



GRIYA AUTOMATION PVT. LTD



THE COMPANY PROFILE

2025



NO.19, RAILWAY STATION ROAD,
KORATTUR, CHENNAI - 600 080



Our team brings decades of expertise in automation and machine building, focused on providing cutting-edge, customized solutions. We emphasize creativity, reliability, and continuous improvement in all our projects, fostering strong, lasting partnerships to drive the evolution of technology.



ABOUT COMPANY

We are a new startup company with a team of experienced professionals, with 15 to 20 years of expertise in automation and machine building. Our focus is on delivering innovative, tailored solutions for special-purpose machines and automation systems. Committed to excellence, we aim to build long-lasting relationships with clients based on trust and collaboration. Together, we are shaping the future of automation through cutting-edge solutions.



OUR SERVICES

Company

We offer specialized manufacturing services, including bespoke solutions and automation systems designed to optimize efficiency. Our prototype development accelerates testing, while our rigorous quality control guarantees top-tier standards, always surpassing client expectations. With a commitment to innovation and accuracy, we aim to provide dependable, cost-efficient solutions for every project. Our experienced team collaborates closely with clients to ensure smooth integration and outstanding outcomes.

Design & Manufacturing of

- Special Purpose Machine
- All type Jig, Fixtures, Pressing Tools.
- All type of Leak Testing Machines & Test Rigs.
- All type of Hydraulic Power Pack.
- All type of Conveyors.
- PLC, HMI Panel wiring with programming.
- Vision Camera with Robot System
- All type of Fabrication works.



OUR HIGHLIGHTED PROJECT

Project 1 - Washer Assembly Machine

The Washer Assembly Machine uses components (Plastic Clip & Foam Washer) fed through a bowlfeeder, aligned at an 8-station induction system used by servo motor. This automation reduces manual labor, increasing efficiency and lowering costs.



Project 2 - Rivet Pressing and Laser Engraving Machine

The Rivet Pressing and Laser Engraving Machine automates the attachment of nameplates using a pneumatic cylinder-driven rivet pressing mechanism, followed by precise laser engraving for intricate designs.



Project 3 - Clip Locking Machine

The Clip Locking Machine utilizes a pneumatic cylinder to automatically engage and secure male and female plastic clips fed by bowlfeeder, which are indexed 360 degrees rotation(Induction Motor with gear box) with a cam mechanism. The system ensures precise locking through controlled pneumatic force, enhancing process accuracy and efficiency.



Project 4 - Tilting Machine

The Tilting Machine, powered by a motor, efficiently tilts heavy components with precision, reducing manual effort and enhancing operational safety and efficiency. It also utilizes a hydraulic power pack for leak testing, ensuring thorough inspection and reliable performance.



Project 5 - Conveyors

The conveyor system efficiently transports materials across different stages of the production process, ensuring smooth and continuous flow. This automation reduces manual handling, improves productivity, and minimizes operational downtime.



Project 6 - Leaf Springs Assembly With Chain Conveyor

The Leaf Springs Assembly, integrated with a chain conveyor for continuous production, utilizes a hydraulic system to clamp and tighten the center nut & bold assembly for torquing.



Project 7 - Dipole & PCB Board Assembly Machine

Three robots equipped with camera systems are used for PCB board assembly. The first robot picks and places the components onto the required pallet, while the other two robots pick and position the dipoles onto the PCB board using their camera systems.



Project 8 - Bush Pressings Machine

The Bush Pressing Machine machine automates the precise insertion of Bush by Hydraulic Cylinder, ensuring secure fitting and enhancing assembly efficiency with minimal manual labor.



Project 9 - Embossing QR Code Machine

Different types of tanks with various heights, controlled by a servo motor, and incorporates laser marking for precise embossing of QR codes.



Project 10 - PLC Panel Wiring with Programming

We specialize in PLC panel wiring, connecting inputs and outputs for automated control. With custom programming, we ensure optimal system performance. Whatever PLC type or concept you need, we are capable of delivering tailored solutions to meet your requirements.





CONTACT INFORMATION



Let's Connect
With Us!



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