

## Innovating Beautiful Automations

Beauto Systems was born out of three words that has shaped our thinking over the years - **Innovating Beautiful Automations!**



UNITE

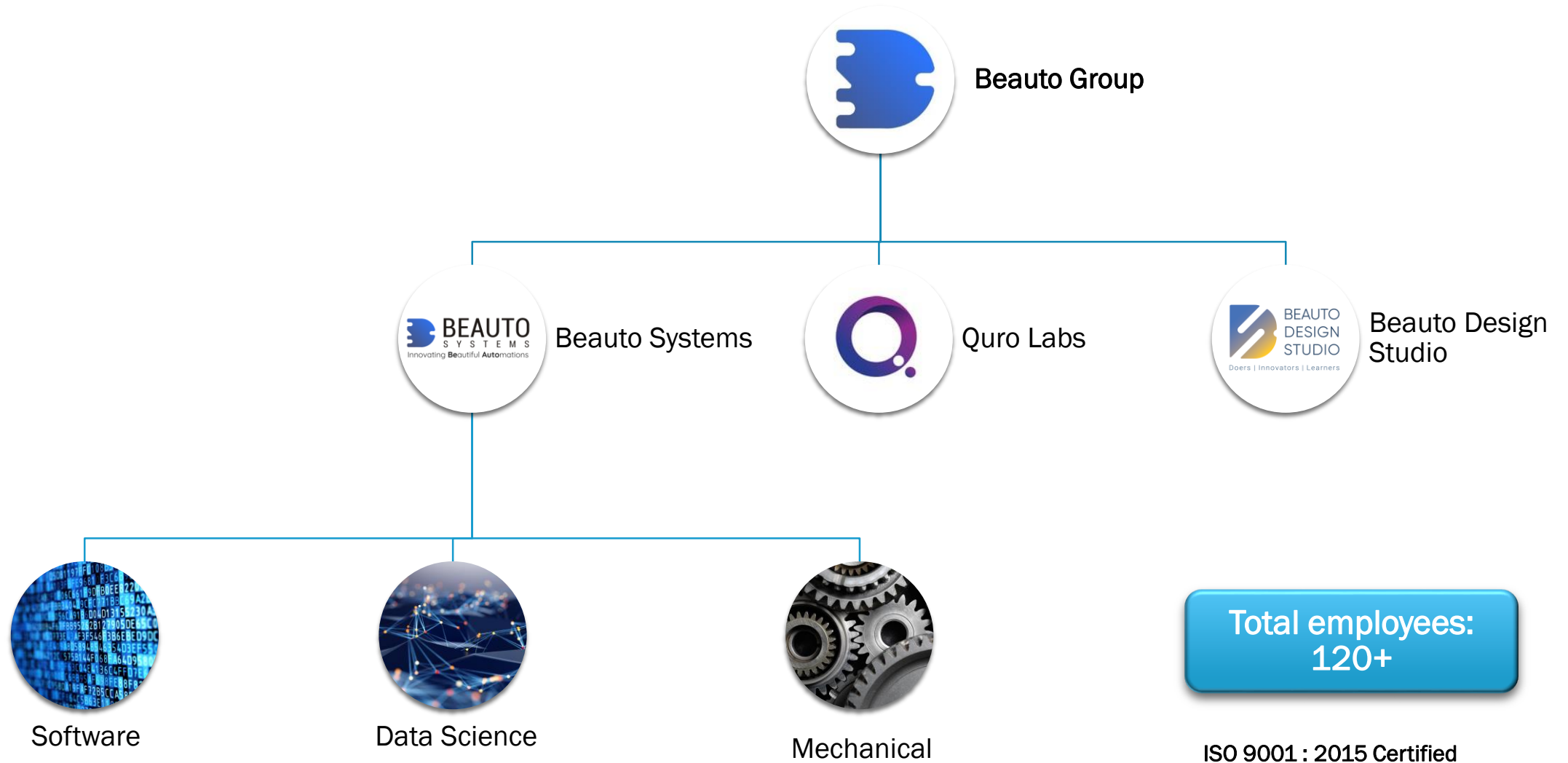


RESPECT



INNOVATE

# GROUP STRUCTURE





**RESEARCH**  
Driven



Product  
**DEVELOPMENT**



**MANUFACTURING**  
In India

We strive to create innovative advanced technology products.

# VISION & MISSION

Develop and manufacture technology products to help improve accessibility and affordability for the Indian market. Thereby supporting the goal of Make-in-India.



Design, Create & Execute differentiated projects and services by implementing latest technologies to solve clients roadblocks and drive business growth.



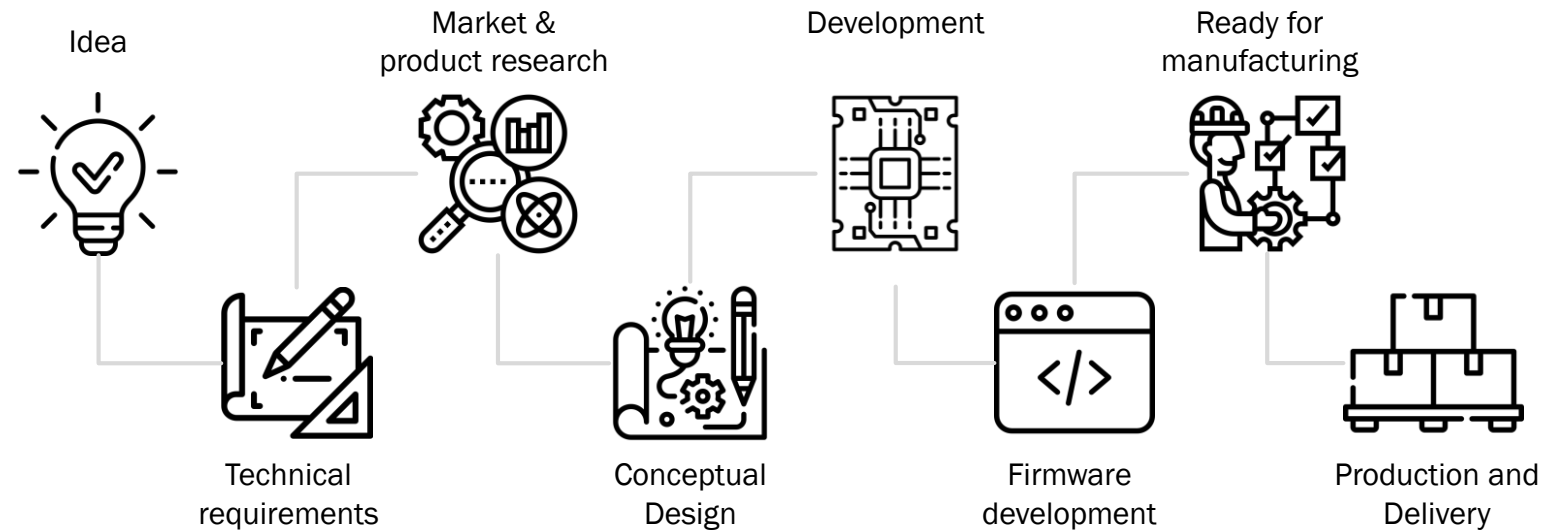
## WHO ARE WE?

We are a cross-disciplinary research driven product design and execution company with in-house manufacturing capabilities.

### Core areas:

- Industrial Automation
- Material Handling equipment
- Mechatronics & Robotics
- IoT, IIoT & Industry 4.0

## WHAT DO WE DO?



End-to-end  
Product design —> manufacturing

Ala carte  
Development & Manufacturing  
(Anything in between)



**PRODUCTS**  
**PROJECTS**  
**SERVICES**



## PRODUCTS

### AUTOMATED GUIDED VEHICLE

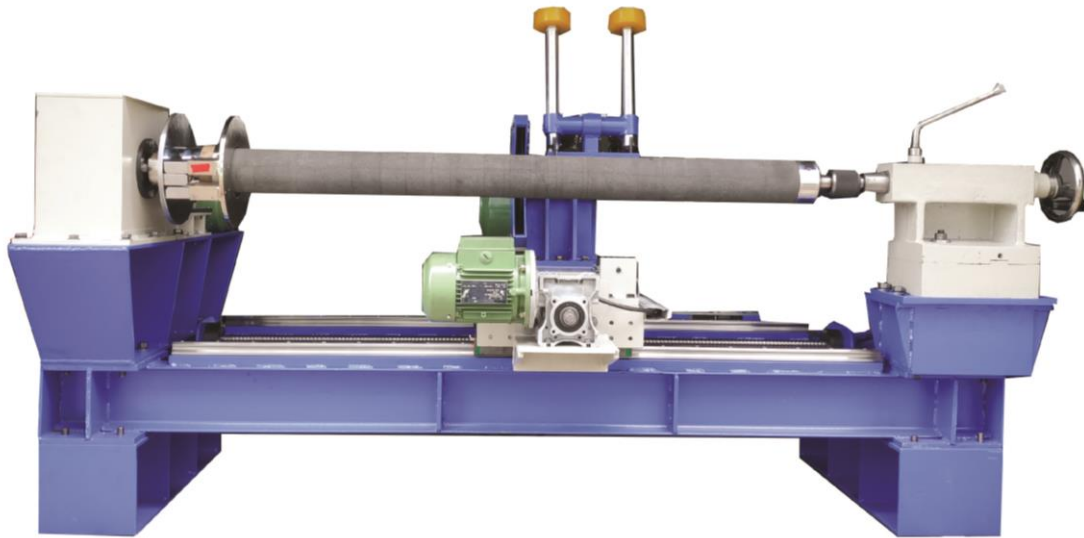
Li-ion /Traction Battery Powered  
Magnetic Tape – Navigation

Customized Automated Guided Vehicles  
are available from 50 Kg – 5000Kg



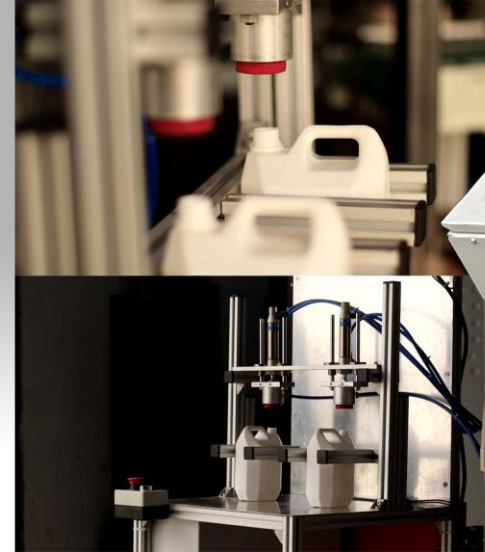
# PROJECTS

## MECHATRONICS (SPECIAL PURPOSE MACHINES)



Graphite Roll Slitting Machine

- Mechanical Design and manufacturing
- Control systems for mechatronic systems
- PLC, HMI, Sensors integration
- Communication protocols: WiFi, RS485, CANBUS, MODBUS etc
- Self diagnostics and data acquisition
- Enclosures, Panel building, cables and wire harness



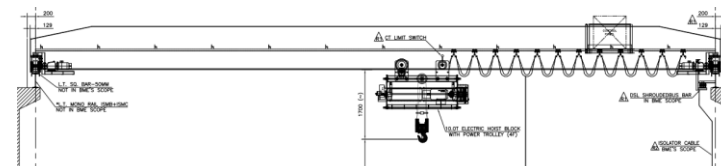
Leakage Testing Machine



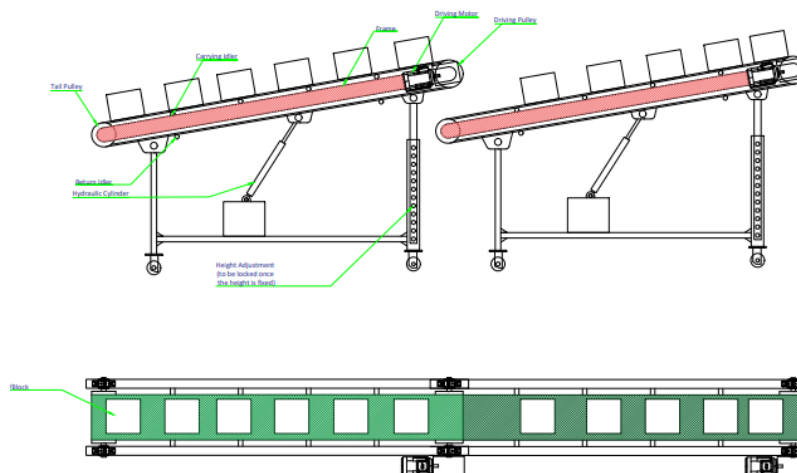
Strip Cutting Machine

In house - Embedded Systems, Control and Instrumentation  
Design, System integration, testing and commissioning

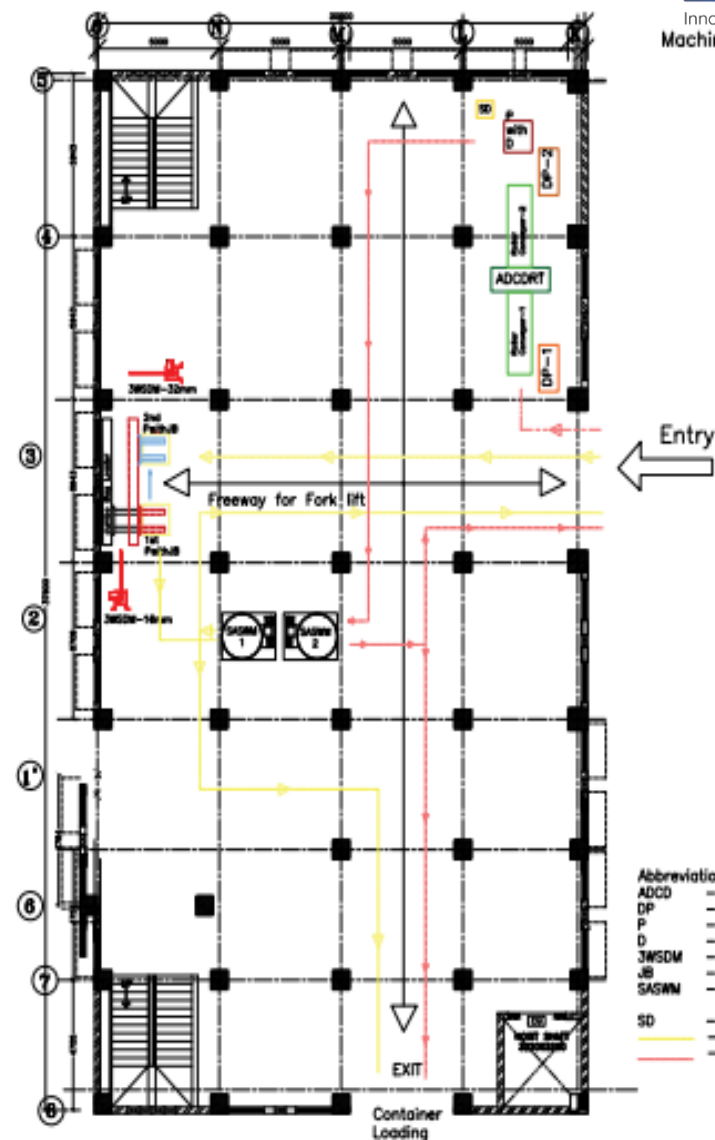




## EOT CRANE DESIGN & MANUFACTURING



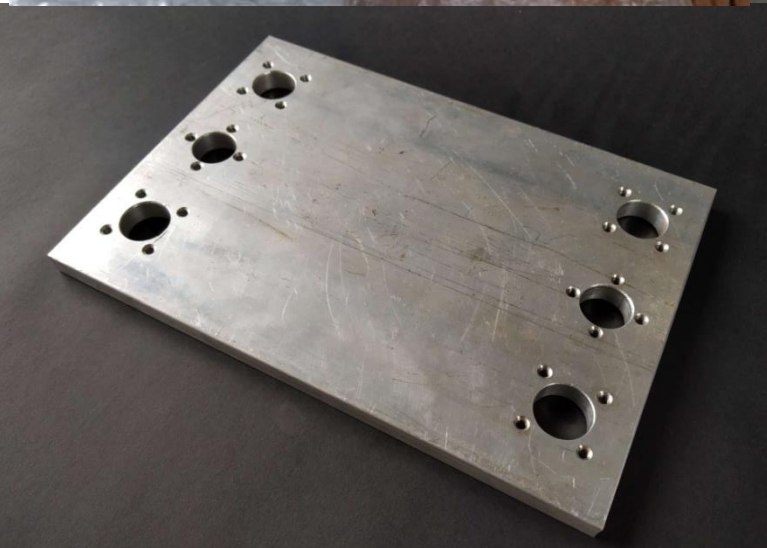
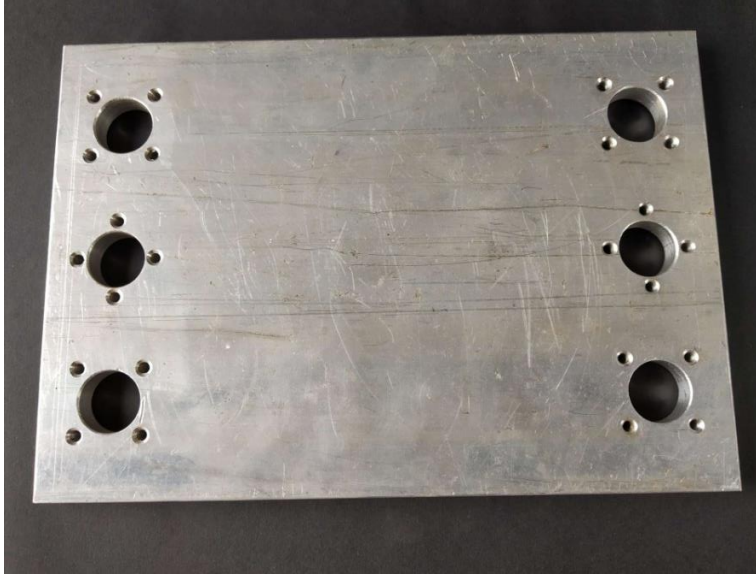
- Conveyors ( Roller & Belt type) , Stacker, Material Lifts
- Motorized Trollies & Customized Guided vehicles
- Design and detailing support



## MATERIAL HANDLING SOLUTION FOR STORAGE HOUSE

[illegible]

## MECHANICAL SERVICES – MACHINING & MANUFACTURING





## MANUFACTURING CAPABILITIES



MTR

# ELECTRONICS DIVISION

## Projects

### Industrial Product design, Prototype, manufacturing

- PCB design, layout, prototyping
- Electronic box build-up
- Concept to production
- Turnkey projects
- Examples: Timer PCBs, Motor Controllers, Touchless liquid dispensers, food vending machines

### Mechatronics

- Factory & process Automation
- Mechatronic system design
- Embedded control system
- C&I, E&I of machines
- Edge computing systems
- Predictive maintenance

### IoT applications

- IoT Smart switch
- Sensor development
- IoT & IIoT Platform
- IoT devices Data Analytics
- Remote monitoring
- Remote Control

### Industrial Automation

- Distributed Control Systems (DCS) for plants and factories
- PLC/HMI/SCADA/Sensors etc system integration
- Industrial IoT, Industry 4.0
- Panel design and assembly
- Field instruments and cabling

### Nuclear Instruments for Mining, Material handling, Stockyards

- Gamma Spectroscopy (PGNAA method) based Bulk Material Elemental Analyzer
- Microwave ash and moisture analyzer
- Manufacturing of electronic components and system integration

### Power electronics

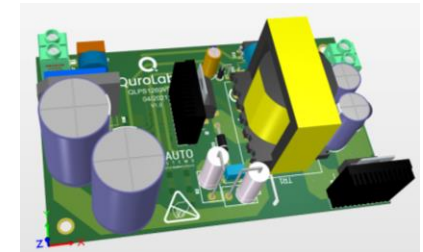
- Design and development of Switch Mode Power Supplies
- AC/DC, DC-DC converters, Inverters
- Battery Charging circuits
- Battery Management Systems (BMS)
- Motor drivers (BLDC, Servo etc)

## Internal Products

### 12V-15W SMPS



### 12V-60W SMPS

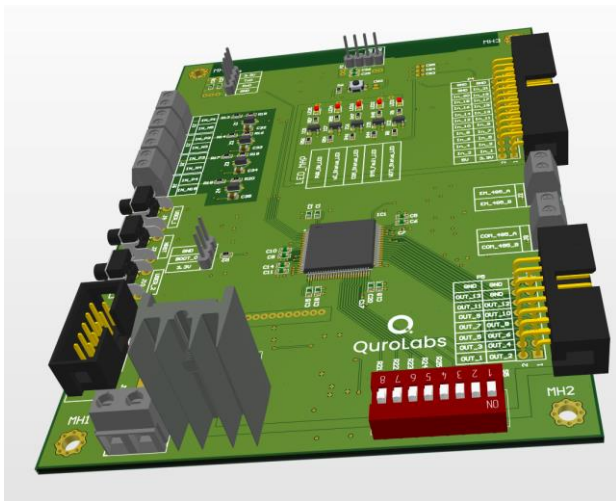


### 5V-5W SMPS

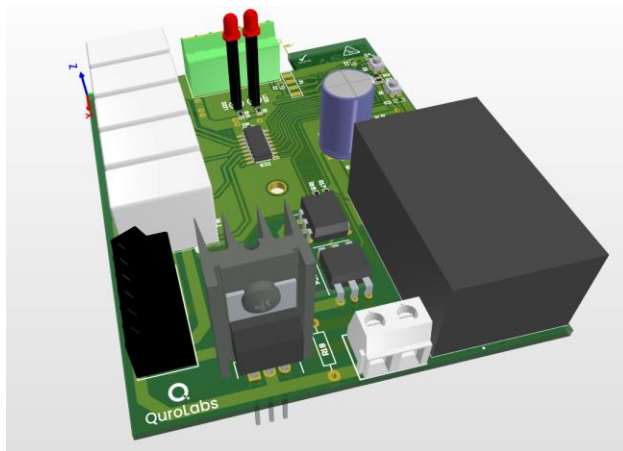




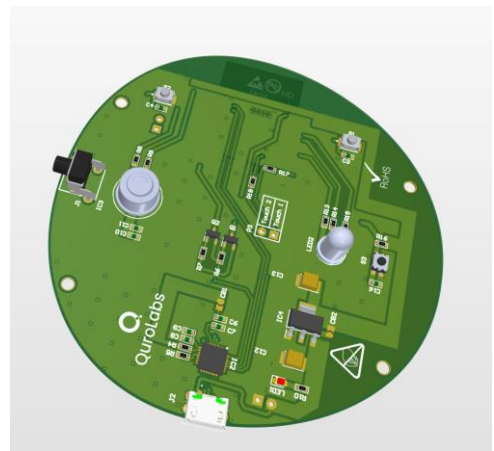
# ELECTRONIC DESIGNS & MANUFACTURING



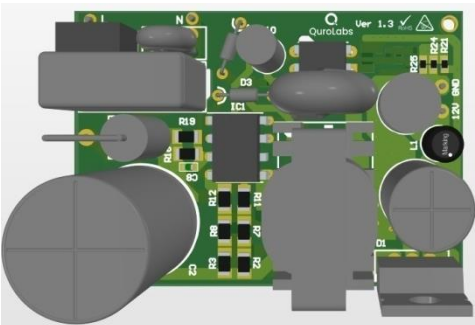
IoT Automation module



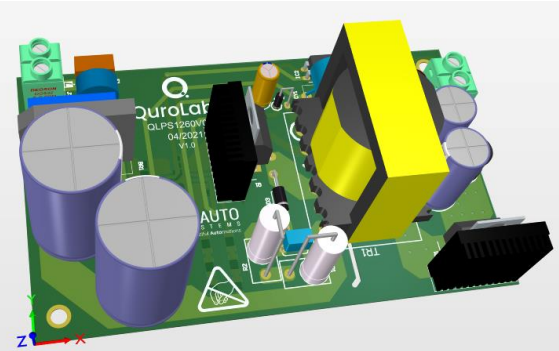
Home automation module



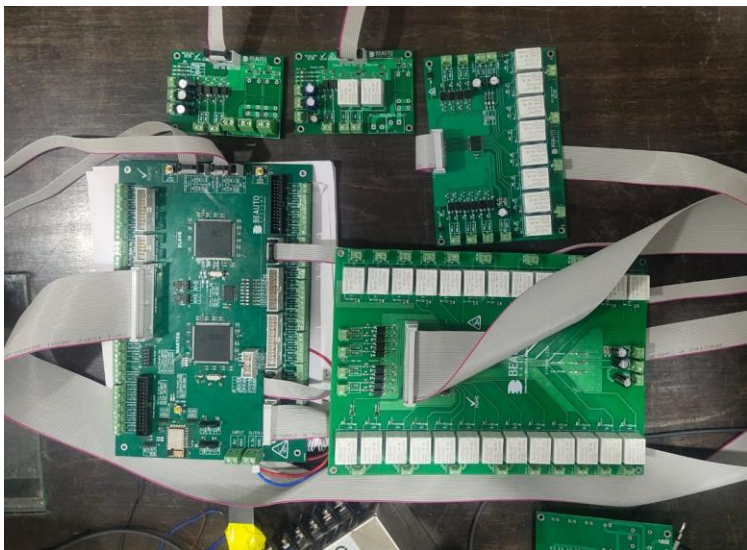
IR Temperature monitor



SMPS 12V 15W



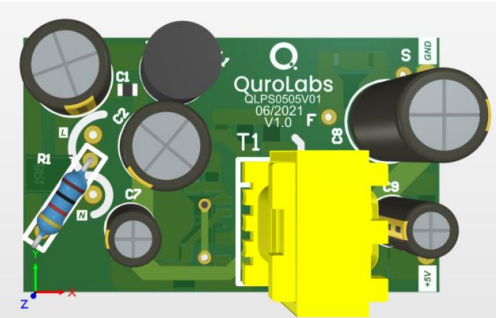
SMPS 12V 60W



ASM Master-slave PCB architecture



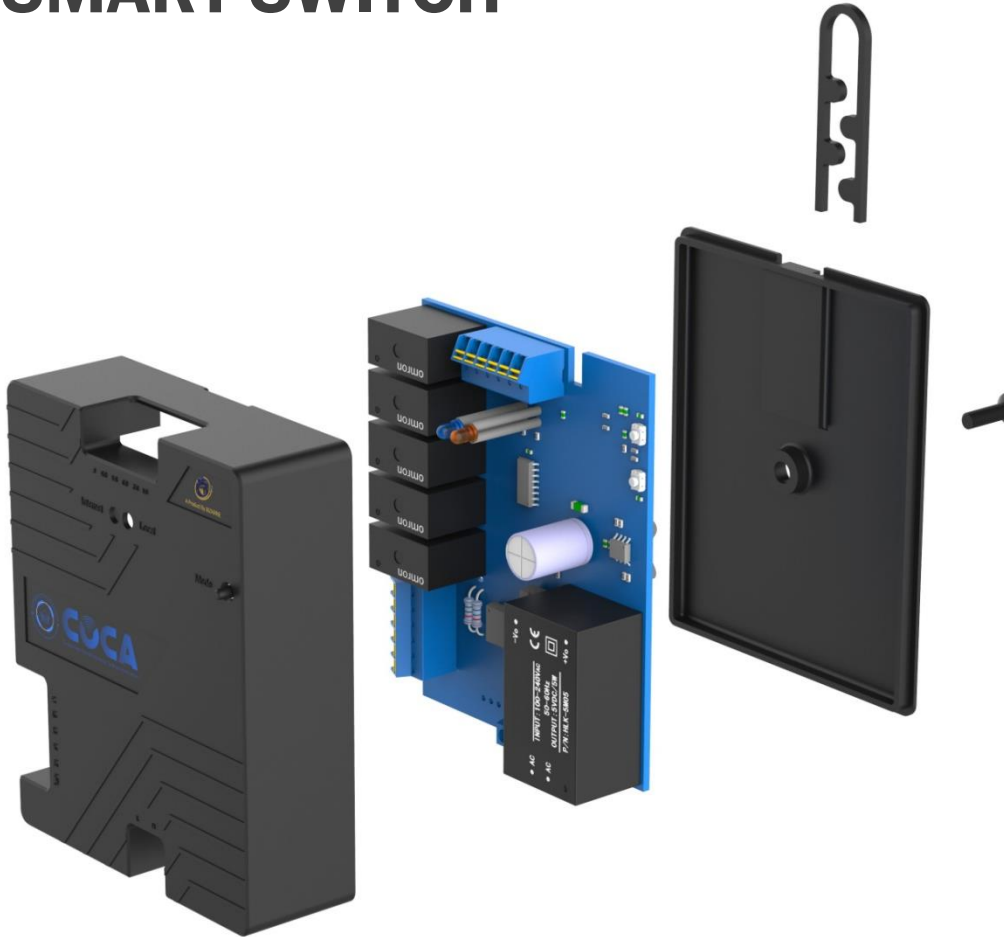
Liquid dispenser



SMPS 5V 5W

Design, Development, Manufacturing

# IOT SMART SWITCH



Product Design | Hardware Design | App | Cloud | Web based Admin Control Panel

Turnkey Development and Manufacturing

# CLIENTS



**BHARAT FORGE**



**Royal Tern Industries**



**accupack (India)**

...and many more





Our Electronic Division - M/s Quro Labs is recognized as a startup by  
The Department for Promotion of Industry and Internal Trade



Incubated under **TexMin**, under the aegis of the "National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)" program by the Department of Science & Technology (DST), Govt of India, and Indian Institute of Technology (Indian School of Mines), Dhanbad.





**THANK YOU**

**CONNECT WITH US**

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