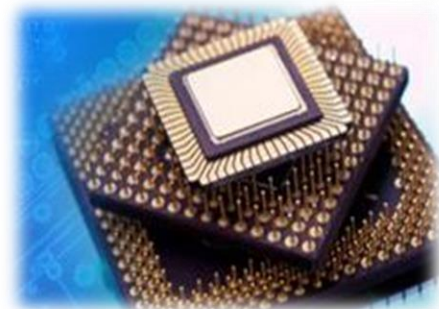# ChipTest Engineering

Solutions Driven By Knowledge

About ChipTest

- Established in 2005, ChipTest is an IC Test & Automation Company
- 2 Core BUs: Test Engineering and Wisteria
- Over 30+ Years of Test Engineering Business Experience
- ISO 9001:2015 Certified; Operations in India, Singapore & Malaysia
- Cost effective Offshore & Onsite solutions, providing Turnkey Product & Services Support
- Philosophy: Business Beyond Profit; Long-Term Value-Added Partnership Business Model
- Associate of the Valingro Group that facilitates, develops & build Enterprises girded by Values

Vision

Consistently excel in Semiconductor IC Test Engineering & Hardware Products with associated Embedded Solutions for global Customers

Mission

Exceed the fast emerging needs of our Customers by:

➢ *Accelerating time-to-market thru continuous Innovation & high Quality*

➢ *Providing unparalleled Service that is Versatile & Cost–effective*

Values

1. Business Ethics – defines us as a Company
2. Professionalism – defines us as Individuals
3. Citizenship – defines our contribution to society

Corporate Objectives

1. Profit – earnings that enable achieving other 4 objectives
2. Client Satisfaction
3. Competence
4. Employee Satisfaction
5. Growth

Quality Policy

"To consistently excel in Semiconductor Test Software and Hardware Solutions and exceed the fast emerging needs of our Customers through continuous innovation, high quality, accelerated, versatile & cost–effective services, along with increasing value addition to all stakeholders"

Quality Methodology

➢ Quality Controlled Process flow approach
➢ Archival of Process records and Quality data
➢ Closely monitored Corrective Action Systems
➢ ISO 9001:2015 Certified

ChipTest

Business Units (BU)

1. Test Engineering
2. Wisteria - Hardware Products & Automation Solutions
3. Allied Services

(1) Test Engineering BU

➢ New Product Development

➢ Program Conversion from Legacy platforms

➢ Product Design documents / Datasheet Review

➢ Test Plan Derivation for New Silicon Products

➢ Vector Conversion - Design to ATE Format

➢ Product Characterization & Correlation

➢ Engineering to Production Integration

➢ Test Time, Yield improvement

➢ Test Coverage improvement

➢ Manufacturing Support Services

➢ Product & Test Engineering

➢ Offshore Customer centric Test Centres

➢ Dedicated Teams, Fast Time to Market
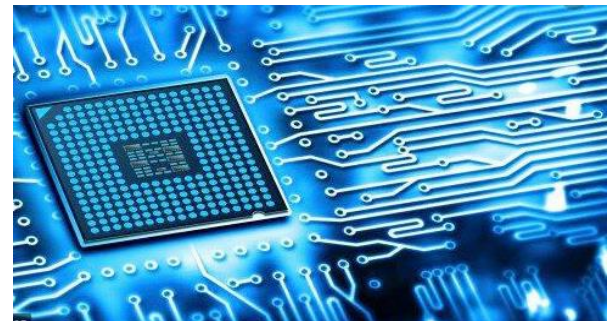
➢ Customers–IDM, Fabless, Start-up, Subcon

ATE & Bench Capabilities

➢ Advantest 93K, T2000 IPSE, IPS

➢ Teradyne ETS 800 / 364 / 88, J750, iFLEX, UltraFLEX

➢ LTXC ASL1K

➢ Bench Power Supplies, Oscilloscopes,

➢ V/I Meters, Thermo stream & Others

➢ Offline ATE Simulators

➢ Remote Login Access

(2) Wisteria - Hardware Products & Automation Solutions BU

❖ Experienced Inhouse design Team

❖ Tools – Allegro, Altium and Mentor PADS, Cadence CAPTURE

❖ ATE's viz Adv **93K / T2K**, Ter **Flex / J750**, **ETS 364 / 800 / 88,** ASL1K

❖ Tester Load board, HIB, PIB, Probe card, Handler Adaptor, Eval boards

❖ Design for High-Speed, High power, Precision and RF requirements

❖ Design, Fab & Assembly of HTOL / HAST / BI boards

❖ Direct BOM procurement by ChipTest

❖ Partners for Board Fabrication and Assembly
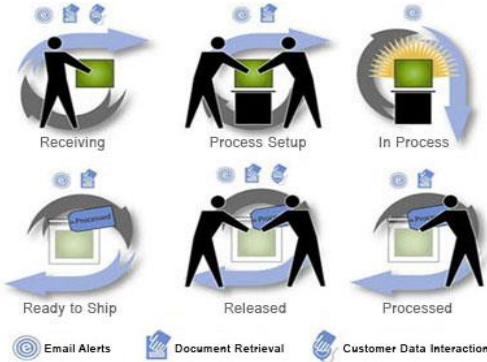
❖ Compliance to IPC-A Standards

PCB Capabilities

Automation

❖ Pick & Place Solutions for Industries

❖ Poke yoke system implementation

❖ Process Control Monitoring Systems

❖ Auto Liquid Dispensing Systems

❖ Low-Cost Tri-Temp Handlers

❖ Handler Conversion Kits & Test Sockets

❖ OEE Dash boards of inline Equipment's

❖ Auto Screw Feeding System

❖ Auto Mounting & Inspection Systems

❖ Automotive Functional Test Systems

❖ Health Care Automation

❖ Food Products line Automation

(3) Allied Services

➢ Wafer Sort & Final Package Level Production Testing

➢ Proto-Type Samples Packaging & Small Volume production

➢ New Product Reliability Qualification

➢ ESD/Latch-up Qualification

➢ ATE Equipment Installation & Maintenance Support

Delivery Methods

➢ Well defined Process Flow documents & Checklists

➢ ISO Work Procedures and Standards

➢ Setting & Monitoring of Key Performance Indices

➢ Project Scheduling & Milestone Tracking

➢ Systems for Continuous Process Improvement

➢ Customer specific Qualification Process

Customers

➢ Global Semiconductor Customer base

➢ Markets – India, Asia Pacific, Europe, America

➢ Device & Equipment Manufacturers, Design Houses, OSATs & ATMPs

➢ Consumer, Industrial, Automotive, Defence, Medical Applications

➢ Inbuilt Long-term Partnership Model

Infrastructure

• 20K sq.ft Facility with fully furnished Office space

• Well Equipped Static Dissipative Flooring with ESD Controls

• Temperature & Humidity Controlled Environment

• Long term Partners for Supply Chain Management

• High Speed Internet Connectivity with Remote Accessibility

• Located in heart of Chennai, proximity to Airport, Seaport, Rail & Road

Logistics

➢ 100 % Export Oriented Unit (EOU)

➢ Green Channel Status for Imports & Exports

➢ Zero Duty with Expedited Customs Clearance

➢ Convenient Logistics for Equipment Consignment

➢ Daily Connecting Flights to all Countries

➢ Direct drop shipment to End Customers

Professional Team

- ➢ Well Experienced Leadership
- ➢ 50+ Years Total Test Engineer Experience
- ➢ Qualified & Skilled Test Personnel
- ➢ Proficiency in Communicating in English
- ➢ Ready availability of Resources for expansion

Human Resources

- ➢ Recruitment of Talented Engineers from Reputed Institutions
- ➢ Continuous & Standardized Training Methodologies
- ➢ Periodical Performance Appraisal Review
- ➢ Employee Appreciation & Rewarding Schemes
- ➢ Performance based Long Term Career Growth Plans

Socio-Economic-Contribution (S-E-C)

- ➢ Volunteering one's time to improve society
- ➢ Phase 1: < 35 Years of Age – Focus on Career Building & Establishment
- ➢ Phase 2: 35 to 65 Years of Age – Ability to contribute to Economic Development
- ➢ Phase 3: >65 Years of Age – Ability to contribute to Social Causes
- ➢ S-E-C is to contribute socially in Phase 2 along with Economic Development
- ➢ 3 Areas identified to assist us in achieve this
  - o Following discipline in any and everything we do
  - o Providing a helping hand to people around us in any way we possibly can
  - o Showing the right path forward to people around us

Value Proposition

- ➢ Cost Effective One Stop Turnkey Test Solutions
- ➢ Customer-wise Dedicated & Talented Team
- ➢ Unparalleled 24x7 Service throughout the year
- ➢ Proven Track Record with focus on long term values
- ➢ Cutting edge Hardware & Embedded Technologies
- ➢ Enhancing the Time to Market for new Products
- ➢ Closely held partnership model with all Stakeholders