The right material at the right place at the right time.

Cogiscan
* Track Trace Control

Save time & money

Reduce your manufacturing costs by improving overall productivity (Overall Equipment Effectiveness, or OEE) and eliminating waste of time and materials.

In some industries materials can represent up to 90% of the cost of the finished goods. On-time delivery and profitability can be compromised by having the wrong materials or by having the wrong quantity of material available. With Cogiscan Track, Trace, Control solutions, all production materials are tracked accurately, in real-time, anywhere on the factory floor. This ensures that you have the right material, in the right place, at the right time - from receiving all the way to final product packaging and shipping.

Cogiscan TTC software modules optimize and validate material flow at each step in the process. There is no more time wasted looking for parts or correcting human errors while assembly lines are sitting idle.

With Cogiscan TTC solutions, ROI is typically achieved within 3 to 9 months.

> "With Cogiscan we have reduced our changeovers by half."
> — STEVE SÉGUIN, ENGINEERING MANAGER, CONTRACT MANUFACTURER

Benefits:
- Improve overall OEE
- Reduce material costs
- Eliminate human errors
- ROI within 3 to 9 months

Increase customer satisfaction

Complete traceability provides your customers with the peace of mind that you are actively monitoring every element in your manufacturing process, and shipping high quality finished goods. They are also assured by the proof of compliance with industry standards and legislation that a Cogiscan TTC solution offers.

Your customers benefit from reduced cost and cycle time as you are able to instantly detect and correct errors, quickly locate parts, and ensure line set-up is correct the first time. You can also react immediately to changes in demand due to real-time information availability.

> "Cogiscan's solution ensures a 100% reading rate of serialized PCBs, allowing us to provide accurate traceability information within 24 hours to our customers."
> — RAM DORNALA, JABIL

Benefits:
- Improve product quality and reliability
- Complete traceability
- Proof of compliance with industry standards and legislation
- Reduced cost and cycle time

Reduce risk

Scalable and modular solutions give you the flexibility to procure and implement only what you need today, while enabling you to expand your solution later if required. This approach allows a low cost of entry for your Cogiscan TTC solution.

The Cogiscan platform seamlessly integrates with existing legacy manufacturing systems, and is perfectly adapted to fill any functionality gaps.

And, because you apply only what you need, implementation time is shorter and ROI is more immediate.

> "We were impressed by their expertise with RFID, the result of years of working with this technology in the electronics manufacturing environment."
> — BOB BLACK, PRESIDENT & CEO, JUKI AUTOMATION SYSTEMS

Benefits:
- Low entry cost
- Scalable and modular - buy only what you need
- Integrates with legacy systems and fills functionality gaps
- Easy to expand in the future

Patented and proven technology provides a modular and scalable solution

Cogiscan offers a unique solution that can be tailored to any requirement. Using patented RFID technology or standard barcode hardware, combined with Cogiscan software, the system is modular and scalable.

Suppliers

Receiving — Components / Materials — Sub-assembly — Final assembly — Packaged product — Finished goods

Distributors, Customers

Point Solution

Cogiscan TTC can be used as a point solution when only specific areas of the factory need to be optimized.

Real-time data collection throughout the whole manufacturing process

The Cogiscan platform enables real-time Tracking, Traceability and Control of all materials critical to the assembly process, including components, subassemblies, final assemblies, tooling and consumables, on and off the assembly line.

World Class companies build the best products trusting Cogiscan TTC solutions:

BOEING   CISCO   DELL   Ford   HITACHI Inspire the Next   MOTOROLA

Standardize and centralize data

The Cogiscan platform integrates with any data hardware collection devices. Cogiscan TTC software can integrate with semiautomatic or automatic devices to provide real-time data. Cogiscan TTC software also integrates with devices like Product Flow Controllers, Cycle Stop Controllers and Light towers to provide complete control over the manufacturing process.

1. Collect data from any source

Cogiscan TTC

Barcode Reader — RFID Reader — Vision Systems Camera — Machine Data Collection
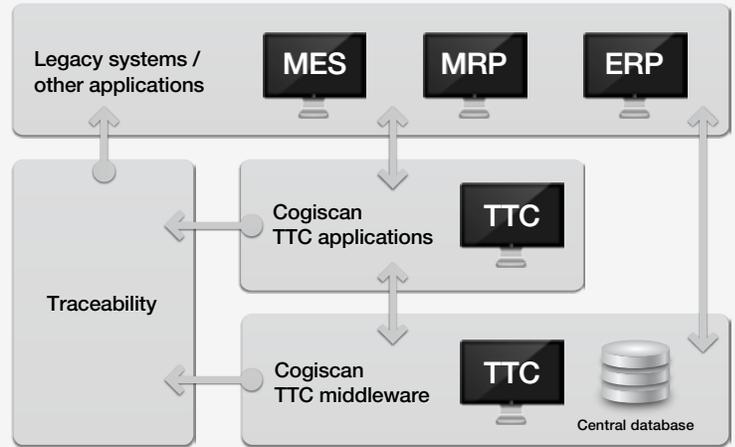
2. Control process

Light Tower — Machine / Line Control
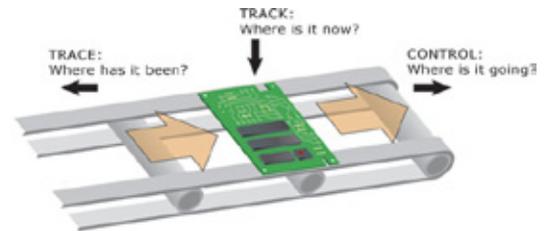
Integrate and share data with legacy systems

As well as being a complete TTC application, the Cogiscan platform integrates with legacy systems to plug the holes in the functionalities of other applications. Cogiscan TTC solutions can work with your existing MES, MRP and ERP systems to provide complete material visibility and control.

Legacy systems / other applications

MES **MRP** **ERP**

Cogiscan TTC applications **TTC**

Traceability

Cogiscan TTC middleware **TTC**

Central database

COGISCAN TTC APPLICATION MODULES

Enable material and tool Tracking, Traceability and Control to improve product quality, reduce waste and lower inventory cost

- WIP Tracking
- Route Control
- Product Serialization
- Packing and Shipping
- Traceability, Genealogy

- Inventory Tracking
- Receiving
- Kitting Control
- Offline Job Setup
- Line Setup Control
- MSD Control

- Asset Tracking
- Maintenance Control
- Productivity Monitor
- Defect Data Collection

TRACK: Where is it now?

TRACE: Where has it been?

CONTROL: Where is it going?

Over 150 companies worldwide use Cogiscan TTC solutions, including:

GE   Raytheon   JABIL   BOSCH   SAMSUNG

ABOUT COGISCAN

Cogiscan Inc. is recognized as the leader in TTC solutions. Cogiscan provides TTC solutions directly to manufacturers, and leading equipment and software OEM partners.

JUKI   FUJI   MICROSCAN.   Panasonic   SAP   SIEMENS

Patent Numbers

US7,069,100	US7,589,633	EP1279075	ZL200580012050.0
US7,286,888	MX261442	ZL01808397.8	92887

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Cogiscan's RFID technology is unique and patented.