Trinamix FabConnect

A PaaS-based add-on to Oracle Cloud Manufacturing

Enabling Oracle SCM and Manufacturing Cloud For Semiconductor Industry

FabConnect is a PaaS-based smart manufacturing solution complementing Oracle SCM and Manufacturing Cloud. This platform supports advanced transactions for all Fabless OEMs, streamlining the entire business operations through preconfigured integrations between OEM, Fab, and Assembly Partners. It easily manages Hi-Tech transactions like Split and Merge, allowing flawless Wafer ID tracking and inventory management.

Sometimes it takes months to onboard a new manufacturing partner and an MES system into ERP, causing significant delays in manufacturing scalability. Outsourced or core production when carried out in internal Manufacturing Execution Systems (MES), often lacks detailed and timely visibility of production and material status in ERP, making it difficult to simplify business functions. Its advanced B2B process framework and rule engine for master data management supports and facilitates easy integration with MES, enhancing supply chain visibility and data accuracy.

FabConnect Operation Yield Costing works in tandem with Oracle SCM's WIP Cost Calculation to reduce yield and process loss in manufacturing operations. Manufacturing companies can quickly decrease inaccuracies in month-end inventory and WIP reporting with Hi-Tech Centric Reporting.

Due to a lack of systematic AP Invoice Matching Capability against CM Work Effort, they typically face challenges with inaccurate payments to pay outsourced manufacturers. With FabConnect lot transactions, invoice matching is simple, reducing overall inaccuracy.

The disconnect between order management, planning, and manufacturing systems often impacts OTIF as manufacturing status is not fully captured in the context of order. FabConnect provides end-to-end Supply Chain Plan Orchestration and Work Order Component Allocation, helping planners easily manage and execute the plan recommendations.
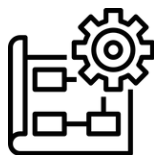
Oracle-Trinamix Value Proportion

Oracle and Trinamix jointly deploy an integrated Supply chain, Manufacturing and B2B infrastructure that enables end-to-end manufacturing and supply chain visibility from component suppliers to end customers in the semiconductor and related industries. Whether manufacturing occurs in internal MES or with outsourced manufacturing partners, we address all challenges faced by OEMs in this space.

Features

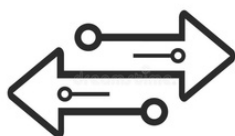**Rule-engine for master data management**

Manual Lot Transaction Workbench

B2B Invoice Matching

Hi-Tech CentrReportingic

Lot Level Costing

Hi-Tech Centric Quality Management

Factory Planning/ Firm Planning Process

Component Lot Allocation Algorithm

B2B Interface for an outsourced manufacturing partner

MES Integration templates and Planning Interface templates

Pre-Built integration with sub cons like ASE, Amkor and more

In-built cost rollup and WIP event costing

Benefits

- Improved end-to-end supply chain visibility
- More accurate month-end close
- Improved product costing accuracy
- Enhanced business Scale

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- Rapid partner onboarding
- Faster speed to market
- Maximized On-time In-Full {OTIF}

Why FabConnect

- Industry-specific solution designed especially for the semiconductor industry
- Leveraged by some of the globally renowned high-tech/ semiconductor companies
- High-tech solution for advanced Semicon transitions for all fabless OMEs
- Single sign-on, seamless to the users, hosted on Oracle PaaS

Success Stories

- A leading North America based leader in MEMS timing solutions sought out the expertise of Trinamix to improve operational efficiency, synchronize, and consolidate contract manufacturing operations.
- A market-leading designer and manufacturer of innovative optical and photonic products enabling optical networking and laser applications worldwide collaborated with Trinamix to address complex multi-tier outsourced manufacturing planning challenges.
- A US-based multinational technology conglomerate corporation collaborated with Trinamix for complete end-to-end visibility of manufacturing and inventory, error-free service invoice payments to partners, and improve manufacturing and material management accuracy.
- An American company best known for manufacturing test and measurement devices partnered with Trinamix for overcoming all manufacturing planning challenges through automated operator time tracking, demand management and more.

About Trinamix

Trinamix is a global solution provider specializing in Oracle Applications with a focus on Oracle Supply Chain Management, Oracle ERP, Oracle EPM, and Industry 4.0 (Internet of Things, Blockchain, and AI/ML). Trinamix offerings include implementation and managed services, strategic planning, advisory, value assessment, change management and industry-specific solutions. Trinamix has also developed unique PaaS-based solutions complementing Oracle Cloud Applications that enhance the digital thread of an organization with a focus on resiliency.

Contact Us

For more information about Trinamix Fabconnect, visit **www.trinamix.com** or e-mail at **sales@trinamix.com**

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