

PULSARS

Leaders in OE Electronics

The Company

The business was started in 1988 as a garage start-up in Chennai. When the first Vending machine was made in India in 1989, we had our electronics in it. Since then PULSARS has pioneered every technological innovation in the vending field in India. Some of our firsts are

- First Digital control system
- First Smart card based vending controller
- First PCB with all motors and valves in 24V DC
- First battery operated vending
- First touch-keypad solution
- First indigenous fresh milk based vending
- First vending controller that sent SMS
- First Snack Vending Machine Controller
- First Fully battery based Vending Machine Controller for Condoms & Napkins

The Products

Apart from our strength in vending machine electronics, we have developed control products for other OE applications like

- Solar Inverters (High Freq Transformer-less design) cum MPPT Chargers for Home Inverters
- Solar MPPT Chargers for retro-fitting existing conventional home inverters
- Chemical Dosing Pump Controls,
- Contactless Smart Card Readers,
- Intelligent Battery Chargers for E-bikes,
- Battery Operated Golf Training Kits
- Control cards for Yarn Rewinding Machine Taining T21 and T29
- Touch Sense and Proximity Sense Keypads
- Home Automation Systems
- Cold Room Controllers

The Staff

A dedicated Development team consists of 15 creative engineers of whom 10 specialize in software, 3 in hardware and 2 in PCB design. The testing team is a group of 8 qualified and trained technicians. We also have a couple of specialists in product validation who put each newly designed product through specially designed tests to expose all vulnerabilities so that the weak areas can be strengthened. Assembly and Wiring is taken care of by 12 well-trained technicians. Service team of two wait for field returns. Stores is kept in order and well stocked by two women. Two administrative staff, an accountant, a purchase assistant and a delivery person complete the team.

Each and every one of them is a very motivated individual who has the customer in mind.

Equipment

All the required assembly and testing instruments like Component preparation equipment, Soldering equipment, Inspection lens, Digital scopes, Digital Multimeters, LCR Meter, HV Test kits, Programmers etc., are available in adequate quantity.

We have special ovens for testing our products at elevated temperatures. The product is placed inside the oven and it is made to work at elevated temperatures. The performance of the product is monitored from outside the oven by means of specially designed jigs and control equipments.

We design our test jigs according to the performance requirements of the product. Each product has a specially designed test jig which puts the product through various cycles of operation and monitors / helps operator to monitor the critical parameters.

Promoters

Balamurugan, completed engineering from Anna University; Worked for HCL; Now takes care of Marketing, Product development and QA.

Ganesh, completed engineering from GCE Salem; Worked for Siemens; Now takes care of Material planning and Manufacturing.

Work We Do

The company specializes in design of embedded controls for OE applications. Scope of work generally taken up includes:

- Requirement study
- Control scheme design
- Specification development
- Circuit design
- PCB design
- Embedded software development
- Prototype testing
- Production

The typical customer has been machine builder – mostly mechanical or electrical people – leaving the entire responsibility of control system to PULSARS.

With technological advances, as and when new chips and devices hit the market, PULSARS takes up the responsibility of redesigning running products so as to deliver to the customer better cost efficiency / improved performance / added product features etc. This is done as an extra service without any cost to the customer.

The manufacturing set-up is well tuned for flexibility in product mix and small lot sizes. Automatic test jigs are designed for each and every product and the sub-assemblies.

Testing is carried out by qualified persons with latest tools / meters / temperature chambers etc.

At each stage right from design up to final assembly, attention is paid to EMI / EMC considerations.

Representative List of Customers (Alphabetical order)

- American EFIRD Sri Lanka
- Bharti Cellular Limited (AirTel)
- Cafeo, Danmark
- Coca Cola India Limited
- GSMC USA
- Hindustan Lever Limited *
- Industrial Stainless Fabricators – Sri Lanka
- Maps Agency Malaysia
- Marketing Line, Kingdom of Saudi Arabia
- Milton Roy Asia LMI Limited
- Nestle India Limited *
- Pepsi Foods Limited
- Smart Identification

Rating by third party

SMERA Rating : SE 3A

D & B D-U-N-S Number : 92-147-7431

Contact Details

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