

MSD Control

Ensures strict adherence to the complex rules surrounding MSD handling.

Your Challenge

Relying on manual calculations and controls is not sufficient to ensure that MSDs are handled properly to avoid quality issues. Whether you rely on home-grown tools and processes, or over-bake your MSDs to be safe, you're likely wasting time and money as well as exposing yourself to actual failures in the field!

Our Solution

We've deciphered the complex tables and rules in the JEDEC standards (J-STD-033D and J-STD-020E) and automated them in a comprehensive expert system. With our MSD Control solution, you'll no longer need to manually maintain complicated calculations, spreadsheets or written logs in order to ensure that your MSDs are placed safely on your PCBs.

1st MSD Control solution
for SMT manufacturing

“Before using the automated MSD Control system, it took anywhere from one to two hours to perform a line set-up. **Today, it only takes 10 to 20 minutes to get a bullet-proof set-up.**”

Raytheon

SMT Section Manager, Raytheon



Benefits

Improve both the quality and reliability

of any product you assemble with MSDs

Always guarantee full compliance

to the latest IPC/JEDEC standards

Save both time and money

by leveraging a fully automated solution instead of disparate manual tools and calculations – Operators are given easy and simple instructions for MSD control

3 Enhanced Production Control:

Physically block production when expired MSDs are present on the line or on a PCBA.

4 Complete & Automated Solution:

Assign floor life based on MSL, component type and body thickness, as well as factory ambient conditions, including temperature and humidity. Automatically manage remaining floor life clock based on whether MSDs are in dry storage or exposed to ambient moisture.

5 Automatic Alerts:

Color coded warnings and alarms to visually alert Operators of expired or soon-to-expire components.

6 Detailed Reporting:

Thorough reporting information available including the floor life status of both individual components and assemblies with MSDs, the list of MSDs that have expired or are about to expire, as well as inventory details about MSDs in dry storage.

Features

1 Precisely Track Floor Life:

Accurate tracking of the real-time location and remaining floor life of individual trays and reels containing MSDs – from the time they are removed from their protective dry bag, through placement, and final reflow.

2 Automate the Bake Process:

Automatically calculate bake / re-dry times for MSD parts and containers based on JEDEC standards; guide operators to bake parts and PCBs for the correct amount of time.