



TM

GEOMETRIX

AUTOMATION AND ROBOTICS PVT. LTD.



Automotive



**Food &
Pharmaceuticals**



**Heavy
Industries**



**Refurbished
Robots**



Industry 4.0

**GEOMETRIX AUTOMATION AND ROBOTICS PVT. LTD.
GEOMETRIX ROBOTS INDIA PVT. LTD.**

Automation For Every Nation

www.geometrixar.com

About Us

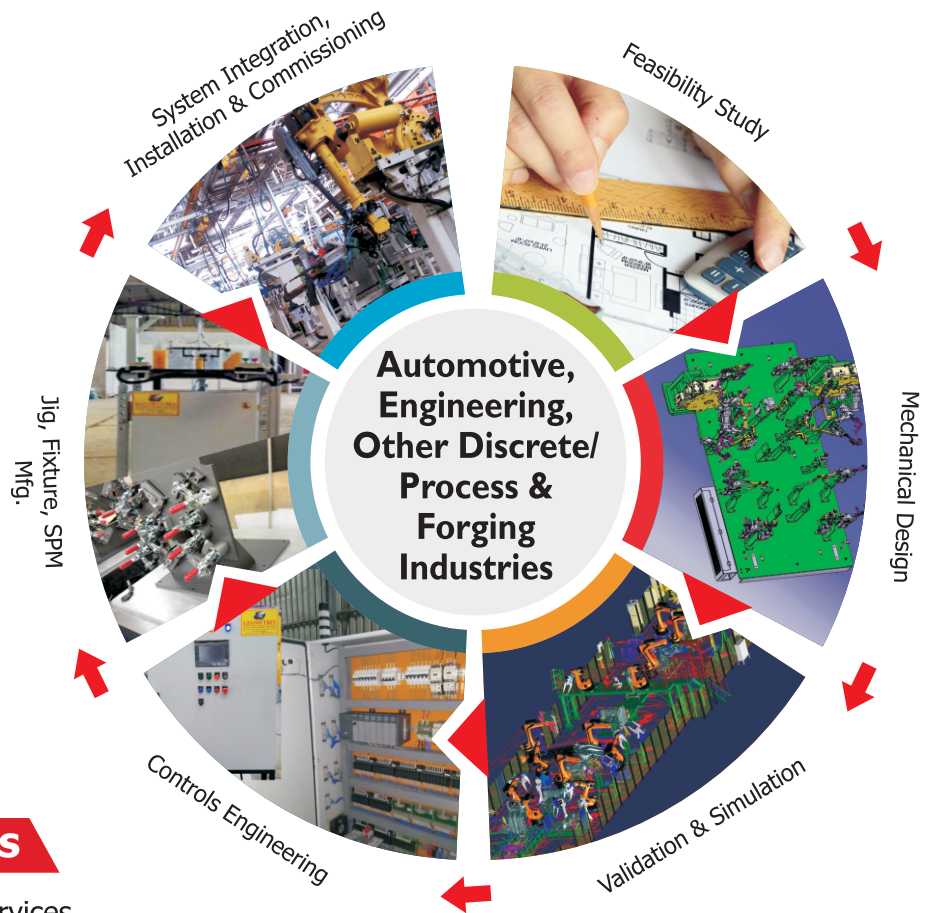
Geometrix Automation And Robotics Pvt. Ltd. has raised the bar to a newer height by providing a Robotic solutions portfolio that includes Robotic Spot /Arc Welding Automation, Robotic Material Handling, Robotic CNC Machines Tending, Robotic Press Tending Applications, Robotic Marking Automation for Steel Industry, Manufacturing Line Automation, Robotic Packaging Lines, Robotic Laser Cutting, Robot Deployments in many discrete manufacturing applications.



Apart from providing the turnkey solutions for industries the company also provides a plethora of engineering services including Mechanical Design, Simulation, Robot Programming, PLC Programming and Integration services onsite and offsite. The company also use PLC to read digital and analog inputs from various field devices, execute a user-defined logic program and write the resulting digital and analog output values to various output elements. Additionally, the enterprise develops system for the interaction of the shop floor devices with the top floor for monitoring as well as controlling. The solutions and services offered by Geometrix are in line with the international quality parameters. Its hard-wearing and high performing deliverables are acknowledged for their economical and energy efficient performance in diverse industrial applications.

Geometrix is committed to Clients to maintain impressive ROI by providing robotic solutions with refurbished robots along with service and spare supports.

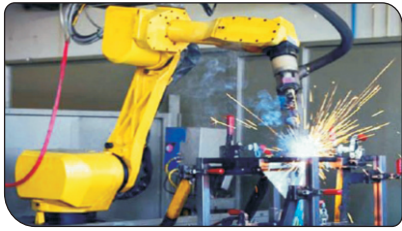
Turnkey Solutions Methodology



Engineering Services

- Onsite Robot Programming Services
- Control Design & PLC Programming Services
- Robot Simulation & Off Line Programming Services
- Offline & Onsite Simulation for National & International Clients
- Mechanical Design Services
- Onsite Robot Breakdown Service Support

Industrial Robotic Applications



Robotic Welding - Spot / Mig / Arc Welding Applications

Probably the most common robot application. All methods of robot welding can be achieved accurately, solidly and neatly due to the control of filler substance and unfalteringly steady positioning. This leads to less scrap and higher productivity. Unlike manual welding robotic welding is unaffected by the flash (molten metal waste) and removes the risk of injury.



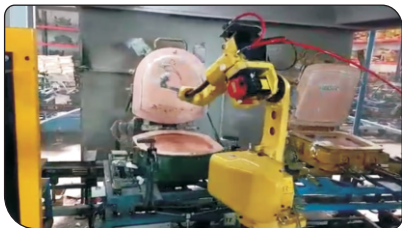
Robotic Forging Applications - Hot Job & Cold Billet Handling

The material can be handled at much higher temperatures leading to shorter cycle times and increased productivity.



Robotic Packaging / Palletising Applications

Robots can quickly package items without error and can also arrange the products onto pallets securely, even wrapping the products to keep them in place.



Robotic Cleaning / Spraying Applications

Controlled jets of air or water can remove any debris from any surface at any angle.



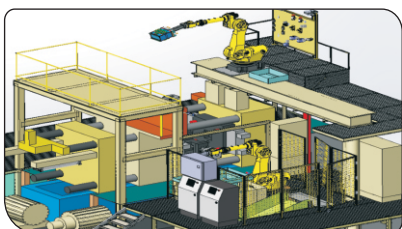
Robotic Coating / Painting Applications

Consistent paint finishes are achieved with minimum waste of paint and remove the concern of the effect of paint fumes on employees. They can also be used to submerge products in solutions unsuitable for human contact.



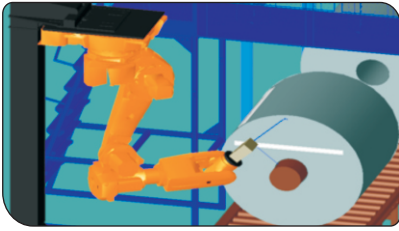
Robotic Deburring, Degating and Fettling Applications

Accurate removal of waste from around drilled holes and machined edges without tarnishing the surface.



Die Casting - Part Extraction, Diecoat Spraying, Child Part Insertion Applications

The removal of product within a mould can be quickly performed by a robot and can handle the product at higher temperatures long before standard removal techniques which means less cooling time required by the machine and ultimately increased productivity.



Robotic Coding & Marking Automation Applications

We have Technical Collaboration With Rea Jet Industrial Coding And Marking Solutions - UK.

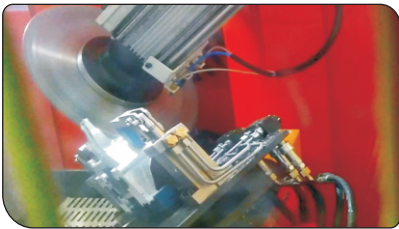
We Provides H Beam Marking Solution, Sheet / Plate / Pipe / Coil Marking Solution In Steel Industry. Billet / Beam / Coil (HR,CR) Marking, Ingot Marking Solutions etc.

The Marking with Robots is possible on red hot steel up to 800°C.



Robotic Gluing / Sealing Applications

Consistent application of glue or bonding materials with precision leads to less waste. High pressure can be applied after application and parts are accurately placed together. Not affected by fumes.



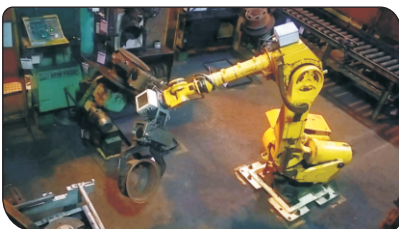
Robotic Cutting Applications

The high degree of accuracy lends itself to robotic cutting operations whether fabric, paper, plastic, wood or even metals. Removes human error and risk of injury. Popular cutting techniques are robotic water jet, plasma and laser.



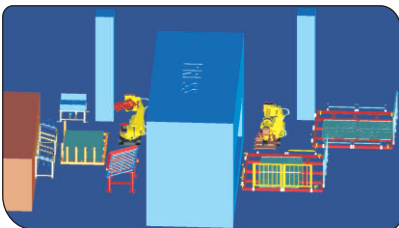
Robotic Machine Tending Applications

A robot can service a machine in many ways from changing tools to placement and removal of work pieces. There is no risk of injury to operators should they get caught in the machine.



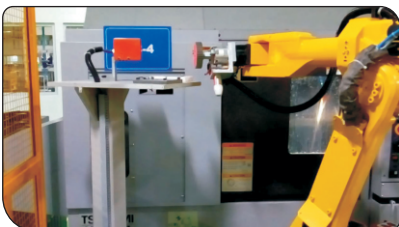
Robotic Material Handling Applications

Robots are used to move, feed or disengage parts or tools to or from a location, or to transfer parts from one machine to another. It can also be used to handle material unsuitable or harmful to humans or in environments which are equally inhospitable. An expanding area is one for handling composites.



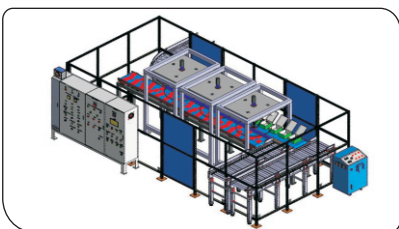
Robotic Press Automation Applications

Again similar to Injection Moulding and Die Casting, the product can be removed at much higher temperatures even horizontally. Press tending with Robots can achieve 9 SPM (Storks Per Minute).



Robotic Vision Applications

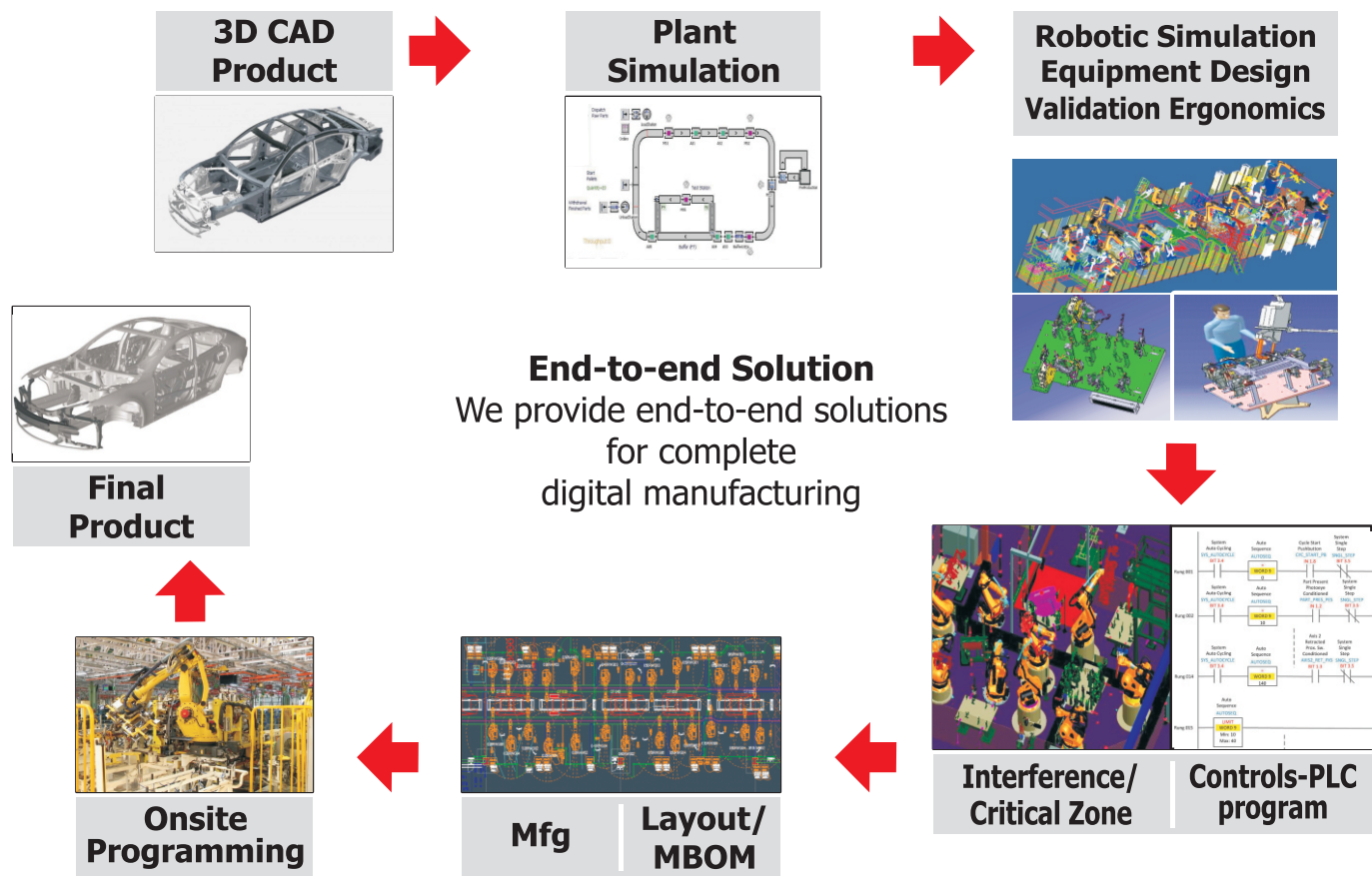
A robot can be combined with vision equipment to act as guidance or to perform any of the tasks discussed in our Machine Vision section. Robots can be precisely positioned to carry out inspection of parts which are hard to reach i.e., the inside of a cylindrical object.



High Speed Robotic Packaging Applications

Geometrix offer high speed Pick & Place solutions with Delta Robots with a rapid handling of 150 Picks Per minute.

Digital Manufacturing / Simulation



Refurbished Robots

Geometrix Robots India Pvt Ltd provides used and refurbished robots to various industrial applications.

Focusing on the supply of robots from all the main manufacturers including ABB, Fanuc, Motoman and Kuka. We buy and sell robots in large numbers keeping prices competitive. We have global presence in any country to buy any lot of robots and also to sale the robotics integrated solution.

Geometrix Robots India Pvt. Ltd. is the group company of the world’s biggest robotics stock holding and Robots refurbishing company- Global Robots Limited, UK and IRS Robotics, The Netherlands.



Technology Partners



For Industrial Robotics
Global Robots Limited, UK.
 Beancroft Road, Marston Moretaine,
 Bedfordshire, MK43 0QF United,
 Kingdom.

REA JET
 INDUSTRIAL CODING AND
 MARKING SOLUTIONS

For Industrial Coading And Marking
REA JET Ltd.
 119C Olympic Avenue, Milton Park,
 Abingdon, Oxfordshire,
 OX14 4SA.



For Bond, Protect and Beautify Technologies
Sames Kremlin France
 13 Chemin de Malacher,
 38240 Meylan, France.

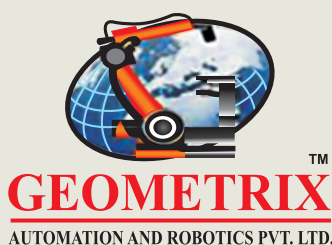


For High Speed Delta Robots
Codian Robotics BV,
Netherlands.
 Wildeman 2, 3905 TL Veenendaal,
 Netherlands.

Market Presence

Automotive OEM's, Auto components, Automotive Line Builders, Automation And Robotics, Machine Tool Industry, Manufacturing Industries, Defence & Aerospace, Food & Pharmaceutical, Engineering companies, FMCG.

Our Clienteles



GEOMETRIX AUTOMATION AND ROBOTICS PVT. LTD. GEOMETRIX ROBOTS INDIA PVT. LTD.

• **Office :**
 Design & Technology Center,
 Office No.-7, MSR Capital,
 CTS - 5864, Pimpri, Pune,
 Maharashtra, (INDIA) - 411018.

• **Factory :**
 Gat No.53/1, Nigdi - Chakan Road,
 Near Talwade Circle, Talwade,
 Tal. Haveli, Dist. Pune,
 Maharashtra, (INDIA) - 411062.

• **Contact :**
 ☎ : 020-32319844
 📞 : +91 9921001880
 ✉ : info@geometrixar.com
 🌐 : www.geometrixar.com