

COMPANY PROFILE

Geltron Systems is a member company of Gadson Group.

The Gadson Group was incorporated in the year 1980.

The group comprises of

- ▶ Gadson India
- ▶ Gadson Electronics
- ▶ Geltron Systems
- ▶ Electromech Technical Services
- ▶ Anso Technologies

With the manufacturing units based around Panvel, the Gadson group is involved in design and reengineering of several products on the mechanical and electronic aspects. Our varied set of machinery and skilled manpower enable us to venture into new product developments at a competitive economics.

We specialise in indigenising the components as well as converting concept in to product. Our advantage is we manufacture most of the components in-house, maintaining stringent quality controls at every stage resulting in a quality end product, which is competitive in price and is delivered strictly as per delivery schedules.

Our thought has been justified by multi national companies like Merloni, Godrej, Philips, National and Siemens etc. Who have made us see through tough task we took our selves.

Geltron Systems is mainly Micro controller and Electronic designing arm of the Gadson group and caters to complete designing and development of micro controller systems for OEMs.

It consists of a team of embedded technology engineers who take care of complete development including hardware as well as software and has strong support of gadson group resources in mechanical and administrative aspect.

Brief introduction of Manufacturing & Assembly set up:

Our set-up consists of six separate units situated in close vicinity in Panvel (Navi Mumbai.) Our set-up includes the following facilities,

- 1) Micro controller designing section
- 2) Computer aided mechanical design section
- 3) PCB Soldering facility with wave soldering
- 4) Assembly line
- 5) Full fledged Electronic-testing section.
- 6) Coil winding section
- 7) In house tool room
- 8) Press Shop
- 9) Injection moulding shop
- 10) Thermosetting (Phenolic) moulding shop
- 11) Rubber moulding facility

Quality policy

To be a customer oriented manufacturing organization, providing Quality and cost-effective products, which are quality tested and continuously improved against pre-defined performance levels to support the business growth of our customers

Objectives

- ▶ To design and develop reliable, cost effective systems with minimal foot print
- ▶ To provide complete solution to the customer using wide resources and expertise of the Gadson Group.
- ▶ To convert concept into product.

Customer Relationship

- ▶ Our group company Gadson Electronics is an ISO 9001:2000 company.
- ▶ Our aim of supplying quality product at right price will be certainly vouched by our multinational and Indian OEM customers.
- ▶ Our long standing association with our customers is a receipt of our quality service to them.

Developments at a glance ...

Microcontroller Based Applications

1 Complete system controller for industrial HVAC system

- q *Microchip 16F917 based application*
- q *Multiple features to balance AC load and to save power*
- q *Customer: STULZ*

2 Industrial Boiler controller

- q 89C51RD2 application
- q Customer: Thermax
- q Complete control of boiler and Specially designed for noisy environment

3 Temperature controller for AC accumulator heater.

- q Microchip 12F675 application
- q Customer: Parker Hannifin USA
- q Very compact and with minimal foot print

4 Ac compressor control by sensing system pressure:

- q Microchip 12F675 application
- q Customer: Parker Hannifin USA
- q Very compact and with minimal foot print

5 Storage water heater control and display:

- q Microchip 16F72 application
- q Thyristorised PID control of water heater.

6 Intelligent condensation coil temp. controller for precision HVAC system

- q Microchip 16F870 application
- q Customer : STULZ
- q Precise Temperature control

7 Power/temperature controller for HVAC exhaust fans

- q *Microchip 16F870 based application*
- q *Customer: STULZ*
- q *Thyristor based design with PID control*

8 Water vending machine controller

- q *Philips 89C51RD2 application*
- q *Customer: Ion exchange Ltd*
- q *Complete control and display for 4 channel water vending machine*

9 UV Water purifier controller

- q *Microchip 16F72 based application*
- q *Cost effective at the same time feature rich*
- q *Ideal for any UV purifier*

10 Fridge Power saver

- q *AT89C2051 based application*
- q *General Home appliance*
- q *Cost effective power saver*

11 Compact Temperature controller

- q *Microchip 16F870 based application*

- q *PID control with NTC sensor*
- q *Customer: Wimco Ltd.*

12 Ultrasonic Level Controller

- q *Microchip16F72 based application*
- q *Compact size , still feature rich with 2 set points*
- q *Ideal for industrial hazardous environment and non contact level sensing*

13 Water level controller with multiple pump selection feature.

- q *Microchip16F676 based application*
- q *Multiple features to balance AC load and to save power*
- q *Customer: STULZ*

Other Electronic Developments and Productions

- 1 Electronic Ballasts for T8 Fluorescent Lamps (single as well as dual)*
- 2 Industrial Electronic Ballasts for T8 Fluorescent lamps (single/dual IC based)*
- 3 Electronic Ballasts for UV Tubes (from 8 watts to 75 watts with preheat feature)
(Specialisation)*
- 4 Capacitive Fan regulators*
- 5 Power savers for home applications*
- 6 Piezo buzzers*
- 7 Triac based power regulators for Geysers*
- 8 LED displays for washing machines*
- 9 Switch Mode Power Supplies of different ratings (Specialisation)*

Projects under development

1. Controller for ultra pure water generator :
 - q *Microchip 16F870 application*
 - q *Complete control of the equipment*
 - q *Customer: Ion exchange Ltd.*
2. fridge Compressor Controller:
 - q *Microchip 16F716 and MOSFET application*
 - q *Saves power by controlling torque and speed*
3. Power factor correction using Thyristor:
 - q *Microchip 16F870 application*
 - q *General industrial application*
 - q *Compact and cost effective*
4. 3phase HVAC exhaust fan controller:
 - q *Microchip 16F914 application*
 - q *Intelligent speed control and soft start*
5. BMS including Fire detection system
 - o *Microchip 16 bit controller*
 - o *Intelligent fire detection and control*

Customers who can vouch ...

- 1) Siemens Ltd.
- 2) Godrej Appliances Ltd.
- 3) Philips India Ltd.
- 4) Videocon Appliances Ltd.
- 5) Onida
- 6) Electrolux - Kelvinator Ltd
- 7) Vishay Electronics Pvt. Ltd.
- 8) Kenstar Ltd.
- 9) K P T Ltd.
- 10) Parker Hannifin USA

Company Details

Name of the Company : *Geltron Systems*

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Total Number of Employees : 120

Total factory area : 6500 sqft

Office Area : 750 sqft

Date of inception : 1980