About Valingro Group
- Valingro facilitates, develops & build Enterprises girded by Values
- Creating Companies concentrating on Global Competitiveness, Leveraging global Opportunities, Acquiring global capabilities
- Philosophy: Business Beyond Profit

About ChipTest Engineering
- 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
- Long-Term Value-Added Partnership Business Model

About Wisteria
- Wisteria is the Hardware Products & Automation Business Unit of ChipTest
- Solutions provided in Semiconductor, Automotive, Electronics & Process Applications
- Integrated team of wide expertise under one roof

Solutions
- Pick & Place Solutions for Industrial Applications
- Poke yoke systems to avoid manual errors
- Auto Glue Dispensing system
- Inline Automated Screw Feeding, Mounting & Inspection Systems
- OEE report dashboard of Inline equipment’s data
- Automated Gang Flash programmer for Set Top Box (STB)
- PLCC Based System Automation to PIC/PC Based System
- Design for High Speed Digital & Precision Analog PCB needs
- Automation Hardware System Design, Development & Validation
- Automation Software Development for Control & Interface

PIC & PLC Capabilities
- 8/16/32 Bit Microcontrollers – 8051, PIC, ARM, Atmel, NXP
- Embedded Tools – MPLAB Assembler, 8051 Assembler, Atmel Studio, Keil, GNU, Arduino, CCS C
- OS – Windows Embedded, Raspberry, Embedded RTOS, Windows & Linux
- Wired Communication-I2C, SPI, RS232/485, USB, MODBUS, ETHERNET, TCP/IP, GPIB, PROFIBUS
- Wireless Communication – GSM, GPRS, GPS, BLUETOOTH, ZIGBEE, RF, WIFI
- Robotics – Yamaha, Mitsubishi, JMC, Motor Controls – AC& DC motors, Stepper, Servo, Step-Servo
- PLC - Siemens, AB, Delta, Mitsubishi & HMI - Siemens, AB, Delta

wisteria.chiptest.in
Fool Proof System to prevent wrong part packing
Wireless Scanner and data transfer for easy operation
Pneumatic and Relay control to avoid packing of wrong part
Scanned data save option both in System and Server
45 days data storage with Inbuilt memory in case of wireless interruption
Production and OEE report dashboard in Server

Automatic Pick & Place System with TCU Plunge
Improved Efficiency with Precise Device Insertion
Variety of Device sizes with same Base
Easy Conversion Capability for different packages
Fast and User Friendly Touch Screen operations
Real time Error Monitoring / Device Status display
Remote System Operation & Monitoring

Hot and Ambient testing with option of Cold
Conversion Kits for Various Package sizes
User Friendly Touch Screen Interface
Real Time Product & Error Monitoring Display
Hard Dock & Soft Dock Mechanisms
Proven Poke Yoke Features

Flash Programming at Chip Level
TTL parallel programming technology used.
Programming of 4/8/16 devices in Parallel
Higher production UPH due to Parallel programming
User Friendly GUI screens for easy access.
Controlled Access Permission for different levels of users

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Gravity PTB Handler

Pick & Place Tri-Temp Handler

Wireless Barcode Validator

STB Gang Flash Programmer Handler

Wireless Barcode Validator

Gravity PTB Handler

Pick & Place Tri-Temp Handler

STB Gang Flash Programmer Handler
**Vehicle Stator Coil Test System**

- Single, Dual, Three phase coil test capability
- Resistance, Inductance Testing
- Impulse – Area, differential area, corona Testing
- Kelvin type accurate R & L measurement
- Optional testing modes - L, R & Impulse
- Fast & accuracy measurement with Fool proof System for Reject Coils
- Auto barcode label generation for Good Units
- User friendly operation with Biometric login

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**Sleeve Shrinking System**

- Auto Sleeve Shrinking in to Wires
- Temperature variable up to 650C
- Designed for 360 deg angle temp forcing
- Dual Side loading/unloading for higher O/P
- 4 wires / Side shrinking at a time
- Admin level access over Temperature, Tolerance & Time to Shrink
- User friendly operation

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**Auto Liquid Dispensing System**

- Automatic Dispensing System for glue, grease & lubricants handling
- 3-Axis Robot for X-Y-Z operations
- Dual Output Nozzle for high Output
- Variable Work table sizes for handling various products
- Recipe based different products handling
- Rugged built in System for Industrial applications
- Built in Safety Features and Fool proof systems
- Touch based IPC for Easy Access
- Automotive, Solar, Chemical, Food & elevator industrial applications

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**Stator Coil Tester**

**Stator Coil Tester**

- Vehicle Stator Coil Test System
- Single, Dual, Three phase coil test capability
- Resistance, Inductance Testing
- Impulse – Area, differential area, corona Testing
- Kelvin type accurate R & L measurement
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Auto Screw Feeder System

- Automatic feeding to save screw picking
- Support Electric and Pneumatics screw drivers with even torque
- Faster operating speed up to 20-30 pieces of screws per minute
- Applicable for 2.3mm-6.0mm screw. Fiber optic control intellectual-type feeding. Single & Dual Output model available
- Optional Screw inspection method integration

OEE Dash Board

- Graphical presentation of overall production data
- Real time data Push from machine to Server dashboard
- Separate dashboard for Downtime report view
- User friendly - very easy to get started
- Enhanced version of report view over Internet and Mobile App

Professional Team

- Well Experienced and modernized Leadership
- 25+ Years of Expertise in Production and Maintenance field
- Creative and energetic Personnel’s under one roof
  - PCB design team
  - Mechanical design team
  - Embedded team
  - Software team
  - Integration team
  - Quality team

Quality Methodology

- Quality Controlled Process flow approach
- Well defined Process Flow documents & Check-lists
- Project Scheduling & Milestone Tracking

PCB Development

ChipTest Engineering Limited
18 Zakaria Colony, 1st Street, Choolaimedu, Chennai, India 600 094

ChipTest Engineering Private Limited
101 Cecil Street, #23-12 Tong Eng Building, Singapore 069 533

ChipTest Engineering Tech Sdn Bhd
Suite 1705A, Level 17, Menara Landmark, 12 Jalan Ngee Heng, 80000, Johor Bahru, Johor, Malaysia

eMail: sales@wisteria.chiptest.in
Web: wisteria.chiptest.in

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