



Advanced Inventory Replenishment



The Need

One of the critical measures of success for any distribution company is the ability to effectively balance inventory investment and customer service levels. In a typical business with thousands of items, managing this process can be a complex and ultimately unrewarding challenge.

The Solution

m-hance's inventory replenishment module harnesses all of the transactional information in your system and applies it to a set of rules and formulae based upon best industry practice to generate realistic and informed demand forecasts. This information is then carried forward into enhanced purchasing functionality that enables the user to optimize order value and volumes based on target order values and volumes, preferred buying frequency, price breaks and vendor promotions. The solution has been developed for Microsoft Dynamics GP and integrates seamlessly making it simple to learn and implement.

lcs91 Demand Review

File Edit Tools Help sa Fabrikam, Inc.

Site Filter: All Specific: NEWCASTLE NEWCASTLE

Creditor Filter: All Specific:

Calculation Method Filter: All Specific: 0

Buyer Filter: All Specific:

Category filter: All Specific: Category1

Item Rank Filter: Rank A only Only show Items with a minimum forecast variance of 10% Only show un-reviewed Items

AFE Tier: 1 Display Unit: Base Purchasing

| Item Number | Item Description | Current EPD | Forecast EPD | AFE | Forecast Var. | -6 | -5 | -4 | -3 | -2 | -1 | Calculation Method | Creditor |
|-------------|---|-------------|--------------|--------|---------------|--------|--------|--------|--------|--------|-------|--------------------|----------|
| 10000019 | CLEAR STD CC 400MM X 300M 17MU HAN... | 328 | 123 | 39.17% | -62.50% | 366 | 720 | 109 | 560 | 210 | 0 | WSTD5 | PURP01 |
| 10000159 | 7101 72MM X 50M 3M HIGH TEMPERATUR... | 260 | 208 | 20.21% | -20.00% | 300 | 348 | 288 | 228 | 324 | 72 | 3PRD RA | MMMM01 |
| 10000617 | SW7 BLUFF 305MM X 229MM X 305MM SIN... | 3,000 | 2,000 | 32.61% | -33.33% | 4,450 | 1,951 | 4,100 | 3,000 | 3,475 | 0.000 | WSTD3 | PURP01 |
| 10001106 | 750MM X 220M BLUFF 90GSM PURE KRAFT ... | 6 | 5 | 37.91% | -16.67% | 5 | 5 | 9 | 4 | 10 | 2 | 3PRD RA | PURP01 |
| 10001112 | BLUFF 900MM X 75M CORRUGATED CARDB... | 32 | 28 | 24.72% | -12.50% | 31 | 36 | 42 | 46 | 27 | 7 | WSTD3 | PURP01 |
| 10001198 | 1200MM X 800MM CORRUGATED CARDBO... | 7,000 | 5,000 | 23.31% | -28.57% | 8,000 | 8,800 | 9,600 | 6,583 | 7,900 | 2,800 | 6PRD RA+TREND | PURP01 |
| 10002434 | 2421 25MM X 50M DOUBLE SIDED TISSUE ... | 472 | 308 | 23.76% | -34.75% | 547 | 536 | 507 | 453 | 645 | 144 | WSTD5 | STER01 |
| 10004615 | WHITE 280MM X 2050MM CORRUGATED S... | 3,000 | 0,000 | 37.44% | -100.00% | 6,000 | 6,000 | 4,412 | 0,000 | 0,000 | 0,000 | WSTD5 | PURP01 |
| 10020953 | WHITE 101.6MM X 152.4MM THERMAL SEL... | 23,000 | 20,000 | 28.93% | -13.04% | 17,000 | 42,500 | 19,000 | 24,000 | 32,000 | 3,500 | 3PRD RA | FINE13 |
| 10027804 | 3.9 X 16 REINFORCEMENT RETENTION SC... | 23,000 | 20,000 | 34.16% | -13.04% | 19,000 | 33,000 | 23,000 | 30,000 | 31,000 | 0,000 | 3PRD RA | IFIL01 |

Mark All Unmark All Update Redisplay

Key Features:

- Detailed demand tracking

The functionality here mirrors that of Sales Transaction Entry so that known additional charges from a vendor may be automatically logged at time of receipt.

- Automated demand forecast

Statistical tools analyze demand history against a wide range of demand prediction formulas. The system will identify the most reliable predictor formula for each item.

- ABCD analysis

This wizard driven tool categorizes your inventory into fast, frequent and sporadic movers.

- Additional item parameters

This new series of time based parameters is used by the system in purchase ordering calculation, e.g. minimum week's stock and vendor order frequency.

- Intelligent order selection

Multiple enhancements to the Microsoft Dynamics GP Purchase Order Generator enable the buyer to optimize orders, e.g. user vendor price lists*, user alerts for quantity break opportunities and imminent price changes*. New order balancing feature to meet order volume requirements. With line point order suggestion, the system can identify lines that are likely to fall below re-order point before another order is due to be placed.

* This feature forms part of m-hance's Vendor Price Management solution which is a pre-requisite for the AIR solution.

- Key performance indicators

Records stock-outs enable analysis of failures to reach service levels. Capture inventory level information at time of receipt for comparison to safety stock. This provides a further check on the reliability of the parameters being used for the item.

- Industry proven tools

By using industry-standard replenishment calculations and applying proven methodologies, you can be confident that your stock levels are being replenished in a timely, accurate and reliable fashion.

What It Means For You

- Reduced stock levels

Advanced Inventory Replenishment (AIR) ensures that you can reduce your stock levels without any impact in your customer service levels. Furthermore, the use of ABCD analysis enables you to identify those items that need closest attention and those that perhaps should not be stocked at all.

- Improved customer service

With AIR, you can be assured that you will always have enough stock to fulfil your customer requirements, ensuring high levels of customer retention in this increasingly competitive industry.

- Reduced administration costs

By automating your inventory replenishment model, including automatic purchase order generation, you can drastically reduce the time spent on re-order calculations.



m-hance provides m-hancements (formerly known as Trinity Myridas) to maximize the value customers realize from their Microsoft Dynamics GP investment. m-hance provides business software solutions which enable Microsoft Dynamics users to save time, cut costs and increase efficiency. m-hance is one of the largest Microsoft Dynamics partners in the world and is recognized as a successful and accredited solutions developer. m-hance provides Microsoft partners across 20 different countries with integrated software modules. These solutions extend the functionality of their clients' core Dynamics GP application with m-hancements covering Distribution, Telesales, Inventory, Procurement, Bank Management, and Document Management.

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