

Trans-Tec NPI Solution

Machine Series: YAMAHA YSM & i-Pulse



Seamless Aegis Integration

Trans-Tec's NPI Software Solution now includes FactoryLogix which enables a user to perfect CAD and BOM data before generating a program. The seamless integration allows direct library management access, machine programming with advanced documentation allowing visual aids on the factory floor.

NPI Features:

- Automatically add new part numbers to database in a single click.
- Adjust board origin, rotate data and panelize.
- Convert CAD, Gerber, ASCII or centroid to a machine program in seconds.
- Eliminate human errors and dramatically increase efficiency VS. manual teaching.
- Machine angle verification layer wizard confirms each package selection's final placement angle automatically.
- Easy expansion to FactoryLogix MES supporting the entire manufacturing lifecycle: from product launch to material logistics, through production execution and quality management, to powerful analytics.

Discover Aegis' Holistic Manufacturing Solution

Aegis is the leading provider of innovative software solutions that improve speed, control, and visibility throughout manufacturing operations. Digital Manufacturing Engineering (NPI) is just one of many solution areas available in Aegis' uniquely adaptive manufacturing execution & operations solution (MES), **FactoryLogix**®. With FactoryLogix, manufacturers can connect business-critical systems, processes, and people across operations via Digital Manufacturing Engineering, Manufacturing Process Execution, Lean Materials Management, and much more.

As an integrated suite of software modules and devices, FactoryLogix® can adapt to and improve every aspect of your manufacturing operations.

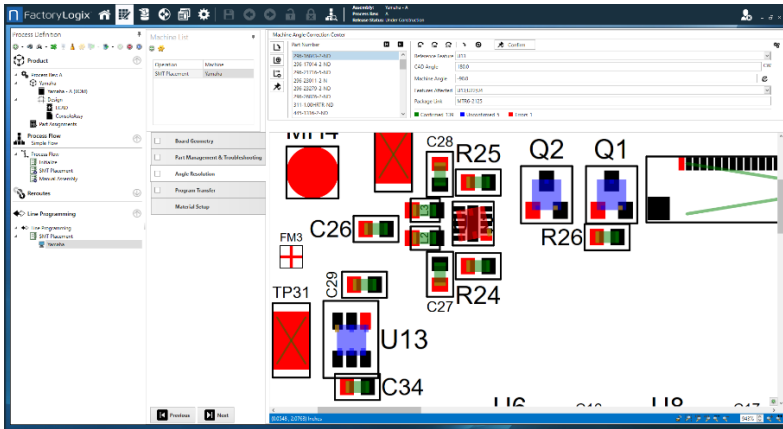


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Programming Experience



List of All Importers

- Accel EDA, Accel Tango, & Accel PCAD
- Aperature List - Text file
- Cadence Allegro via Aegis Script
- Centroid File - text file
- DIF (Design Interchange Format), PADS DFT Audit, and C-Link
- EE Designer III ASCII File
- GenCAD v. 1.4
- Gerber RS - 274X, Gerber RS 274-D
- INCASES TL CAD File
- Intergraph Veribest GenCAD
- IPC-D-356
- Mentor Graphics Neutral File
- OrCAD
- PADS PowerPCB, PADS Perform, PADS 2000, PADS Work
- Pantheon PDB File
- P-CAD PDIF Design File
- P-CAD for DOS
- Protel 98/99 ASCII PCB File
- SCI Cards Neutral File
- Supermax CAD
- Tango for DOS
- Ultiboard
- Valor ODB++ CAD Project
- Valor ODB++ XML
- Zuken Visula and Cadstar

Function	Primary Platform
Raw File Interception (Data Preparation)	
Import CAD / Digitize Gerber (or scanned image)	Aegis
Import BOM	Aegis
Merge BOM/CAD	Aegis
Board / Panel Definition	
Step-and-Repeat	Aegis
Define Fiducials	Aegis
Component Assignment	Aegis
Set Origin	Aegis
Rotate Panel / Board	Aegis
Machine Library Support	
Relate New Part Numbers	Aegis
Create New Components	Machine Software
Edit Components	Machine Software
Relate Fiducials to machine Fiducial Shapes	Machine Software
Placement Angle & Shape Troubleshooting	
Automated Placement Angle Calculation	Aegis
Visually Confirm Shape Geometry & Orientation	Aegis
Placement Data Transfer from Aegis	Machine File
Line Balancing & Optimization	
Distribute Components Across Machines In Line	Machine Software
Optimize Feeder Setup	Machine Software
Generate Placement Sequence	Machine Software
Generate Machine Programs	Machine Software
Recipe/Program Transmission	
Transmit Program To Machines	Machine Software
Mixed technology Programming Support	
Stencil Printer Offline Programming	Aegis
AOI Offline Programming	Aegis
SMT Placer Offline Programming	Aegis

