

M-10 AUTOMATION

Industrial Automation Solutions



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CONTACT US



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INTRODUCTION

M-10 AUTOMATION is growing company in the field of Industrial Automation. We Supplies Comprehensive Product Range For SPM Machine Tools, Assembly Automations, Accessories, And Fabricators, With A Wide Range Of Products With Industrial Standard. Our Services Include Electrical & Mechanical Design And Drawings, Electrical Control Systems Design And Schematics, Pneumatic Systems Schematics, Control Software Design And Development. PLC Programming And System Integration, Allowing Us To Serve As A Complete Machine Building Solution.

ABOUT US

COMPANY OVERVIEW

M-10 Automation is a PLC System integrator & industrial automation solution provider located in Chennai, India. I Started My Career as Design Engineer in Zeus Solution in the year of 2015, We are having Working Experience in High Tech Machines and Automated Test System Technologies. After, We Established Own Brand in the name of M-10 Automation Solution in the partnership in the year 2018. During Pandemic Situation (Covid) We Can't run our company, So, I Joined AMICS Automation as a Project Head and later started as M-10 Automation in the proprietorship. We focused on providing quality engineered solutions to the industries. From 2018 we have worked closely with many industries and have completed over 50 projects which are intuitive solutions and east to maintain. As automation specialists we are constantly evolving with newer technology to scope up with customer needs.

We have Experienced Team Members, One Design Engineers and Two Assembly Machines and One Electrician. We have developed more than 30 subcontractors and we have more influence in the subcontractor's area nearby us. M-10 Automation delivers solutions with high performance and flexibility to be effectively deployed within diverse industries and applications. We have been providing industries with services ranging from proposing and installing to the absolute commissioning of automated system, completely adhering to the industry standards.

M-10 Automation has nearly vast experience in Designing, Panel Manufacturing, Installation and Commissioning of Automation System with a team of highly qualified and experienced Engineers. By the latest technology, Control Panel Solutions/ Systems which incorporate AC Servo Drives, PLCs, HMI, VFD, SCADA, Temperature Controllers and wired by standard communication protocols with computer control. The design team has the experience of a whole range of process industries and applications. Providing value added Services and Solutions to our clients by Team Work.

WHAT WE DO

CUSTOMIZED MACHINERY

Special purpose machines are designed to perform some specific applications which cannot be carried out using conventional machines. We conceptualize the system design understanding the customer needs with a collaborative approach and develop the machine. The machine is designed based on the purpose and considering the constraints as well. We are engaged in design, manufacture of special purpose machines for high production rates with consistent quality which is today's need in automobile industries like Assembly stations, Leak testing station, Conveyor systems etc...



VISION INSPECTION SYSTEM

Vision Inspection Systems (sometimes referred to as machine vision systems) provide image-based inspection automated for your convenience for a variety of industrial and manufacturing applications. Machine vision systems are now commonly used for automated inspection, robot guidance, quality control and sorting, and much more.



The vision system can be intelligent enough to make decisions that impact the function you are trying to assess, often in a pass/fail capacity to trigger an operator to act. These systems can be embedded into your lines to provide a constant stream of information. Vision inspection systems can be used in any number of industries in which quality control is necessary.

Data collected by a vision system can help improve efficiency in manufacturing lines, sorting, packing and other applications. In addition, the information captured by the vision system can identify problems with the manufacturing line or other function you are examining in an effort to improve efficiency, stop inefficient or ineffective processes and identify unacceptable products.

WHAT WE DO

PLC & SCADA SYSTEM INTEGRATION

We help to implement PLC control system as an automation solution. Integration of digital and analog I/O like switches, sensors, Load cells, pneumatic and hydraulic cylinders to work together in a system. We can integrate PLC with older existing machines which operate with older technology. We work with various PLC brands like Mitsubishi, Siemens, LS, Delta, Omron and provide suitable solutions including SCADA



CONTROL PANEL DESIGN & DEVELOPMENT



We offer a wide range of Control Panels with PLC, NI, commercial electric control panels and electric starter panels for various applications. The products offered by us are developed by our proficient personnel, who ensure to make these compatible with local/remote facility, controlled from DCS & PLC.

Our range of Control Panels is widely used in process industry, automobile industry and electrical industry.

WHAT WE DO

PLC & Lab VIEW Programming

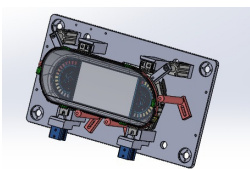
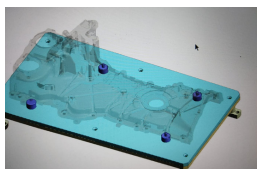
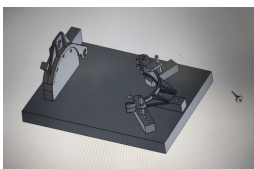
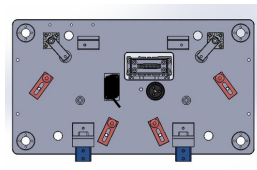
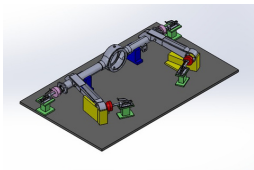
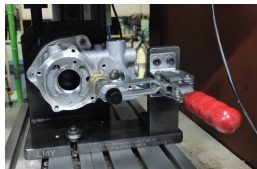
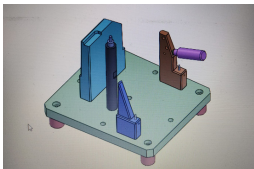
We provide PLC and LabVIEW programming services for all brands. New development of logics, Updating work in existing machines, modification and amendment of logic in machines, SCADA development, HMI programming. We also integrate other devices like printer, scanner, biometric devices using RS232, Modbus and Ethernet communication. Data Acquisition, Data logging, Report generation can be done in LabVIEW



Jigs, Fixtures & Press Tools

We Design and manufacture of customized Jigs and Fixtures based on the requirements with effective cost. We provide a diverse range of Press Tools that are produced using a highly scalable and efficient manufacturing process.

Our Designing team has a vast experience in designing jigs and fixtures. These press tools are widely used in presses and are known for their exceptional quality, durability, and efficiency.

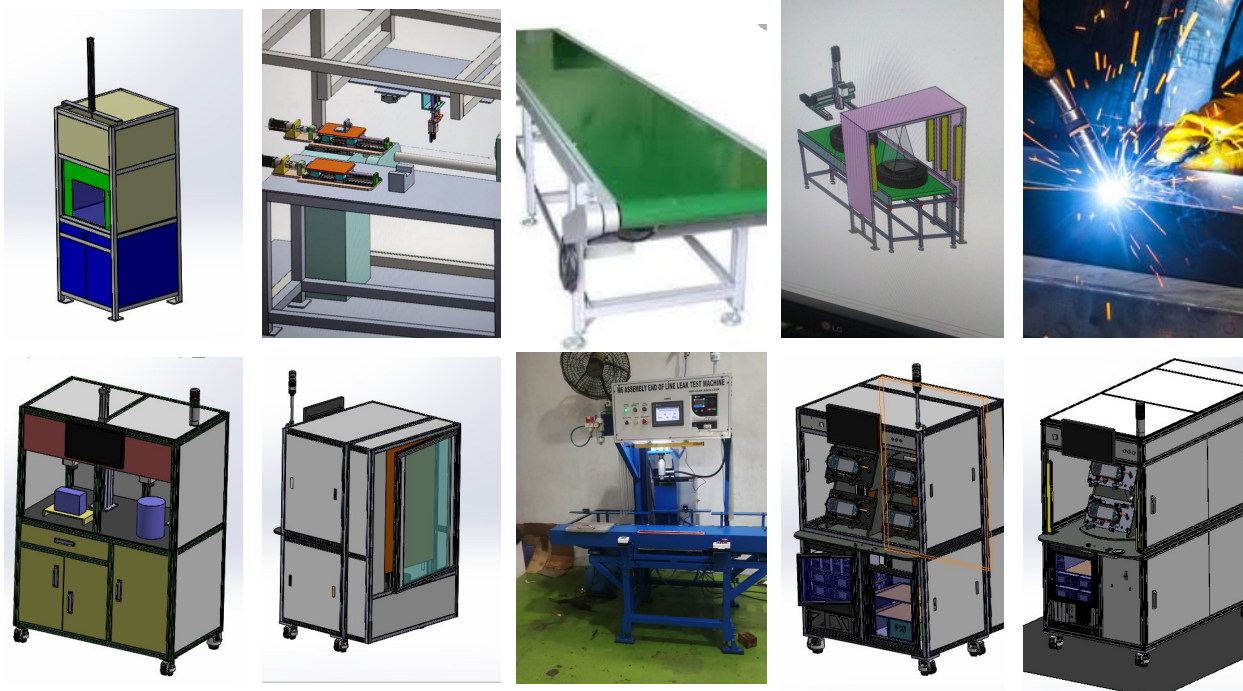


WHAT WE DO

MACHINE CONCEPT DESIGN & MANUFACTURING

For Designing, We used Tools like SOLIDWORKS, AutoCAD Etc,...

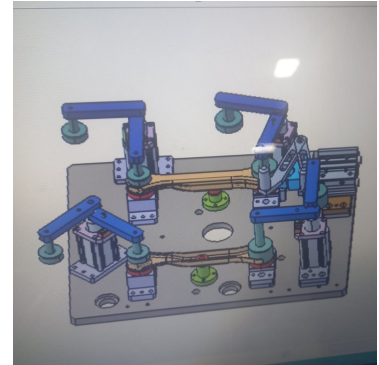
We provide Fabrication Works while keeping in mind the various needs of our clients. These services are provided by highly skilled professionals who employ cutting-edge techniques to meet the diverse needs of our clients. We also offer these at affordable prices.



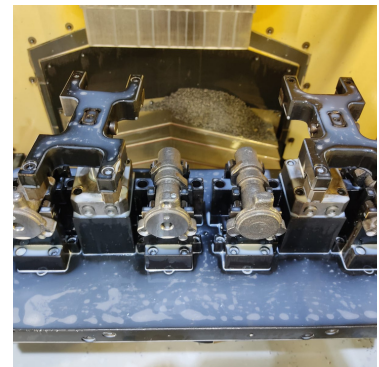
WHAT WE DO

HYDRAULIC CLAMPING VMC FIXTURES

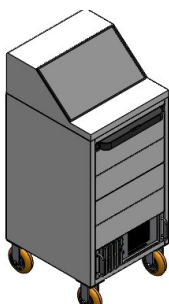
We have Specialized engineers in the following field, All pneumatic operation principles and air fluid power analysis. Pneumatic devices and gear (cylinders, valves, sensors, tubing, etc) and their extensive operation principles. Dynamic analysis of piston stroke, mathematical equations and modelling. Combined Pneumatic circuits with multiple applications.



All Hydraulic operation principles and oil fluid power analysis Hydraulic devices and gear (cylinders, valves, sensors, piping, etc) and their extensive operation principles Dynamic analysis of piston stroke, mathematical equations and modelling Introduction to electrical driven hydraulics systems and applications Complex Hydraulics circuits with multiple applications.



KISOK MODEL FABRICATED STRUCTURE



Kiosk India has one of the largest product range of interactive and touch screen kiosks in India. We offer 100% custom fabrication services right from idea to conception for a variety of applications spread of various industries such as Financial Institutions, Government, Telecommunication, Hospitality, Education, Food Service, Retail, Healthcare, Business, Travel, Exhibitions etc.

We have a multitude of the most modern machines such as CNC laser cutting, CNC Bending Machines, Welding Machines, Power Press and powder coating.

OUR EXPERTISE

SPECIALIZED IN

- Designing and Manufacturing of Machine Tools and Accessories.
- Special Purpose Metal Cutting & Foaming Machines.
- Low Cost Automated Assembly Line Equipment.
- Product Performance Test Rigs.
- Dry Leak Testing & Wet Leak Testing.
- Hydraulic Presses.
- Machine Servicing And Maintenance.
- Material Handling Equipment.
- Trolleys and Pallets.
- All Types Of Fabrication.
- And Also Enough Knowledge In The Field Of Control Technology Likes Pneumatic, Hydraulic And Electrical Systems.
- Electronic Display Board.

BRANDS WE OFFER



DELTA

OMRON



FESTO

SIEMENS

Ingenuity for life

JANATICS
Pneumatic



MISUMI

OUR CLIENTS



CONTACT US

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