

The Barcode Gateway

For Microsoft Dynamics SL

March 2009

The Barcode Gateway for Dynamics SL™ 6.x & 7.x

Gulfstream's Barcode Gateway provides the interface between the warehouse floor and the software on the workstation. It has been developed for Dynamics SL's using VBTools so it has the look and feel of Dynamics SL on the desktop. The Gateway was designed to provide the efficient and reliable flow of information from the business environment into Dynamics SL's modules. Tasks are completed more efficiently using 'real time' wireless technology.

RFID in the Barcode Gateway

Gulfstream now has RFID imbedded in the Barcode Gateway. We can associate the RFID tag number to a specific item or serial number on receipt from PO. We can move the product (IN) from Bin to Bin or Site to Site using the 1 or 2 step transfer function. We then can confirm packing or shipment through the SO Shipper. Technically, we have had to add a custom table to store the RFID tag number, as there is not enough room in Dynamics SL's ItemSite or LotSerMst User fields.

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BARCODE GATEWAY INTEGRATION TO DYNAMICS SL'S MODULES

Distribution – Purchasing, Inventory, Order Mgmt.

Manufacturing - Work Order/BOM Completion

Service – Service Dispatch

JAAS Systems/JAMS Manufacturing Interface

Sandler Kahne's/ Project Work Order & Shop Floor Control

Vicinity Manufacturing Integration coming soon!

Inventory Functions

The Barcode Gateway integrates with DSL's Inventory Module:

- ✓ Inventory Adjustment and Inventory Count
- ✓ Inventory Lookup, Issues & Returns
- ✓ Inventory Receipt and Transfers
- ✓ Kitting, Pallet Builder, Locate Serial Numbers

Purchasing Functions

The Barcode Gateway integrates with DSL's Purchasing Module:

- ✓ Enter a purchase order into DSL's Purchasing module 'on the fly' from the Barcode Gateway.
- ✓ Receive a shipment against the purchase order entered in DSL's Purchase Order module.

Order Entry Functions

The Barcode Gateway integrates with DSL's Order Entry Module:

- ✓ Sales Order shipping – Pick an order based on the Shipper that has been generated in DSL's Order Management. Confirm Picking & Receipt.



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Dynamics SL's functionality has been extended by adding the pallet builder feature. This is where a user can scan items complete with serial / lot numbers either onto or off of a user defined numbered pallet or container. These items can then be moved or transferred from bin to bin or site to site as a group. After the move the pallet number can be preserved or destroyed. This falls perfectly in line with the EPC / Walmart Second generation RFID tag structure in that the tag can be at the item, case or pallet level.

What People Are Saying About Us

....."Using the new Gulfstream system we can now receive an EDI order at 3:50 pm for 40 compressors going to 20 different store addresses and have the serial numbers and waybills recorded 100% accurate and the product on the 4:30 pm Fed-Ex truck."

....."Based on past experience we were expecting this implementation to be very difficult. But to the contrary, we actually had the Barcode Gateway system up and running the same day that Grant Ubell from Gulfstream arrived here. We started getting the benefit of dealing with our customer and inventory transactions right on the spot -- and that was a big plus for us."

.....**Scott Davis, CompressorWorks, Inc., Dallas, TX**

"From the time a container is unloaded we use the Barcode Gateway system to put inventory into stock in the warehouse. We also use it for inventory transfers and consolidations within the warehouse, as well as for product returns". "We use it when we ship goods – to make sure we're shipping the right goods. And now, with the new Barcode Gateway system in place, our accuracy is as close to perfect as it can be."

"I can't emphasize more the superb level of support – and the help customizing the product to meet our needs – I've gotten from the folks over at Gulfstream".

"Our customers have benefited from the new system in three ways," explains Harris. "They get what they ordered, they get it quicker, and we can now tell them what we have in stock and now we actually know where that stock is located. We're confident that Gulfstream's Barcode Gateway will fulfill our needs for many years to come and at the same time allow us to grow,".

.....**David Harris, Wagman Primus Group, Philadelphia, PA**

Work Order Functions

The Barcode Gateway integrates with DSL's Work Order Module:

- ✓ Material Issues/Material Transfers>Returns
- ✓ Production Complete allows Work Orders to be completed from the Barcode Gateway

BOM Function

The Barcode Gateway integrates with DSL's Bill Of Materials Module:

- ✓ Allows BOM Completions through the Barcode Gateway

Service Series Functions

The Barcode Gateway integrates with DSL's Services Series Modules by:

- ✓ Service Dispatch - Create Service Dispatch Invoices with inventory and service charges

Remote Order Entry

Gulfstream's add on module, Remote Order Entry, integrates with DSL's Order Management:

- ✓ Take orders at a customer's site & create an order in DSL's Order Management/Sales Orders
- ✓ Sell inventory from a company truck, create an invoice back at head office & provide the customer with a receipt.

Sandler Kahne's Project Work Order & Shop Floor Control/Jaas System's Jams Software

The Barcode Gateway integrates with Sandler Kahnes' PWO & SFC. We are also integrated into JAAS System's JAMS manufacturing software.

A Vicinity Manufacturing interface is coming soon!

Contact your Microsoft Partner or

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Barcode Gateway for Dynamics SL Overview

Inventory module:

- Inventory Lookups - now two ways to view your inventory, on the fly.
- Inventory Transfers are now easy & quick. You can also Receive Transfers in a separate module.
- Inventory Counts - count by tag or by item.
- Inventory Issues & Returns - allows inventory to be 'received' and 'used up', without using the Purchasing or Order Management Module in the function.
- Inventory Receipts - Receive Inventory with out purchase orders.
- Inventory Adjustments - adjust inventory as necessary.
- Inventory Kit Assembly - kits can be made on the warehouse floor.
- Pallet Builder allows groups of items to be moved and transferred.
- Locate Serial Number allows entry of the serial number and we will find the location (bin).
- AdHoc Label generator - especially helpful when labelling the warehouse for the first time.

Purchasing Module:

- PO Receipt - receive inventory into the Dynamics SL's Purchase Order module.
- Purchase Order - produce a purchase order from the handheld on the fly.

Order Management Module:

- Shipper - Sales Orders are picked and readied for invoicing using the function. The handling of the completed Shipper is performed by Dynamics SL, using the rules as set up in OM.

Field Service Modules:

- Field Service Invoices - produce invoices for Inventory & service changes remotely.

RFID Capability:

- RFID - is currently imbedded in the Barcode Gateway.

Work Order Module:

- Material Issue & Material Transfers/Returns - in SL's Work Order Module.
- Production Completion - allows completions of jobs in SL's Work Order in the warehouse.

Bill of Materials Module:

- Bill of Material Completion - complete BOM from the warehouse.

The Barcode Gateway & stand alone modules:

- Remote Order Entry - allows users to input data into SL's database from remote locations.
- Blaster Module - essentially allows the Barcode Gateway, wireless, real time software, to be used as a 'batch' system.