

## Moisture Sensitive Device Control

Reduce costs by automating complex manual procedures to ensure complete MSD control

### OUTCOMES:

- - Prevents costly field failures
- - Minimizes baking cycles
- - Eliminates human errors
- - Automates complex manual procedures
- - Ensures compliance with industry standards



Ensuring proper control of moisture sensitive devices (MSDs) during assembly has a direct impact on the reliability of the finished product. MSD Control is widely recognized as a critical and difficult process to manage because internal defects are nearly impossible to detect.

Material and process control becomes very difficult to follow in a high mix production environment, when partial trays and reels are often removed and re-loaded from assembly lines to be stored in dry cabinets or dry bags. This leads to laborious manual logging procedures and unnecessary bake cycles, adding time and costs to production.

Cogiscan MSD Control is the benchmark in material quality and process control – the only system that provides real-time tracking of MSDs in full compliance with the IPC/JEDEC standard. This expert system keeps track of each individual tray or reel containing MSDs, from the time they are removed from their protective dry bag, through placement, and final reflow.

Users are able to access the real-time status, physical location, and remaining floor life of all MSDs on the assembly line, in the dry cabinet, in re-sealed dry bags, and in the oven.

And, with complete MSD traceability data, audits are simplified, proof of compliance is provided, and liability is reduced.

