Test Engineering (TE) BU

About Valingro

- Valingro facilitates, develops & build Enterprises girded by Values
- Creating Companies concentrating on Global Competitiveness, leveraging global Opportunities, Acquiring global capabilities
- Philosophy: Business Beyond Profit
- Long-Term Value-Added Partnership Business Model

About ChipTest

- An associate of Valingro, ChipTest is a Semiconductor Test Company
- Established in 2005, ChipTest has 2 BUs: Test Engineering and Wisteria
- Over 27 Years of Test Engineering Business Experience
- Operations in India, Singapore & Malaysia

Services

- Test Plan Derivation for New Silicon Products
- Turnkey Hardware & Software development
- ATE Test Program Generation & Debug
- Product Characterization & Correlation
- Program Conversions between platforms
- Engineering to Production Integration
- Vector Conversion - Design Files to ATE Format
- Onsite Test Engineering Support
- Offshore Customer centric Test Centres
- Customers – IDM, Fabless, Start-up, Subcon
- USP – Dedicated Teams, Fast Time to Market

Process Flow

- Product Design documents / Datasheet Review
- Test Methodology & Limits Tabulation
- Test Hardware Schematics Generation
- ATE Test Program Code Development
- Multi-site Test Program & Hardware Debug
- Test Data Correlation & Statistical Analysis
- Electrical & Temperature Characterization
- Qualifications – FMEA, Site to Site, Spike Checks
- GRR Verification & Capability Studies
- Test Time Optimization
- Manufacturing Integration & Qualification

www.chiptest.net
**Capabilities**

- Advantest 93K ATE
- Advantest T2000 and T65XX ATE
- Teradyne ETS 364, J750, IFLEX, ETS 500 ATE
- LTXC ASL1K ATE
- Gravity Feed, Pick & Place, Turret & Map Handlers and Probers
- Bench Power Supplies, Oscilloscopes, V/I Meters, Thermo stream & Others
- Offline ATE Simulators and Remote Login Access
- Start-up Customers – Turnkey from Post Silicon to Manufacturing
- IDM Customers – Development to Manufacturing Release

**Road Map**

- High End Mixed Signal Tester
- RF Tester

**Expertise**

- High speed Digital SoC, Logic devices, Clock Drivers
- Power Management, Mixed Signal ASIC, A/D Converters & Others
- High Voltage / High Current & Low Voltage / Low Current Handling
- High Speed AWG / Digitizer Handling with DSP Commands & Data Analysis
- ATPG / Functional / Scan Vectors Handling & Scripting Skills
- Over 100 years of cumulative experienced Test Engineers
- Multi-site Cable Dock & Direct Dock Production Solutions
- Case Studies – A/V Decoders, DSP Controllers, Micro Controllers, etc
- Case Studies – DDR Power Controllers, Multiphase Controllers, Battery Chargers, LED Charge Pump Drivers, etc
- Case Studies – DC/DC Controllers, High Power Switch, Regulators, High Performance Amplifiers, Audio / Video Filters, etc