



MadoX

TECHNOLOGIES



**ACCELERATE SMART
MANUFACTURING WITH
ROBOTICS**

"EXPLORING SOLUTIONS TOGETHER TECHNOLOGICAL EXCELLENCE AND DOMAIN EXPERTISE"

Madox Technologies Pvt. Ltd. is a leading engineering & manufacturing solution company incorporated in 2009. We operate in three business verticals like robotic solutions, control & automation solutions, and engineering service solutions. We believe in pushing our boundaries of the technological world and helps our clients in automating their factories. Certified with various global clients, we enjoy serving you and your industry by formulating, fabricating, and integrating automation solutions.

Having rich experience of 10+ years in the field of robotics with a team size of 100+ employees, we are enthusiastic to become a well-known brand in the sphere of Industrial Automation. Our Robotic solution offerings are beyond conventional and the application portfolio is wide-ranging to cater to all industrial verticals. We also carry a proven track record of 400+ successful robotic systems installations across the country on various applications.

Our turnkey robotic automation solutions start from conceptual design with a holistic approach till commissioning. We begin our projects carefully understanding all the customer requirements and asking ourselves how we can help enhance their experience and efficiently integrate a robotic solution into their production. Our experienced in-house team of engineers evaluates the specialized needs of your application while integrating the latest technologies to work with it. We provide hardware and software solutions from the world's leading manufacturers because we know what it means for a manufacturing company to have a factory that is at a standstill or otherwise not utilizing its full potential. That's why simplicity, reliability, and low maintenance are paramount in our solutions



MAKE YOUR FACTORY SMART

The smart factory is becoming reality, as manufacturers take advantage of the latest in machine learning, big data, and robotics for new levels of efficiency and competitiveness. Madox helps its clients in smartening their factories by providing robotic automation solutions and by introducing collaborative robots or mobile robots to their production line. We also help in digitalizing the factory with our industrial IoT solutions. At madox, we want to find the right solutions for digitalization and robotics that will quickly lead to the highest profitability and productivity growth for our customers.



ROBOTIC WELDING



We offer turnkey Robotic Arc Welding & Robotic Spot-Welding solutions to our customers from various industries. In Arc welding technology we are specialized in both Robotic Tig Welding & Robotic Mig Welding. Our Welding solution covers the design & supply of sophisticated mechanical fixtures, Turntable, Swivel Tool Changer, Workpiece positioners, Safety systems, and IoT-enabled control systems.

Identifying the type of robotic welding system will determine the type of welding process you require. MadoX offers turnkey solutions to different types of robotic welding, including resistance Spot Welding, Laser welding, Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Thin Gauge Arc Welding, Plasma welding, Laser Hybrid Welding, etc



We have an excellent track record on various welding applications on a variety of metals like Mild Steel, Aluminium, Stainless steel etc. We integrate the robot with all world's leading manufacturers of welding power sources like

Fronius

KEMPPi

**LINCOLN
ELECTRIC**

JL OBARA

Miller

ROBOTIC MACHINE TENDING



Robotics machine tending implementation in manufacturing industries are going up rapidly due to the benefits like increased productivity, better quality, lesser manpower involvement, safety, overhead reduction, etc. We are dedicated to offering a customized tending solution with better cycle time and great flexibility. Our solution offering includes the automation of additional manual works done by humans like,

- ▶ Part Inspection
- ▶ Part Conveying
- ▶ Marking
- ▶ Blow Off
- ▶ Washing
- ▶ Deburring
- ▶ Sorting
- ▶ Packing

ROBOTIC MATERIAL HANDLING



Our material handling robotic solution can eliminate the downtime, requirement of hazardous, tedious, or fatiguing labour in an industrial environment. We provide comprehensive handling solutions with the use of SCARA/Robot/Cobotto in various industries like Food, Pharma, Electronic, Foundry, Forging, etc.

ROBOTIC MATERIAL HANDLING SOLUTIONS

- ▶ Palletizing
- ▶ Part Transfer
- ▶ Assembly
- ▶ Holding & Teamwork
- ▶ Conveying
- ▶ Packaging
- ▶ Bin Picking
- ▶ Sorting system
- ▶ Labelling & Marking
- ▶ Material Removal

ROBOTIC INSPECTION & DISPENSING



We provide robotic inspection solutions using vision-based systems or collaborating with a coordinate measuring machine (CMM). And offers wide-ranging robotic dispensing or robotic spraying solutions in cooperation with multiple dispensing systems manufacturers. Collaborative robots or COBOTS are widely used for inspection applications.

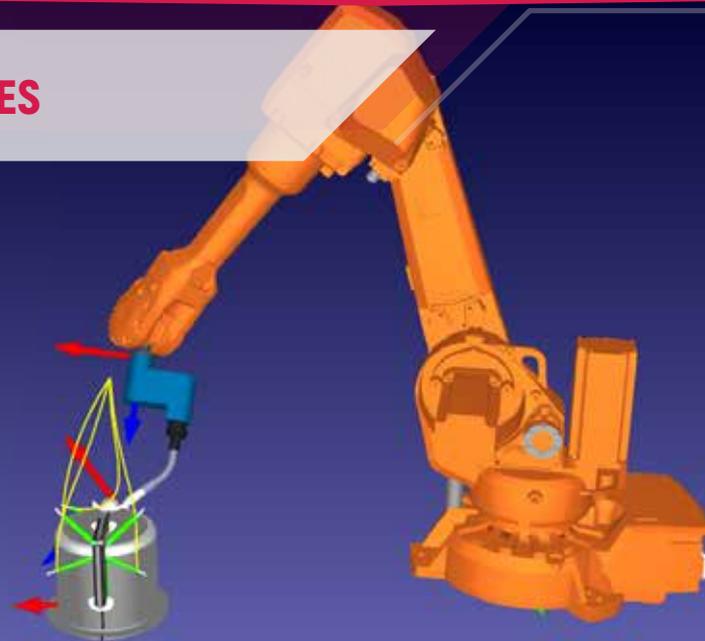
ROBOTIC INSPECTION SOLUTIONS

- ▶ Vision based inspection
- ▶ Sensor-based inspection
- ▶ Welding inspection
- ▶ Chemical sampling

ROBOTIC DISPENSING SOLUTIONS

- ▶ Spraying
- ▶ Painting
- ▶ Sealing
- ▶ Dosing

ENGINEERING SERVICES



Being a successful turnkey automation solution provider, we offer engineering services to enable customers and integrators to implement industrial robot & motion control-based automation systems. We offer a complete range of programming solutions along with simulation & analysis for different complex applications. Our major service offerings are

ROBOT SIMULATION AND OFF-LINE PROGRAMMING

- ▶ 3D simulation
- ▶ Off-line programming
- ▶ Reachability studies and interference checks
- ▶ Cycle time optimization
- ▶ Work cell and workflow layout optimization
- ▶ Variation simulation analysis

ROBOT ON-SITE SERVICES

- ▶ Program Development
- ▶ Installation & Commission

ROBOT TOOL DESIGN & VALIDATION

- ▶ End of arm tool
- ▶ Mechanical design

WHY CHOSE US



High-quality Industrial Automation Solutions

We acknowledge the utmost importance of time and resources. We ensure to execute the design without rework by doing a comprehensive analysis of the clients's requirements.



Cost-effective Practices

We have a modular approach towards the processes and make our solutions affordable for our clients.



Scalable Services

Apart from the broad variety of solutions, we are equipped to scale up our solutions to accelerate industrial transformation through automation.



Our Team, Our Strength

Our team is our pride. With an experience of 10 years in the field of Industrial Automation and services our talent is dedicated to offering the best of solutions to you.



Global Standards

We work with distinguished minds from around the world as we follow the standards and have a vast in global markets



Infrastructure

We have access to the best infrastructure in terms of quality tools and technologies. We believe it is important to have a good infrastructure while delivering quality solutions.



Faster Deliveries

We are dedicated to fulfilling all work objectives within the stipulated times and ensure the fastest turnarounds in the industry.

CLIENT LIST



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