



RN AUTOMATION
YOUR TRUSTWORTHY MACHINE REPAIRMAN

COMPLETE INDUSTRIAL AUTOMATION AND MACHINE SOLUTIONS

RN Automation specializes in industrial automation, PLC control panels, robotics integration, machine retrofitting, and custom automation solutions for manufacturing industries. We also excel in **On-site assistance**.



OUR CORE SERVICES



ON SITE SERVICE

Reliable support when you need it most.



CONTROL PANEL MANUFACTURING

Custom-built panels engineered for safety, efficiency and performance.



MACHINE RETROFITTING

Upgrade and enhance your machines for better productivity and longer life.



INDUSTRIAL AUTOMATION

End-to-end automation solutions to improve processes and maximize output.



SPM MANUFACTURING

Special Purpose Machines built to match your unique application requirements.



RELIABLE
SOLUTIONS



QUALITY
ASSURANCE



ON TIME
DELIVERY



EXPERIENCED
ENGINEERS



DEDICATED
SUPPORT



CONTACT OUR
EXPERTS TODAY



8939191904



support@rnautomation.org



www.rnautomation.org



3rd layout, sarathy nagar extension,
teacher's colony, lakshmipuram,
chennai, Tamilnadu, chennai 600099

CONTROL PANEL ENGINEERING SOLUTIONS

PLC, CONTROL & DISTRIBUTION PANELS

Engineered for reliability, built for performance.

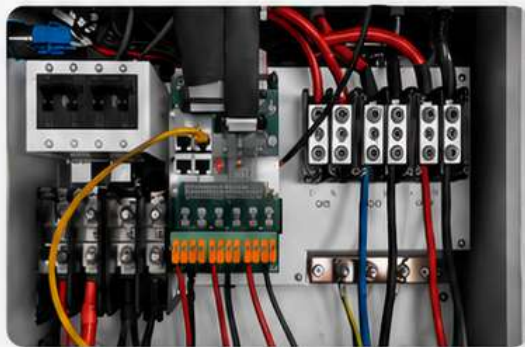
Our control panels are designed and manufactured using high-quality components and industry best practices to ensure safe, efficient, and uninterrupted operations in demanding industrial environments.



PANEL HIGHLIGHTS

-  Custom design as per process requirement
-  High quality components & neat wiring
-  Safety interlocks and protections
-  Easy operation, maintenance & expansion
-  100% functional testing before dispatch
-  Compliance with industry standards

INSIDE OUR PANELS



- Neat & Safe Wiring
- Quality Components
- Proper Labeling
- Tested & Verified
- Built for Long-Term Reliability

OUR PANEL SOLUTIONS



PLC PANELS

Advanced PLC panels engineered for precise control, process automation and seamless machine integration.



DISTRIBUTION PANELS

Reliable power distribution panels designed for efficient and safe power management.

- PCC, MCC, APFC & DB
- Incoming & Outgoing Protection
- Load Management
- Compact & Robust Design



CONTROL PANELS

Custom control panels built for smooth operation and process control in industrial applications.

- Motor Control Centers
- Process Control Panels
- Automation Control
- Operator Friendly Interface

CAPABILITIES

-  Custom Design & Engineering
-  PLC & HMI Integration
-  VFD & Servo Integration
-  Short Circuit Protected
-  Industrial Grade Components
-  Fully Tested & Quality Assured

OUR ENGINEERING PROCESS



**SMARTER SYSTEMS.
STRONGER INDUSTRIES.**

AUTOMATION THAT THINKS. SOLUTIONS THAT WORK.

We design, integrate and deliver intelligent automation solutions that optimize operations, drive efficiency and future-proof industries.



INTELLIGENT SYSTEMS

Smart automation with real-time data and smarter decision-making.



SEAMLESS INTEGRATION

End-to-end integration of hardware, software and networks.



MAXIMUM PERFORMANCE

Engineered for reliability, scalability and peak performance.



FUTURE READY

Solutions built today to adapt, evolve and lead tomorrow.



SCADA & HMI INTEGRATION

Real-time monitoring.
Centralized control.
Complete visibility.

OUR CORE SOLUTIONS



PLC & CONTROL SYSTEMS

Reliable and efficient control systems tailored to your industrial processes.



SYSTEM INTEGRATION

Seamless integration of electrical, mechanical and software systems for maximum efficiency.



TROUBLESHOOTING & SUPPORT

Fast diagnostics and expert support to minimize downtime guaranteed.



UPGRADES & RETROFITS

Modernize existing systems and improve performance, reliability and safety.



CUSTOMIZED SOLUTIONS

Tailored automation solutions to meet unique challenges and drive real results.

AUTOMATION INTEGRATION SOLUTIONS

ROBOTICS. WIRE. CONNECT. AUTOMATE.

We integrate robotics with precision wiring and robust cable harness solutions to create automated systems that deliver accuracy, consistency and long-term value.



ENGINEERED FOR PERFORMANCE

Solutions designed to meet exact specifications and real-world demands.



RELIABLE BY DESIGN

Built with quality materials and industry proven practices.



FOCUS ON PRECISION

Every connection, every movement, engineered to perform flawlessly.



WIRING HARNESS



Professionally engineered wiring harness solutions for control panels, machines and automation systems.

- ✓ Neat & organized wiring
- ✓ High reliability & signal integrity
- ✓ Industrial-grade insulation
- ✓ Easy installation & maintenance
- ✓ Custom design to fit your application

CABLE HARNESS



Durable cable harness assemblies built to withstand harsh industrial conditions and ensure consistent performance.

- ✓ Custom lengths & configurations
- ✓ Heavy-duty & flexible cables
- ✓ Secure connectors & terminals
- ✓ Abrasion, heat & vibration resistant
- ✓ 100% electrical continuity test

ROBOTICS & AUTOMATION



Complete robotic automation solutions for material handling, assembly, welding, inspection and more.

- ✓ Robot selection & integration
- ✓ Pick & place & palletizing
- ✓ Welding & dispensing applications
- ✓ Vision & sensing integration
- ✓ Safety design & system programming

APPLICATIONS



AUTOMOTIVE



ELECTRONICS



PACKAGING



FOOD &
BEVERAGE



PHARMACEUTICAL



TEXTILE

ENGINEERING & PRODUCTION PROCESS



REQUIREMENTS

We analyze your needs and define the solution.



DESIGN

Detailed engineering using advanced tools.



ASSEMBLY

Precision assembly with skilled workmanship.



TESTING

Rigorous testing at every stage of production.



DELIVERY

On-time delivery ready for deployment.

TESTING & RELIABILITY



Continuity Testing



Insulation Resistance Testing



Connector Retention Testing



Functional Testing



Visual Inspection



Label & Documentation Check



SPECIALIZED INDUSTRIAL SOLUTIONS

POWERING PERFORMANCE. ENHANCING RELIABILITY.

- ✓ Advanced robotics for smarter, safer operations
- ✓ Engineered for precision, speed & consistency
- ✓ Improve productivity and reduce downtime
- ✓ Scalable solutions tailored to your needs
- ✓ Built for reliability. Designed for the future.



MODERNIZE. OPTIMIZE. FUTURE-PROOF.
Smart solutions for a smarter industry.

OUR SPECIALIZED SOLUTIONS

01 MACHINE RETROFITTING



Upgrade legacy machines with modern controls for improved safety and performance.

- ✓ Control System Upgrades
- ✓ Electrical Panel Replacement
- ✓ HMI & Drive Integration
- ✓ Safety Enhancement
- ✓ Performance Improvement

02 AC DRIVES (VFD)



Precise motor control and energy efficiency with advanced AC drive solutions.

- ✓ VFD Supply & Installation
- ✓ Motor Speed Control
- ✓ Energy Optimization
- ✓ Soft Start / Soft Stop
- ✓ Multiple Motor Control

03 SAFETY & EMERGENCY SYSTEMS



Protect your people and operations with reliable safety and emergency control systems.

- ✓ Emergency Stop Systems
- ✓ Safety Relays & Interlocks
- ✓ Light Curtains & Sensors
- ✓ Safety PLC Solutions
- ✓ Machine Safety Compliance

04 INDUSTRIAL RELAYS & CONTROL COMPONENTS



High-quality components for dependable and efficient machine operation.

- ✓ Control Relays
- ✓ Timers & Counters
- ✓ Contactors & Overloads
- ✓ Interface Relays
- ✓ Protection Components

05 SMART PARKING SYSTEMS



Intelligent parking automation for seamless access, management and security.

- ✓ Boom Barrier Systems
- ✓ RFID / ANPR Integration
- ✓ Parking Guidance Systems
- ✓ Centralized Management
- ✓ Automated Billing Integration

OUR CAPABILITIES



ADVANCED SYSTEM MODERNIZATION

Extend machine life with smart automation upgrades.



DRIVE & MOTION CONTROL

Precision drive solutions for every industrial application.



INDUSTRIAL SAFETY INTEGRATION

Implement safety systems that meet global standards.



RELAY LOGIC SOLUTIONS

Robust control logic using industry-proven components.



SMART AUTOMATION SYSTEMS

End-to-end automation for smarter and safer operations.



ON-SITE SUPPORT & SERVICE

Installation, training and after-sales support you can rely on.



**BUILT FOR INDUSTRY.
ENGINEERED FOR EXCELLENCE.**
Delivering measurable results with every solution.

OUR ENGINEERING PROCESS



01 ASSESSMENT

We analyze your systems and understand your requirements.



02 SOLUTION DESIGN

Customized solution design for optimal performance.



03 INSTALLATION

Professional installation using best practices with minimal downtime.



04 TESTING & VALIDATION

Rigorous testing for safety, quality and reliability.



05 TRAINING & HANDOVER

User training and smooth handover for seamless operations.



06 SUPPORT

Ongoing support and service for long-term performance.



PRECISION IN EVERY TURN.
PERFORMANCE IN EVERY DETAIL.

PRECISION LATHE & DRO WORKS

Precision measured.
Accuracy delivered.



HIGH
ACCURACY



RELIABLE
PERFORMANCE



BETTER
PRODUCTIVITY



HIGH PRECISION
±0.005 mm
Accuracy



SMOOTH FINISH
Better Surface
Quality



REDUCED DOWNTIME
Improved Machine
Efficiency



ENHANCED PRODUCTIVITY
Higher Output
Lower Rejection



QUALITY ASSURED
Tested. Verified.
Delivered.

OUR LATHE & DRO SOLUTIONS

01 DIGITAL READOUT (DRO) INSTALLATION



High-accuracy digital positioning systems for manual lathes and milling machines.

- 2 Axis / 3 Axis DRO
- Glass Scale Integration
- Reliable & Easy Operation

02 LATHE MACHINE CALIBRATION



Restore machining accuracy through precision alignment and calibration.

- Spindle Runout Check
- Geometric Alignment
- Backlash Adjustment

03 PRECISION MACHINING



Accurate turning operations for shafts, bushes, sleeves and custom components.

- Close Tolerance Machining
- Superior Surface Finish
- Consistent Quality

04 LINEAR SCALE INSTALLATION



Professional installation of glass scales and encoder systems.

- Glass Scale Mounting
- Cable & Bracket Setup
- Precise Integration

05 ACCURACY TESTING & QUALITY VERIFICATION



Inspection and dimensional verification after installation for guaranteed accuracy.

- Dimensional Check
- Accuracy Report
- Quality Assurance

OUR CAPABILITIES

DRO
INSTALLATION

GLASS SCALE
MOUNTING

MACHINE
CALIBRATION



SPINDLE
ALIGNMENT

PRECISION
MEASUREMENT

ACCURACY
VERIFICATION

PRECISION TOOLS. PERFECT RESULTS.

- Dial Indicators
- Micrometers
- Vernier Calipers
- Linear Encoders
- Precision Cutting Tools
- Quality Components



APPLICATIONS

TOOL ROOMS

PRECISION
ENGINEERING

MACHINE
SHOPS

EDUCATIONAL
INSTITUTIONS

MAINTENANCE
WORKSHOPS

SMALL & MEDIUM
INDUSTRIES

WHY CHOOSE OUR LATHE & DRO WORKS?

- ✓ Experienced Engineers
- ✓ Timely Execution
- ✓ Premium Quality Components
- ✓ Cost Effective Solutions
- ✓ High Accuracy & Reliability
- ✓ Customer Satisfaction



01
INSPECTION
Thorough machine
inspection & assessment



02
MEASUREMENT
Accurate measurement
& data collection



03
INSTALLATION
DRO / Linear scale
installation



04
CALIBRATION
Precision calibration
& alignment



05
ACCURACY VERIFICATION
Testing & accuracy
verification



06
FINAL TESTING
Performance test
& quality check



07
CUSTOMER HANDOVER
Report, training &
smooth handover

INDUSTRIES WE SERVE

AUTOMATION SOLUTIONS.
POWERING EVERY INDUSTRY.

From precision manufacturing to process industries, RN Automation delivers reliable, innovative, and cost-effective automation and machine repair solutions that keep your operations running at peak performance.



EXPERTISE

Skilled team with deep industry knowledge and hands-on experience.



RELIABILITY

Solutions built for continuous performance and long-term value.



INNOVATION

Advanced technology and smart automation for tomorrow's challenges.



SUPPORT

Responsive service and support whenever you need us.



ONE PARTNER. COUNTLESS POSSIBILITIES.

Whatever your industry, our automation solutions are designed to improve efficiency, reduce downtime, and drive sustainable growth.



RN AUTOMATION

YOURS PROFESSIONAL MACHINE REPAIRMEN

BRANDS WE DEAL WITH

We proudly collaborate with globally trusted brands to deliver high-quality automation products and solutions that ensure reliability, efficiency, and long-term performance.



**TRUSTED PARTNERS.
SUPERIOR SOLUTIONS.**

Our strong partnerships with leading global brands enable us to provide advanced automation solutions that drive your success.



SIEMENS



OMRON

ABB



TOSHIBA



Autonics

SELEC
Creating Best Value



JANATICS
Pneumatic

FESTO



QUALITY YOU CAN TRUST

We work only with the best-in-class brands to ensure superior quality, safety, and performance.



GLOBAL STANDARDS

Our solutions are built to meet international quality and safety standards.



STRONG PARTNERSHIPS

Long-standing relationships with leading brands to bring you reliable solutions.