Extend the lifetime of your current Probe Card Analyzer

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Agenda

- Prv and VX machine upgrade path
  - Including mechanical, optical and electrical Upgrades
  - Microscope upgrades
  - Obsolete part replacement
- Correlation results
- PMM Upgrade options
VX upgrade

- New win 7 computer
- Ethernet capability
- Reference files Compatibility
- VX Channel motherboard compatible
- Vision recipe for all probe-tip types
- 3D display of Probe Card image
Upgrade details

- Chuck refurbishment
- Dot rework / refurbishing
- Optional dot sizes possible
- Lens rework
- Camera replacements with Ethernet BW/ type
- Light source upgraded to single-phase light
- New motors and driver boards
- Automated counter-weight balance manipulator
Upgrade details – cont’d

- XY stage remapped
- Z stage rebuilt with 50kg stage (minimum)
- Microscope
  - Refurbished including new light source
  - Motorized microscope optional
- Gram force post refurbished
- New load cell assembled
- Motherboard can be refurbished pending type
- XY stage can be expanded to 8” x 8” travel
Upgrade details – optically confirmed

- Single-phase blue light chuck a photo in process
- 3D Verification of chuck and profiler
Electrical Upgrades

- Channel layout is compatible with original
- Same PMM
  - New PMM/ASB flexible channels and relay location are optional
- Standard Upgrade Includes
  - Cable-management system
  - System electronics upgraded
  - New power supplies
  - New Cooling fans
  - Diagnostic probe upgraded
  - Refurbished pogo block
  - New electrical switches
- Optional upgrade capabilities
  - Additional channels with new PMM (up to 10,000)
  - Add-on Advance Smart block flexible relay positions
  - Capable of Direct dock probe card test
Electrical upgrade – cont’d

• New USB IO, etc.

• New PMM OS tester with scramble board
Correlation results

- Same results on an upgraded VX machine vs. original VX machine
Correlation results cont’d
PMM Upgrade Option

Design your probecard with respect to the tester capabilities

Don’t settle for your analyzer’s capability limits
Ask how we can help with our new PMM
Thanks for your attention

Please contact us with any questions

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