

Jason Mroczkowski (Cohu)



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Agenda



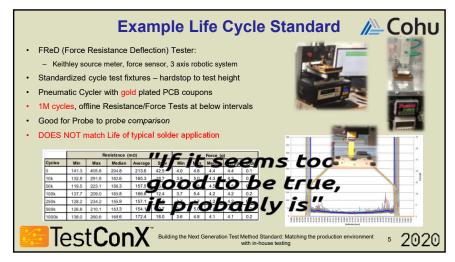
- Introduction
- Current Standards
- Improved Setup
- Results
- Conclusion
- Next Steps

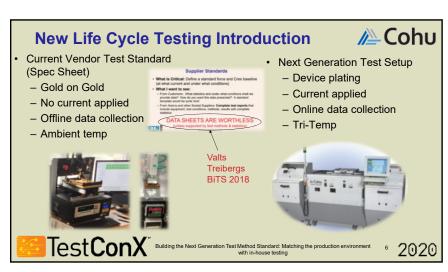


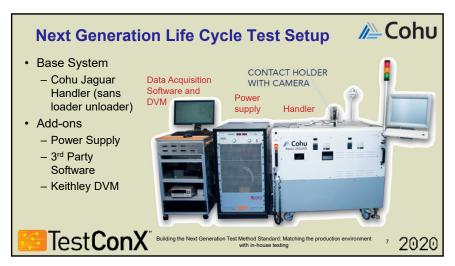
TestConX[®] Building the Next Generation Test Method Standard: Matching the production environment with in-house testing

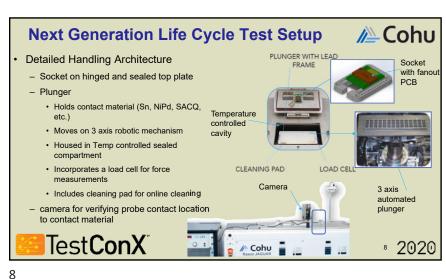












Next Gen Life Cycle Test Equipment Specs Cohu

- · Temperature range
 - -40 °C till 160 °C
 - LN2 required for cold
- Throughput

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- Ambient and Hot 70k-80k cycles per day
- Cold 5k- 7k insertions per day. (must be attended at all times – LN2)
- CRes measurement
 - Keithly 2700 multimeter
 - 8 channels can be sourced and measured

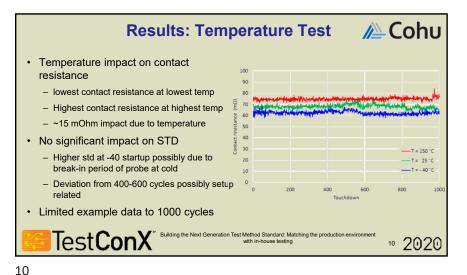
- · Current pulses
 - minimum time length 0.1 ms, maximum current 250 A)
 - Current applied to one probe
- Interface
 - GPIB programming
 - calibrated load cell, DVM, handler movement at regular time intervals (twice a year)
 - Measure force only at room temperature

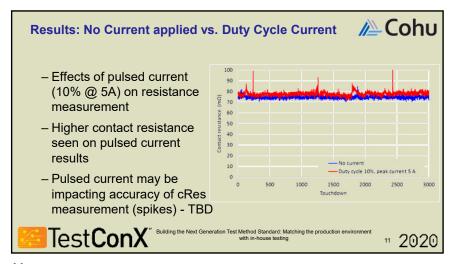
Contactor 1.27 mm pitch. PCB FR4

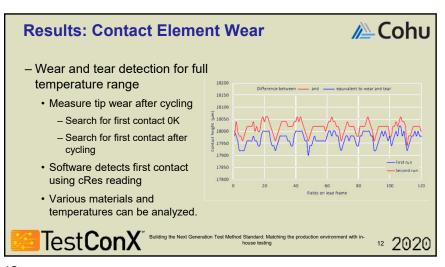
10 probes

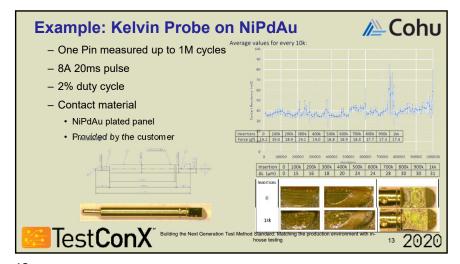
8 routed channels 1 current channel

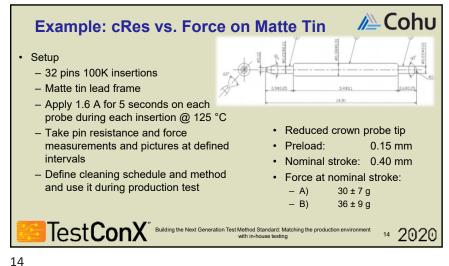
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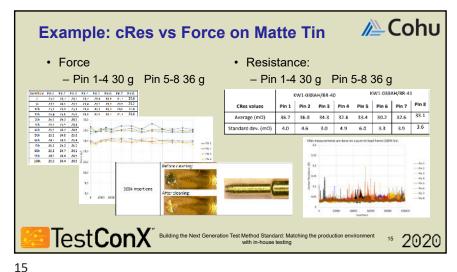


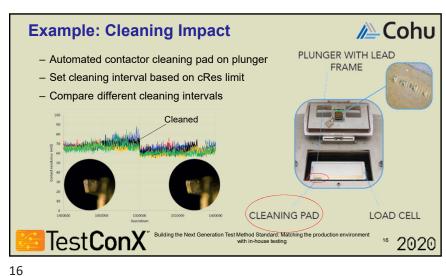


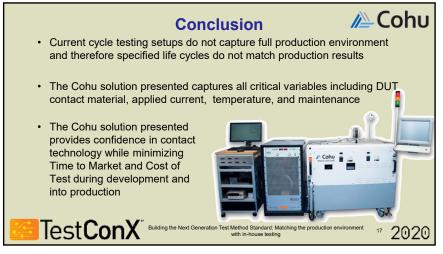














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