



## FSM Link to Supplier Systems

SOLUTIONS FOR THE FABLESS INDUSTRY

*Simplify the typical integration challenges across the fabless semiconductor lifecycle by automating communication with subcontractor and supply chain vendors, and gaining visibility into real-time production activity. With Tensoft FSM Supplier Gateway, you can easily and more accurately track product progress from inception, through production, to delivery. Successfully deployed at most first-tier subcontractors and many second-tier subcontractors, Tensoft's proven methodology ensures integration to smaller suppliers as well.*

### Increase Velocity

Speed information flow to all relevant parties, including internal clients, partners and customers.

### Improve Efficiency

Communicate effectively with all vendors at all phases. Automate time-consuming transactions, eliminate error correction.

### Broaden Visibility

Gain access and insight into detailed levels of supplier data and history to improve planning, transparency and oversight.

### Better Data Accuracy

Easily detect and correct errors or discrepancies in vendor data before it goes into the ERP system.

### Reduce Costs

Efficient and accurate data collection helps reduce costs by saving time and conserving valuable resources.

### Measure Supplier Performance

Real-time communication, requested execution validation, and continual synchronization and comparison provide data to measure supplier performance and help ensure accountability.

BENEFITS

WIP Status Report											Page Number: 1 of 1	
Production Release	Process	Attribute Set	Vendor Part #	Wafer Lot #	Vendor Lot #	Customer Lot #	WIP Stage	Qty	Current Commit	Int Commit	Completed Commit	
PRCD00000003	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50024	RAWKCA1218.1		2FH40	1692	06/15/2007	06/15/2007	06/25/2007	
PRCD00000008	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50027	RAWKCA1258.1		XFER-TEST	785	06/17/2007	06/17/2007	06/20/2007	
PRCD00000011	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50029	RAWKCA1237.1		2FH40	3864	06/16/2007	06/16/2007	06/20/2007	
PRCD00000012	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50029	RAWKCA1238.1		3FR25	1980	06/16/2007	06/16/2007	06/18/2007	
PRCD00000012	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50029	RAWKCA1210.1		3FR25	5327	06/15/2007	06/15/2007	06/18/2007	
PRCD00000013	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50029	RAWKCA1212.1		3FR25	7152				
PRCD00000013	FAB-TSMC	R5000	FMQSL256-DG	3WOF2H-50029	RAWKCA1213.1		XFER-TEST	529				

**WIP Status Report**  
Instantly view current snapshots of all WIP status and projected commit dates

FSM Supplier File Mapping		FSM File	Browse	Upload
		Supplier File	Browse	Upload
<b>FSM Data Fields</b>	<b>Supplier Data Fields</b>			
Prod_release_no	Purchase_Order			
Prod_release_scheduled_no	Schedule			
PO_NO	GP_PO			
Transaction_dt	Trans_date			
Lot_no	Lot_no			
data_code	data_code			
invoice_no	Invoice			
sales_order_no	Please Select			
wafer_qty	Purchase_Order			
nat_date_qty	Schedule			
yield_loss	GP_PO			
vendor_loss	Trans_date			
	Lot_no			
	data_code			
	data_code			
	SOPLHUMB			
	wafer_qty			
	Qty_City			
	Yield			
	Vendor			
	Vendor_part			

**Supplier File Mapping**  
Easily map suppliers' WIP/ Ship alert reports to FSM

Ship Alert Receipt Listing							System	Refresh	Create
Trans Date	Vendor	Production Release	Ship To Company	Rec'd Qty	Packing Slip				
Process/Rev	Attribute Set/Rev	Schedule	Ship To Location	Yield Loss					
	Vendor Part No	Lot Number	Vendor Ship To		Create Receipt				
05/10/2005	System	PRCD000000035	AMK-OR	866	PK0345				
ASV-AMK/1	R5000-BOA256/1	ASE93736495	P3	0					
	R5000-BOA256	ASE93736495							
05/10/2005	System	PRCD000000035	AMK-OR	900	PK0123				
ASV-AMK/1	R5000-BOA256/1	ASE93736496	P3	0					
	R5000-BOA256	ASE93736496							
05/10/2005	System	PRCD000000035	AMK-OR	450	PK0123				
ASV-AMK/1	R5000-BOA256/1	ASE93736497	P3	0					
	R5000-BOA256	ASE93736497							
05/10/2005	System	PRCD000000035	AMK-OR	960	PK0224				
ASV-AMK/1	R5000-BOA256/1	ASE93736498	P3	0					
	R5000-BOA256	ASE93736498							

**Ship Alert Receipt Listing**  
View consolidated queue of completed lots to be received in FSM

**FEATURES OVERVIEW**

*Live Integrations with Top-Tier Suppliers*

Successfully deployed at most first-tier suppliers and many second-tier suppliers. Flexible, proven methodology for adding suppliers allows integration via the most optimal method in each circumstance.

*Production Orders and Forecast Information*

Communicates forecasted and actual production requests to the supplier.

*WIP Options*

Collects real-time updates on supplier material moves, released lots, expected outdates, and on-time delivery status. Complete history maintained for traceability.

*Shipment Options*

Collects production completion data to record lot movement, actual cycle times and yields, production genealogy information, and confirmed production receipts. Pay-point completion steps queued for production control acceptance and the integrated production payables process. Lot clarity and procurement requirement rules enforced.

*Flexible Options for Integration*

Flexible options for Tensoft-managed and customer-managed integrations. Multiple integration models available, depending on supplier systems and capabilities. Integration model requirements include spreadsheet files, flat files, RosettaNet files, and web grabber technology.

*Supplier Performance Monitoring*

Move hard data evaluations with suppliers by maintaining a complete history of on-time delivery, supplier data quality and supplier performance. Identify exceptions and mismatches in supplier systems through comparisons to internal production control data.

*Data Cleansing*

Built-in processes for data cleansing and upload validation provide for clean data through an always-running and always-available system. Allows customers to check for discrepancies and fix errors before acceptance.

