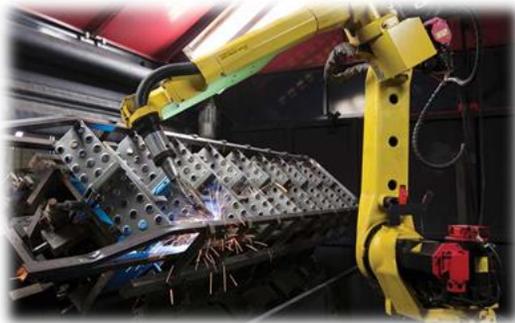




**AUTOMATION
SOLUTIONS**

CORPORATE PROFILE



S&J AUTOMATION SOLUTIONS

Professional CNC Retrofitting | SPM | PLC Programming

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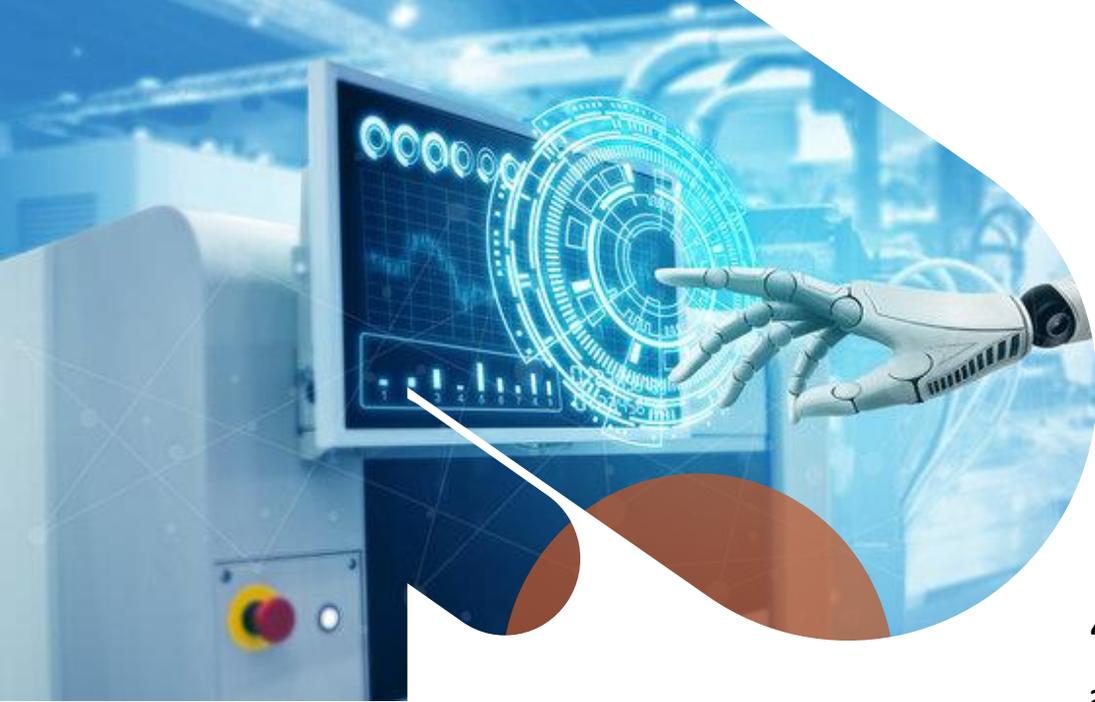
ABOUT US :

S & J AUTOMATION SOLUTIONS

We are a leading manufacturer of Special Purpose Machines (SPMs), Robotic solutions and a trusted provider of automation services. Established in 2012, we began with services like CNC retrofitting, robot integration, and the supply of robot spare parts to multiple industries. Over the years, we have evolved into a full-fledged manufacturer, designing and delivering customized Special Purpose Machines tailored to our customers' unique needs.

With over 12 years of expertise, we pride ourselves on our commitment to innovation, precision, and exceptional customer satisfaction. Our dedicated and dynamic team of young, enthusiastic professionals is passionate about shaping the future of factory automation.

At S&J Automation Solutions, we strive to provide cutting-edge automation solutions that empower businesses to optimize their operations and achieve excellence.

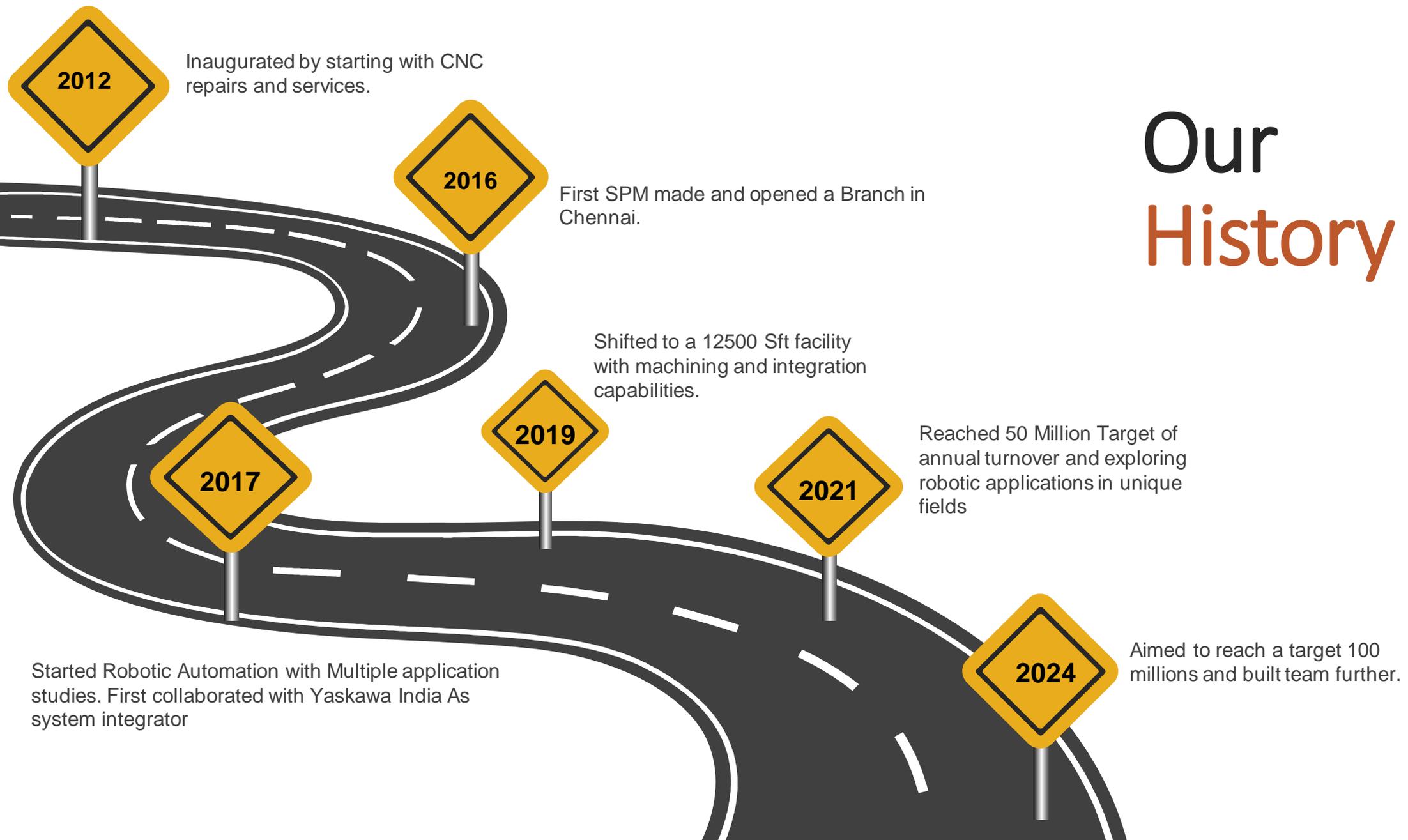


Our Vision

“ To be a leader in delivering innovative and customized automation solutions, setting benchmarks in quality, reliability, and technological excellence”

“We aim to empower industries with cutting-edge engineering, efficient operations, and exceptional customer service, driving progress and creating a sustainable future for manufacturing and automation ”

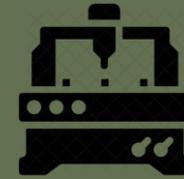
Our History



Our Services



Our robotics segment specializes in multiple applications, including welding, material handling, and machine tending. These advanced solutions are designed to enhance efficiency and significantly reduce cycle times, ensuring optimized performance for your operations.



With over 300 CNC retrofits completed, we have mastered retrofitting nearly any type of CNC for a wide range of industrial applications. Additionally, we provide comprehensive post-retrofit services, ensuring the machines perform like new



We specialize manufacturing a wide range of Special Purpose Machines (SPMs) to meet specific industrial needs. Our expertise includes **filament winding machines, toroidal winding machines, carriage assembly systems, welding SPMs, and advanced control panels**. Each machine is engineered with precision, ensuring innovative designs, robust engineering.

PROCESS FLOW

Component Study and Requirement Analysis Concept



Concept Development and Proof of Concept



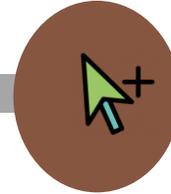
Design and Engineering



Simulation and Feasibility Analysis



Robot Selection and Tooling Design



Post-Installation Support and Maintenance



Operator Training and Handover



Installation and commissioning



Inspection and FAT



System integration and testing

Special Purpose Machines

Our expertise lies in designing and manufacturing a wide range of Special Purpose Machines (SPMs) that cater to various industrial needs.

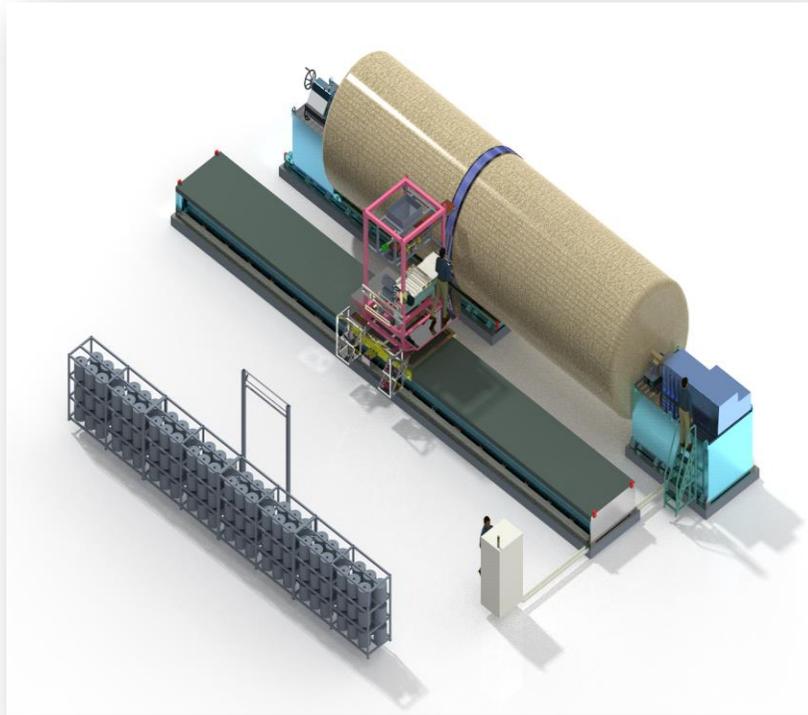
- **Mandrel Winding Machines:** Precision-engineered machines for high-quality mandrel winding applications, ensuring efficiency and consistency.
- **Toroidal Winding Machines:** Advanced machines designed for producing toroidal components with accuracy and speed.
- **Pole Grinding Machines:** Built for precise grinding of poles, enhancing productivity and product quality.
- **Cross Slides:** Robust and versatile cross slides for seamless movement and accuracy in machining operations.
- **Vertical Winding Machines:** Specialized machines for vertical winding tasks, providing enhanced reliability and performance.
- **Control Panels:** High-performance, custom-built control panels to ensure smooth operation and monitoring of all machinery.

Each of our machines is tailored to meet specific application requirements and is designed with user-friendly operations, durability, and superior engineering in mind



Filament Winding Machines

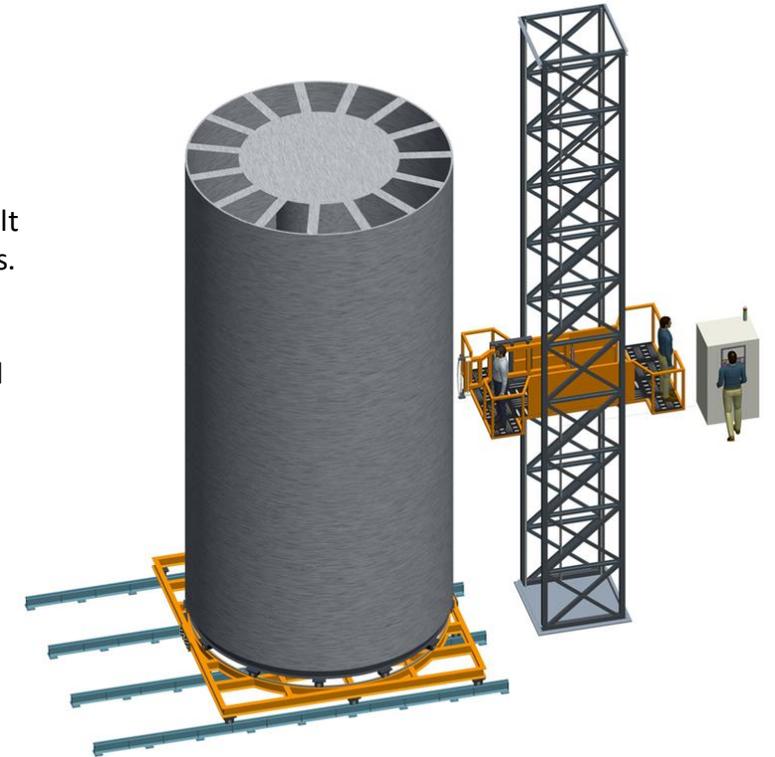
Our expertise is in filament winding machines, Filament winding is the process of winding fiber material and resin around a shape known as mandrel to create a composite product. The process of filament winding is typically used to create circular composite products with a hollow core..



Details:

We take pride in having delivered over 20 high-quality filament winding machines, all custom-designed and built to meet the unique requirements of specific applications. These machines are engineered for reliability and performance and are successfully operating at client facilities, showcasing our commitment to excellence and customer satisfaction.

- 2 - 5 AXIS FILAMENT WINDING MACHINE
- GANTRY TYPE FILAMENT WINDING MACHINE
- VERTICAL FILAMENT WINDING MACHINE
- TOROIDAL WINDING MACHINE



ROBOT APPLICATIONS

We collaborate with leading robot manufacturers, selecting the best fit for each application based on factors such as price, model, and specific application requirements. This tailored approach ensures optimal performance, cost efficiency, and reliability for every project.



ARC WELDING

Robotic arc welding is widely used in industries requiring high precision, consistency, and efficiency in welding processes. The components we welded are :

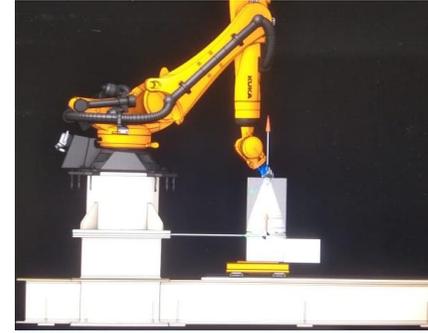
- Window/Door Frames
- Scaffoldings
- Automobile



MACHINE TENDING

To increase the productivity and reduce the cycle time we suggest to go with machine tending application. We had good experience with 2&3 CNC machines with 1 robot

- Automobile parts



MACHINING

Robotic machining allows you to flexibility, scalability, precision and cost effective solutions. We did supply robot for unique machining applications like :

- Defense parts
- Aluminum parts
- Buffing



OTHERS

We specialize in unique and diverse applications, including :

- Tile manufacturing,
- Film loading and unloading,
- End-of-line palletizing.

Leveraging our expertise, we provide end-to-end solutions by designing and delivering complete systems tailored to specific requirements.

Our Projects

We take pride in our extensive experience across diverse robotic applications, collaborating with multiple robot manufacturers to deliver tailored solutions. Our core team excels in advanced robotic programming, tracking systems, vision technology, and cutting-edge software integration.

Here are some of our recent projects:

1. Robotic Tile manufacturing system
2. Scaffolding welding
3. Automobile parts welding
4. Missile child part drilling & Milling
5. CNC Machine tending
6. Handling of child parts

Each of our robotic solutions is custom-designed to meet specific application requirements, ensuring user-friendly operation, exceptional durability, and superior engineering. We are committed to delivering innovative, reliable, and efficient robotic systems that empower industries to achieve new heights of productivity and quality



OUR CLIENTS



THANK YOU



Head Office

Phase 4, Rd Number 72, beside
substation, Jeedimetla,
sales@sjautomations.com

+91-9959585952

Branch Office

No 36th Street,
Kamaraj Nagar, Korattur,
Chennai, Tamilnadu -600080
sales@sjautomations.com

