

Factory Digitalization in Electronics Manufacturing

Solutions Overview

Cogiscan provides comprehensive and modular factory digitalization solutions tailor-made for electronics manufacturers. Our applications enable machine connectivity, process control and traceability, and AI-powered analytics – from the shop floor all the way to the enterprise level.



MES/MOM

Manufacturing Execution | Advanced Planning & Scheduling (APS) | Business Intelligence & AI

Shop Floor Control

Material & Process Control | PCBA Traceability
Factory Dashboards (Analytics)

IIoT Platform

Connectivity | Data Management
Factory Intelligence (Analytics)



IIoT Platform

This robust connectivity layer extracts high quality real-time data from your shop floor. It can also exchange data with existing enterprise systems such as PLM, MES, ERP and Analytics. Optionally, collected data can be contextualized, centralized, and normalized our advanced data management layer.



Connectivity

Our connectivity solutions include software and hardware products that guarantee you access to the most reliable factory data.

Modules: [Co-NECT](#), [PFC](#), [TTC Check](#)



Data Management

Our data management solutions enhance the value of factory data by consolidating, enriching, contextualizing, and sharing it.

Module: [TTC Server](#)





Shop Floor Control

Designed to provide complete visibility, control, and data intelligence to your SMT production process, these solutions will help you enhance your overall shop floor experience.



Material & Process Control

With manufacturers typically managing thousands of components that are shared across various product types on multiple lines, control is paramount. We'll help you attain precise material and machine control, so you can rely on a seamless factory floor day in and day out.

Modules: [Material Control](#), [Machine Control](#), [MSD Control](#)



PCBA Traceability

Capturing the manufacturing process from all angles – we provide complete and accurate reporting of your production.

Modules: [360° Traceability](#), [TTC Fix](#)



Factory Dashboards

Factory Intelligence grants you real-time data from the entire manufacturing process while providing both instantaneous feedback and deep analytics.

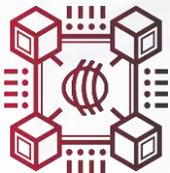
Modules: [Factory Intelligence Real-Time](#), [Factory Intelligence Analytics](#)



MES/MOM



The MES/MOM Suite covers the various requirements of production, from order execution all the way to final delivery and includes advanced manufacturing data intelligence tools. Due to the open and composable architecture, this system seamlessly integrates into existing infrastructure.



Manufacturing Execution

Our Manufacturing Execution system will ensure your factory is always performing as intended – with real-time production data you'll guarantee you are running the right products with the right materials.

Modules: [Material Logistics](#), [Traceability & Genealogy](#), [Production Management & Execution](#), [Quality Management](#), [Maintenance Management](#).



Planning & Scheduling

Our APS system enables factories to achieve a smooth work order flow with shorter lead times and continuous cost optimization.

Module: [Advanced Planning & Scheduling \(APS\)](#)



Analytics: BI & AI

Our BI & AI solutions provide web-based dashboards and invaluable predictive analytics to help improve your overall performance.

Modules: [Business Intelligence \(BI\)](#), [IIoT.Edge \(AI\)](#)



Some of our key customers



Our global footprint

With 600+ installations in 40+ different countries, our solutions have helped to transform manufacturing operations around the globe.

We've had the privilege of working closely with tier one manufacturers in a wide variety of industries, including medical, aerospace, consumer electronics, and automotive.

This close-up exposure to the transformative power of factory digitalization keeps us at the forefront of emerging global trends within smart manufacturing.



What they have to say about us

"After our internal evaluation demonstrated that Cogiscan's Co-NECT technology would allow us to connect the majority of our SMT equipment within a few months, they became our top choice to accelerate our digital transformation and enable us to move towards a more predictable environment. Additionally, the Co-NECT platform offers the richest data among the alternatives that we evaluated."

JABIL

"Using Cogiscan's traceability system for the last 7 years on 5 SMT lines, Cogiscan's solutions have become an integral part of our smart factory operations at our facility in Bangalore. They offer the most reliable source of shopfloor data."

Schneider Electric

