

## Machine Communication

### Optimize your entire manufacturing process by collecting data from every machine

#### OUTCOMES:

- - Achieve a higher level of data collection and process control - Improve visibility of the complete manufacturing environment - Provide standardized data from all systems and machines - Track component inventory in real-time throughout the manufacturing floor - Avoid line down situations with low-level warnings and alarms

Intelligent machines can generate and record valuable material and process data, and Cogiscan's Machine Communication gives you a simple and robust method to access and use that data.

The Cogiscan system is able to collect and standardize data from any kind of manufacturing equipment to provide detailed and comprehensive Track, Trace and Control (TTC) reports. This machine data becomes available to any Cogiscan TTC application, any other third-party software including ERP & MES, or any internally developed solutions.

As an example, for placement machines Cogiscan's machine communication automatically transfers the component and feeder setup information and enables the collection of material consumption data in real time. This option performs an automatic changeover in the Cogiscan system when a program is changed on the machine itself. It also enables component traceability down to the Component Reference Designator (CRD) level.

Cogiscan's Machine Communication architecture is based on CAMX – the IPC industry standard protocol. The system comprises of a series of CAMX collection points that gather available data from specific machines in whatever form it is provided, and transforms it into a standard CAMX message for processing and distributing by a central CAMX message broker.

Cogiscan offers a vast library of CAMX adapters for leading brands and models of production equipment, and adapters to support new machine models are constantly being developed to support the needs of our expanding customer base.

