MICROSOFT DYNAMICS
HIGH TECH INDUSTRIES

Fabless Semiconductor and Semiconductor Industry Suite

Rapid innovation and change in the high tech industry require companies to constantly tune and optimize their business, sales and production processes across global supply chains. Microsoft Dynamics® AX for High Tech Industries provides fabless semiconductor companies and semiconductor manufacturers with the visibility they need to control every aspect of their businesses.

Contact Armanino to discuss how we can help you with your Dynamics needs.

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Learn More
amllp.com/microsoft-dynamics

Semiconductor Industry Support

With Dynamics AX High Tech, support for the unique operations of semiconductor companies has been designed natively within the solution. It supports a reverse Bill of Materials (BOM) production environment where yield-based planning and cycle times determine the number of wafer lot starts required. Once a wafer lot is started, it can be split up and recombined at any point in the production process, supporting scrapping, binning and grading, retaining the yield, lot lineage, and costing data throughout the entire operation.

Streamline Your Supply Chain with Electronic Subcontractor Integration

The tracking of inventory and production operations at subcontractors is limited to the quality, frequency and granularity of the information their Subcontractors provide. Manual tracking of this information is time-consuming, un-scalable and prone to human error – leading to information delays and poor reaction times. Dynamics AX High Tech Industries simplifies and automates this transfer of data through the simplicity of a drag and drop data validation and mapping tool called the Supply Chain Interface (SCI), which allows you to rapidly configure integrations by automating those transaction updates.

Oversee the Supply Chain

Insight into the demand signals of your customers, transparency of product and manufacturing data, and visibility outside your internal operations are critical to make fast and accurate decisions. Technology is the facilitator to building a truly collaborative environment by integrating your partners to improve communications and automate the data flow between organizations.

Manage Distributor Relationships

Dynamics AX High Tech manages the relationship between fabless semiconductor and semiconductor manufacturers and their distributors. It facilitates the data flow to address challenges around sales forecasting, opportunity tracking, distributor pricing agreements (DPAs), point of sale (POS) data reconciliation, revenue recognition, distributor credits and allowances, and inventory valuation and management.

Microsoft Partner
Gold Enterprise Resource Planning
Gold Customer Relationship Management

Microsoft Dynamics™

CERTIFIED FOR
Microsoft Dynamics® AX

Experience Low Total Cost of Ownership (TCO) and Achieve a Quick Payback

Because Microsoft Dynamics AX for High Tech Industries is built on proven Microsoft products and technologies, your business can take advantage of existing IT investments such as Microsoft Office System applications and the Microsoft Windows Server System™. Lower total cost of ownership can help your company realize a faster payback on your investment.

Benefits

- Increase visibility and control of the supply chain
- Boost forecast accuracy and timeliness
- Automate data entry with electronic subcontractor integration and tracking of iBOM
- Improve sales and customer relationships
- Meet quality management requirements
- Realize a positive return on investment (ROI)

Features Overview

Feature	Description
Start Lot	• Reverse BOM concept with Start Wafer Lot as part of the production process. Select, reserve and optimally issue the component lot started on a production order. Calculates the expected quantity based on yields or net die per wafer lot.
Cradle to Grave Lot Tracking	• Forward and backward lot trace / tracking
Split Lot	• Split a quantity off of a production order into a new production order, which can have a different routing, lot number and finished good part number. Connection between the original lot and split lot is maintained and included in the Lot Trace inquiry.
Assembly Lots	• Start lot operation that can pull components from various lots simultaneously and track the Forward and backward lot lineage of each unique component lot combination.
Yields	• Yields were added to the routing and incorporate yield calculation through-out the production process, used within Start Lot and Production flow. Yields are used to calculate estimated outs, quantity to start, costing and reporting.
Binning and Grading	• Alternative parts can be received off of a Production Order.
Bucketed Build Plan	• Reflects the timing and quantity of wafer lot starts, moves into assembly, test, finished goods, etc. Shows a time-phased view of finished products based on subcontractor starts, commitments, inventory and forecasts.
Final Customer Tracking	• Track End Customer and Sold To Customer
Available to Promise (ATP) and Capable to Promise (CTP)	• ATP and CTP functionality based on unallocated wafer / die bank and WIP inventory, cycle times, and capacity
On-Time Delivery (OTD) Management	• Enhanced sales order line with order change history, multiple date lines to track customer original and current request dates, vendor original and current commit date, and Dock Dates. Also includes rescheduling with reason codes
SO and PO Schedules	• Sales Order and Purchase Order schedules to split an order line quantity over a series of deliveries
Sales Order Holds	• Sales orders can be placed on hold, i.e., for a credit inquiry
Reporting	• Bookings, billings, and backlogs reporting. Supplier performance cubes. Order fulfillment cubes. Yield analysis cubes.

Representative clients