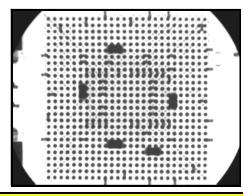
stage of the assembly process strict quality controls are applied. paste height is measured prior to surface mount.

ovens profiled using populated boards.

Surface mount assembly checking with Fully Automatic Optical Inspection (AOI) (Diagnosis VisionPoint, ~100 components per minute) Programmed using a "gold" board and ODB++ data. Detects component misplacements, incorrect part nrs, poor solder joints, solder bridges.



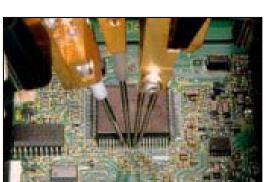
OI example is not from a FED)



Example of a good BGA (from a

BGA assembly verified with 3D X-Ray. Solder ball re-flow checked using Ersascope.

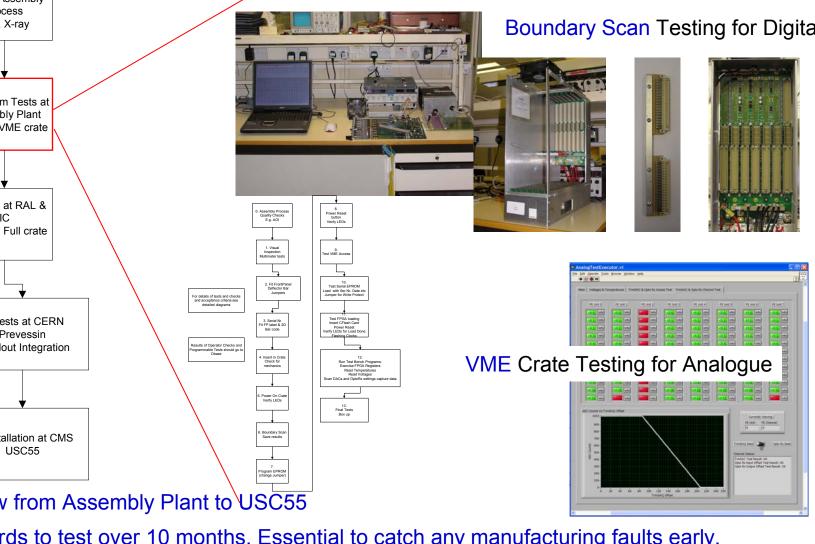








Ersascope picture (not from



rds to test over 10 months. Essential to catch any manufacturing faults early.

## Plans