 Change: Overview										
°∕∕ € ٿ	💖 🖻 🖥 🔂 🖉 🚇 🎯 🐯 🌧 🕅 Post Goods Issue										
	Outbound deliv. 80000124 Document Date 11/12/2013 Ship-to party 141 Earls Home Building Supplies / / Charlotte NC 28203										
Item C	Verview Picking	Loadir	ng	Transport Status	Ove	erview Goods Mo	overr	nent Data			
Pick Date/1 Warehouse All Items	e No.	3 00	D:O	OvrllPickStat OverallWMSt		A Not yet					
Itm	Material	Plnt	SLoc	Deliv. Qty	Un	Picked Qty	Un	Batch	B P	V Stag. Date	Matl. 🛄
10	LABELASSY030	P030	10	10,000	EA	10000	EA		A	11/15/2013	00:0
20	HARDTAGASSY030	3 0	10	5,000	EA	5000	EA		A	11/15/2013	00:0
	-										
									_		
👦 🖌 C	Outbound Delive	ery 8	000	0125 Change:	Ov	erview					

7.6.17 Pick and make goods issue (VL02N)

Outbound Delivery 80000125 Change: Overview															
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Outbound delv. 80000125 Document Date 11/12/2013 Ship-to party 142 Image: Transport Status Overview Goods Movement Data Item Overview Picking Loading Transport Status Overview Goods Movement Data Pick Date/Time 11/16/2013 00:0 OvrlIPickStatus A Not yet picked															
			3 0	0:0	011111010000										
w	arehouse	a No.	3 0	0:0	OvrllPickStat OverallWMSt										
w	arehouse All Items	e No.			OverallWMSt	tatus	No WM 1	rnsf	ord reqd	В	PV	Star	Date	Matl	FTT
w	arehouse	a No.		SLoc	OverallWMSt Deliv. Qty	Un		rnsf				-	. Date	Mati	

7.6.18 Bill your new customer (VF01)

Invoice (F2) Create: Overview of Billing Items 🛗 Billing documents 🛛 🌀 3,650.00 USD ▼ \$000000001 Invoice Net Value 141 Payer Earls Home Building Supplies / / US - 28203 Charlotte Billing Date 11/12/2013 2 Item Description Billed Quantity SU Net value Material Cost 10 Ultra Strip III Individual Label 10,000<u>EA</u> 500.00 LABELASSY030 200.00 * Ŧ 20 SuperTag III 5,000 EA 3,150.00 HARDTAGASSY030 1,050.00

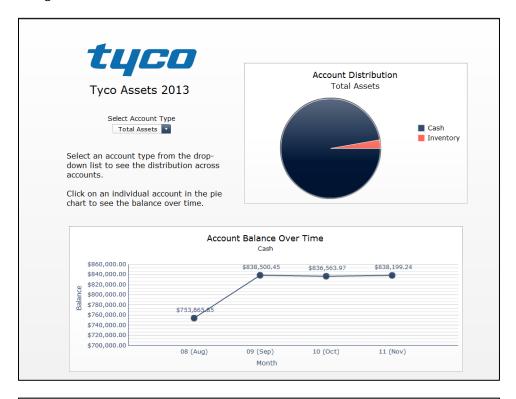
Invoice (F2) Create: Overview of Billing Items Billing documents 🛛 🌀 Invoice ▼\$000000001 Net Value 3,572.00 USD 142 Hyper Mart Corporation 030 / 300 Tanger Blvd / US - ... Payer Billing Date 11/12/2013 2 Item Description Billed Quantity SU Net value Material Cost 10 Ultra Strip III Individual Label 20,000<u>EA</u> 950.00 LABELASSY030 400.00 ٠ Ŧ 20 SuperTag III 5,000 EA 2,622.00 HARDTAGASSY030 1,050.00

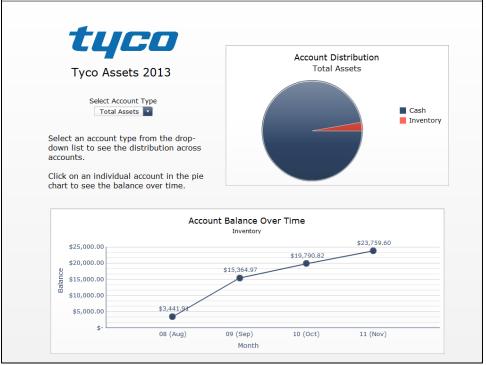
7.6.19 Post payment (F-28)

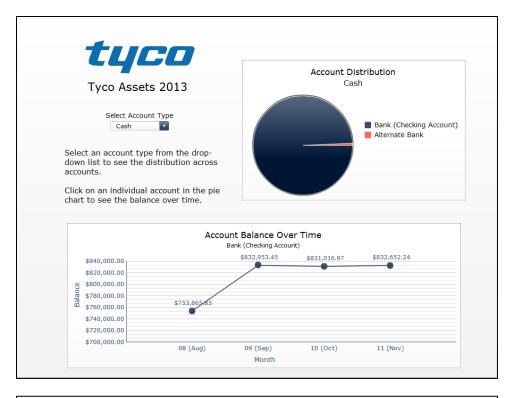
Post Incoming Paymen	nts Process open ite	ems	
🚨 📝 Distribute diff. Charge o	ff diff. 🥖 Editing options	💋 Cash Disc. Due	Create Dispute Case
Standard Partial Pmt Re	s.items Withhldg tax		
Account items 141 Earls Home Bu	ilding Supplies		
Document D Document P Bu	u Da USD Gross	Cash discnt C	ash
90000007 RV 11/12/2013 01	0 3,650.00		
	m	rency 🏋 Items	🖞 Items 🏋 Disc. 🎽 Disc.
Editing status		Amountants	0.000.00
Number of items 1		Amount entered	3,650.00
Display from item 1 Reason code		Assigned	3,650.00
Reason code		Difference postin	ys
Display in clearing currency		Not assigned	0.00
Display in cleaning currency		Noc assigned	0.00
Post Incoming Paymer	nts Process open ite	ems	
Post Incoming Paymen	-	e ms Ø Cash Disc. Due	Create Dispute Case
2 Distribute diff. Charge o	-		Create Dispute Case
Distribute diff. Charge o Standard Partial Pmt Re	ff diff. P Editing options		Create Dispute Case
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co	ff diff. <i>P</i> Editing options es.items Withhldg tax	Ø Cash Disc. Due	
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Br	ff diff. C Editing options es.items Withhldg tax prporation 030 u Da USD Gross	Ø Cash Disc. Due	Create Dispute Case
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co	ff diff. <i>P</i> Editing options es.items Withhldg tax	Ø Cash Disc. Due	
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Br	ff diff. C Editing options es.items Withhldg tax prporation 030 u Da USD Gross	Ø Cash Disc. Due	
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Br	ff diff. C Editing options es.items Withhldg tax prporation 030 u Da USD Gross	Ø Cash Disc. Due	
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Br	ff diff. P Editing options es.items Withhldg tax prporation 030 u Da USD Gross	Ø Cash Disc. Due	
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Br	ff diff. P Editing options es.items Withhldg tax prporation 030 u Da USD Gross	Ø Cash Disc. Due	
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Distribute diff. Charge of Standard Partial Pmt Reserved and Partia	ff diff. Celiting options es.items Withhldg tax proporation 030 u Da USD Gross 0 3,572.00	Cash discnt Cash discnt	iash iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Bi 90000008 RV 11/12/2013 01	ff diff. Celiting options es.items Withhldg tax proporation 030 u Da USD Gross 0 3,572.00	Cash discnt Cash	ăsh ☐ Items ☐ Disc. ☐ Disc. 3,572.00 3,572.00
Distribute diff. Charge o Standard Partial Pmt Re Account items 142 Hyper Mart Co Document D Document P Bi 90000008 RV 11/12/2013 01 O Editing status Number of items 1 Display from item 1	ff diff. Celiting options es.items Withhldg tax proporation 030 u Da USD Gross 0 3,572.00	Cash discnt Cash discnt	ăsh ă Items ★ Disc. Ď Disc. 3,572.00 3,572.00

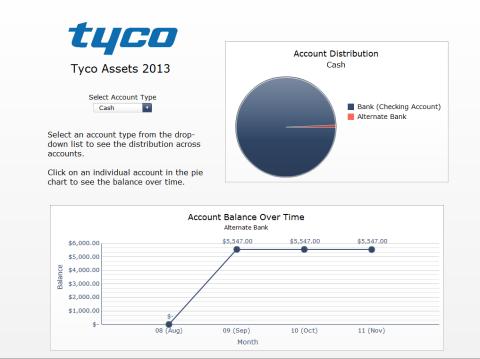
7.6.20 Use Crystal Dashboard to show your cash, inventory of your assets

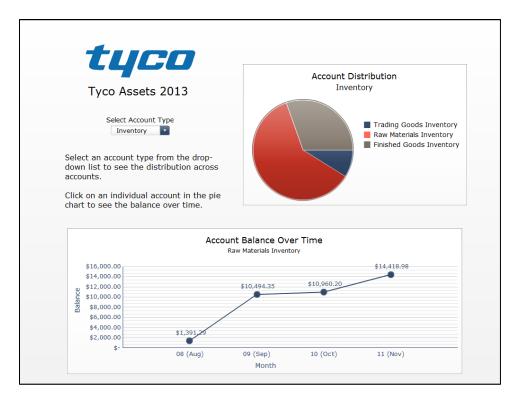
The following screenshots show the different views available through the two Dashboard designs.

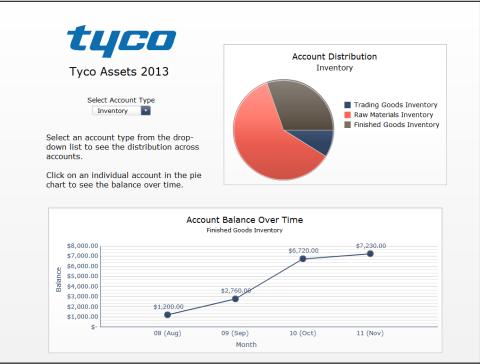


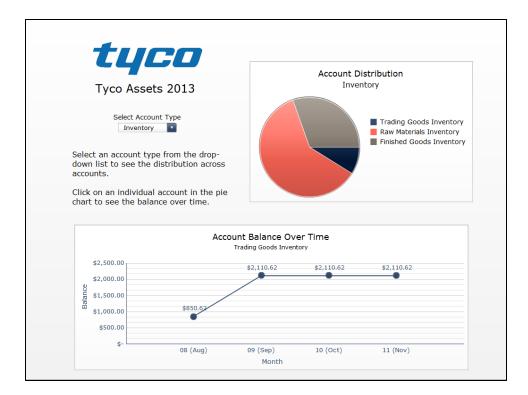


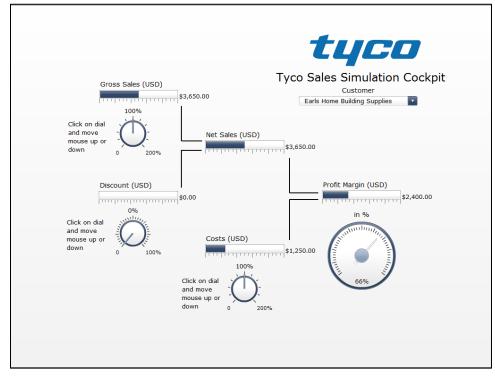


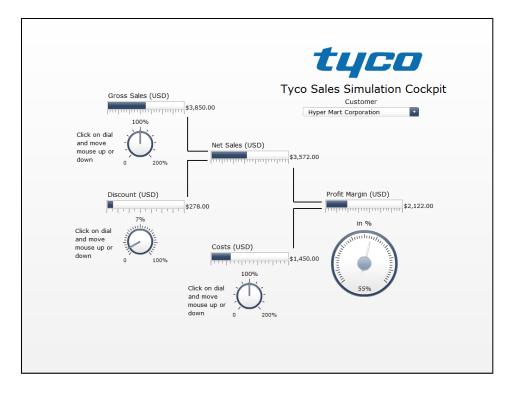












Appendix: List of T-Codes

The following transaction codes were used in the SAP implementation and operation.

T-Code	Description	Module
CA01	Create routing	PP
CO02	Change production order	PP
CO15	Enter production order confirmation	PP
CR02	Change work center	PP
CR12	Change capacity	PP
CS01	Create material BOM	MM
F-28	Post incoming payments	FI
F-53	Post outgoing payments	FI
FD32	Change customer credit management	FI
KO88	Actual settlement: order	СО
KP26	Change plan data for activity types	СО
MB1A	Goods withdrawal	MM
MB31	Goods receipt for production order	MM
MC75	Transfer PG to demand management	PP
MC82	Sales and operations planning	PP
MC86	Change product groups	PP
MD04	Display stock/requirements situation	PP
MD40	MPS	PP
ME01	Maintain source list	MM
ME11	Create purchasing info record	MM
ME21N	Create purchase order	MM
MIGO	Goods movement	MM
MIRO	Enter incoming invoice	MM
MM01	Create material	MM
MMF1	Create finished product	MM
MMR1	Create raw material	MM
SPRO	Customizing - edit project	
VA01	Create sales order	SD
VA21	Create quotation	SD
VF01	Create billing document	SD
VK31	Condition maintenance	SD
VL01N	Create outbound delivery	PP
VL02N	Change outbound delivery	PP
XD01	Create customer centrally	FI
XK01	Create vendor centrally	FI