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

The 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.

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 the 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.

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dynavistics

Dynavistics transforms your "I wish we could" into "I know we can" with innovative solutions to provide relief from common business software frustrations—helping you to run your business more effectively and get paid faster. Our applications are used by businesses across a wide variety of industries to extend the useful lifetime of their software investment while improving staff productivity and filling the gaps in collections, delivery, trade promotion and distribution software processes.

Dynavistics makes it easy to integrate with Microsoft Dynamics GP, Microsoft Dynamics AX, and Microsoft Dynamics NAV, as well as other leading ERP systems. Whether your frustrations result from software shortcomings in purchasing, inventory management, or accounts receivable—we offer solutions that complete the processes and bridge the gaps.

TRINITY

Trinity from Dynavistics, Inc. is a collection of advanced distribution features that work hand in hand with Microsoft Dynamics® GP to enhance every aspect of your supply chain process. Simply put, Trinity turns the basic Dynamics GP inventory modules into a full-featured distribution powerhouse.

Running a successful distribution business requires more than just inventory management. That's why Trinity was designed to improve every aspect of your distribution operation from Sales, Pricing, and Customer Service to Purchasing & Replenishment, Inventory Control, and Delivery Logistics. Adding Trinity to Dynamics GP makes your business *more effective, efficient, competitive and profitable*.

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