



INTECH ROBOTS



INTEGRA TEKOMNATE

www.intechrobots.com

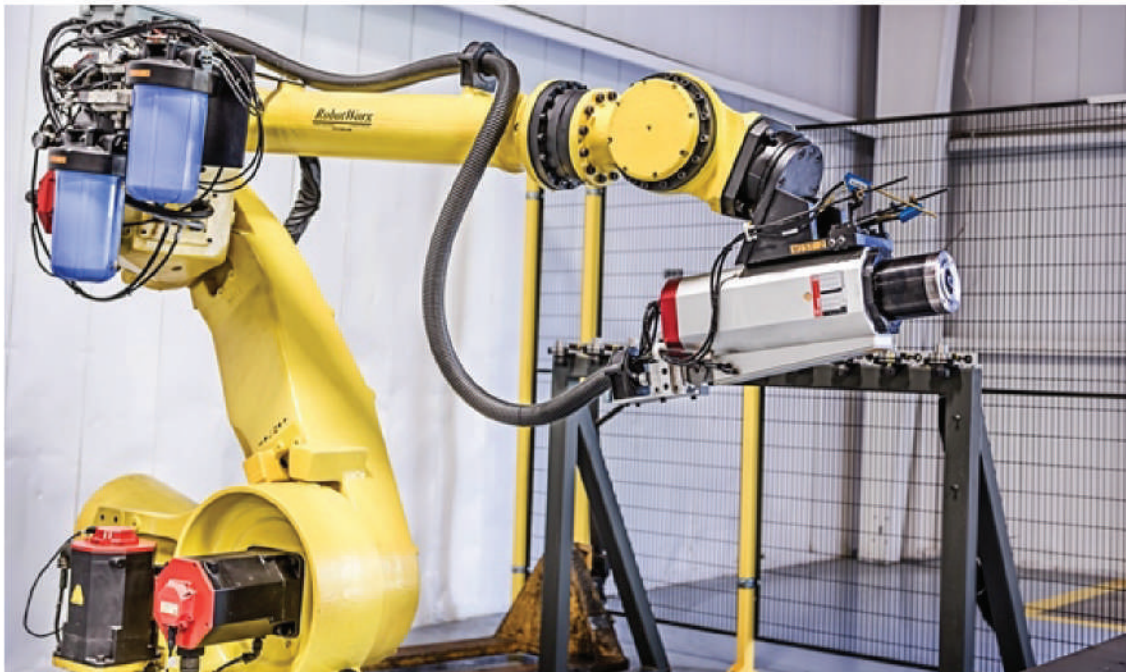
Grow your facility with robotic automation

Intech robots serves as a turnkey automation controls partner to companies that are in need of innovative solutions, strategies & support and is a full solution & services provider for industrial design and integration of machines and systems, including process development and improvement, new equipment design and machine enhancement to help our customers compete successfully in today's highly competitive global environment.

We are a leader in providing complete Industrial automation solutions to manufacturers throughout Globe. We pride ourselves in our unique ability to provide control, mechanical and process engineering, along with custom assembly machine manufacturing and panel building, allowing us to deliver your solution seamlessly - from one supplier. This allows us to deliver the best value to your company through efficiencies in both cost and time management. With thousands of successfully completed projects in our portfolio, we provide an unprecedented breadth of expertise, service and experience to meet all your needs.

EXPERTS IN ROBOTICS INTEGRATION

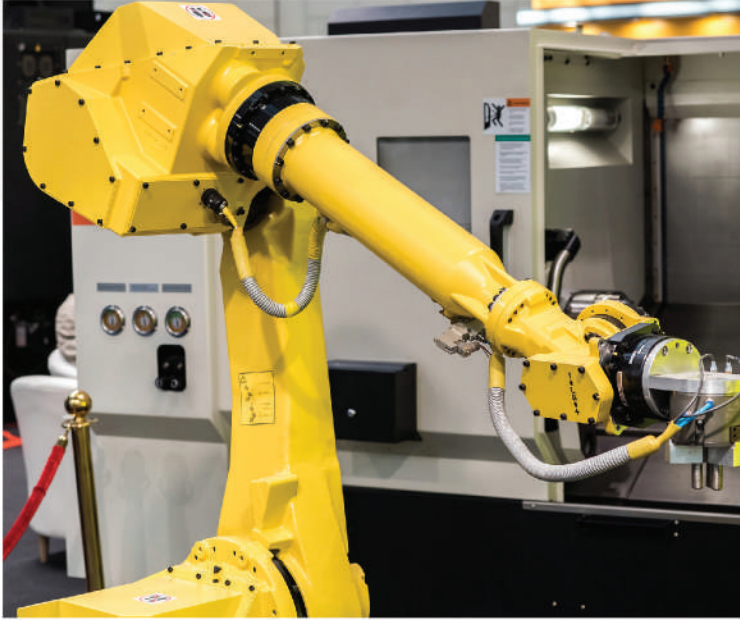
Our primary focus is on increasing your productivity and boosting your performance. As India manufacturing continues to gain strength, Intech Robots develops reliable robotics solutions that keep you competitive and positioned to grow. We analyze, program, integrate and support robotic systems built to meet the demands of your operation.



OUR SOLUTIONS

1. ADHESIVE DISPENSING SYSTEMS

Intech Robots committed to providing the best solution for adhesive curing and dispensing systems that offer customers complete manufacturing solutions for their challenging application. In alliance with some of the world's leading dispensing Intech Robots has developed high- quality, field - proven dispense systems to fit many adhesive dispensing applications. These systems include various automatic and manual dispense systems, spray valves, as well as related components for seamless integration into your manufacturing process. Our application engineers will work with you to create the best dispensing solution.



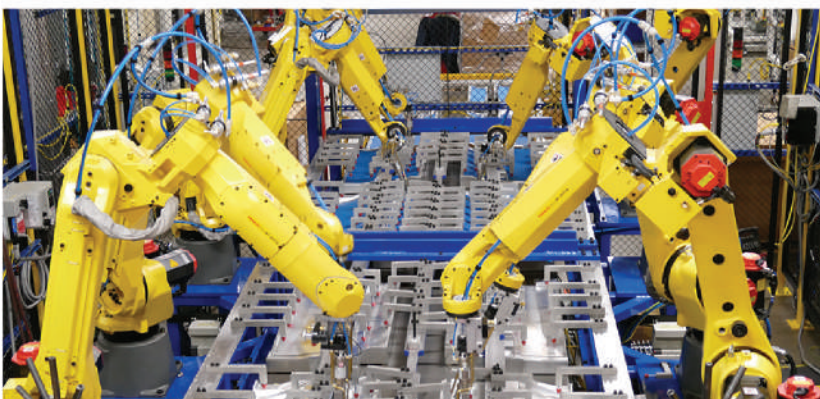
ADHESIVE DISPENSING ROBOT

Intech Robots robotic equipment is designed with precision and uniformity of performance in mind. Our machines work in unison to create a well-engineered final product while streamlining your production processes. Robot dispensers release product evenly and efficiently, excreting the same amount of sealant or adhesive each time. These dispensing robots decrease waste and create an outstanding final product.

2. AUTOMATED ASSEMBLY SYSTEMS

Automated assembly systems have various types of material handling equipment, gauging and inspection, palletizing, material removal, vision, marking, pressing, dispensing, painting, and washing / drying cells. These robotic assembly cells include all processes required to deliver an assembled and inspected product in faster, more efficient timeline.

Intech Robots will guide you from the initial design concept, to the installation, and testing on your facility floor. This allows our well trained engineers to complete projects to the customer's satisfaction.



ROBOTIC ASSEMBLY SYSTEMS

Many of the robotic assembly systems we design for our customers are designed to handle families of parts. Intech Robots can design the tooling and equipment to match and exceed the customer's specified cycle time and change over. . Our team of engineers, designers and integrators have the experience to successfully integrate assembly robots into your manufacturing process. With over 20 years of experience in the robotics field we've become the experts manufactures rely on when it comes to automation.

3. AUTOMATED CONVEYOR SYSTEMS

As an independent robotics integrator, Intech Robots uses the latest conveyor technologies into the systems we design. We develop conveyor systems that are integrated our material handling systems to provide maximum ROI.

Advancements have been made to automated conveyors in recent years which allows systems to handle a wider range of products and materials than ever, and increases the performance of today's modern warehouse, manufacturing facility, or food and beverage packaging.

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CONVEYOR SYSTEMS FOR ROBOTIC AUTOMATION

Conveyor systems for robotic automation systems include all types of conveyors that are used to move/transfer raw materials, work in process and finished goods products in/out of work cells. Typical types of conveyors include roller conveyors and belt type conveyors that are often controlled by a master PLC, or the robot. Conveyors are used to control part flow in a manufacturing operation. More specialized conveyor components include pallet transfers and turntables. robot palletizing cells require a conveyor of some sort to move products into a palletizing station and out of the cell for fork truck pickup.

4. INJECTION MOLDING ROBOTICS

Injection molding produces parts by injecting molten material into a created mold and can be performed with a host of materials, including metal, glass, elastomers and most commonly thermoplastic. Robotic machine tending and material handling allow you to increase the speed and reliability of plastic injection molding operations by automating the repetitive tasks in a more efficient manner.

From loading components into the injection molding machine to finishing and assembling injection molded parts, the integration of robotics provides manufacturers with a competitive advantage, increasing productivity and quality. Intech Robots has over 20 years of experience in planning, designing and installing robotic solutions for a wide variety of clients.



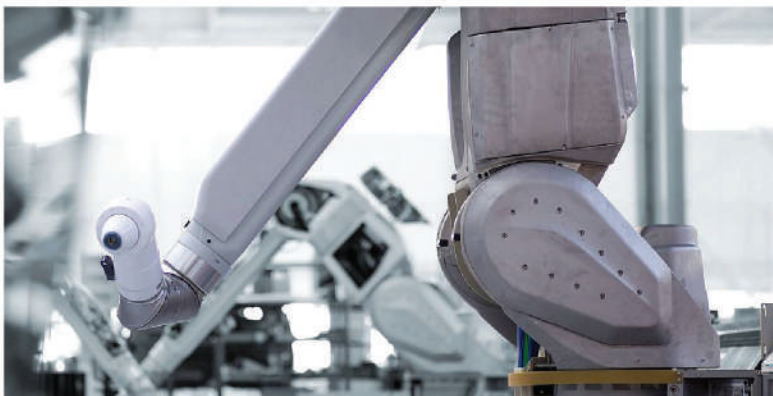
5. INSPECTION & VISION SYSTEMS

Vision inspection systems can provide automated image based inspection of parts and components. Vision is often used in robotic automation solutions to identify part location, or critical part characteristics that will aide the robot in completing an automated task.

When developing a robotic automation solution, Intech Robots uses vision systems in a variety of ways to assist the robot in completing the work content.

Machine vision systems aid in automated manufacturing processes in the following areas

- Quality Inspection
- Robotic Guidance
- Precision Measurement
- PLC Logic Integration
- Identification & Sorting



6. ROBOT MACHINE TENDING

Machine tending refers to the automated operation of industrial machine tools in a manufacturing plant, primarily using robot automation systems. A collaborative robot can be used to tend machines such as CNC, injection molding, press brakes, stamping presses and more to free employees for more to free employees for more valuable tasks.

Add value to your business with the collaborative robot arm that pays for itself more quickly than any other robot in the industry. With our fast and flexible deployment, you can quickly adapt production lines to new products. Intech Robots provides a future-proof platform for small businesses looking to optimize productions. If your work flow changes, the robot can be deployed quickly and easily in new constellations due to its small size and lightweight design.



7. AUTOMATED MATERIAL HANDLING

Today's business environment demands that you fully control your operations – the facilities, the material flow, the way people work, the information – you must cover all the angles. Typically, you're expected to do this with fewer resources than ever. Material handling unifies everything, and allows you to have better control over nearly every factor.

World-class material handling system and automation requires a high level of knowledge and experience. These systems must be scalable; they have to take your future into as much account as your present.



8.ROBOTIC PALLETIZING & DEPALLETIZING SOLUTIONS

Robotic palletizing provides manufacturers, warehouses and producers with highly customized solutions by implementing cutting edge technology into the palletizing operations. Palletizing robots are capable of handling pallets, tier sheets, slip sheets and more to offer you a seamless end-of-line automatic pallet building and depalletizing integration.

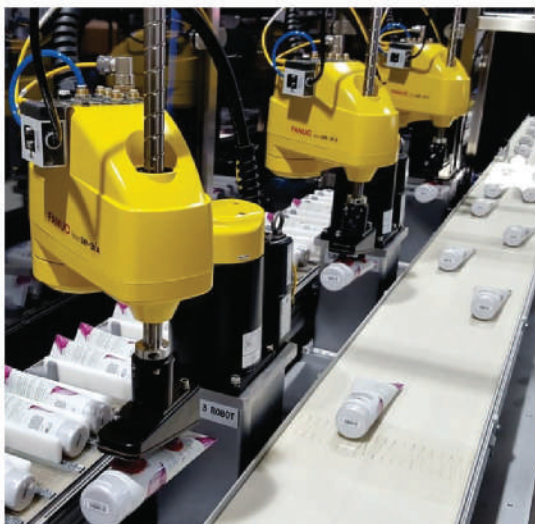
Intech Robots 's team of engineers, designers and integrators have the experience to successfully integrate palletizing robots into your manufacturing process.



9. PICK & PLACE AUTOMATION

While there is no such thing as a standard pick and place machine, they all share common traits. Pick and place robotics integrate various storage solutions inside multi-tier work platforms that move product efficiently through a distribution facility. Versatile, high-density pick and place modules (also known as pick and package) can be scaled to the needs of your facility, regardless of the industry.

The robotics produce faster picking in less space than floor level storage. This results in significant cost savings for picking and packaging functions. The automation reduces wasted “walk time” for pickers, who are situated in areas where they spend more time picking orders and less time finding SKU's.



10. PRE-ENGINEERED TECWELD SKYARC WELDING CELL

Significantly increase fabrication output with robotic welding and lower production costs . Intech Robots provides a cost-effective, production ready, turn-key welding solution with our TecWeld SkyArc Robotic Weld Cell.

With our prefabricated welding solution, you get:

- A cost-effective standard production weld cell without the added cost of un-needed customization.
- The robot, controller, positioner, and power unit are all integrated into a common skid weldment.
- Easier cell setup and faster installation time.
- Significantly increase fabrication output with robotic welding and lower production costs.



11. ROBOTIC PAINTING SYSTEMS

By adding robotic vision technologies, industrial painting robots are able to analyze and inspect an object, determine the location of edges, recognize patterns, evaluate size, and a variety of other tasks. Robot vision is a combination of software, sensors, algorithms, and cameras that connect with the robot system and the application to guide it through a specified process. With this rapidly growing technology, robots can now recognize components, determine what parts to pick up or put down, and what areas to paint on an object. We can also program painting robots for pinpoint accuracy and unique specifications –no more drips or over-spray issues. Intech Robots more drips or over-spray issues. Intech Robots robotic technologies are providing new options for businesses, small and large, to compete in the global marketplace.



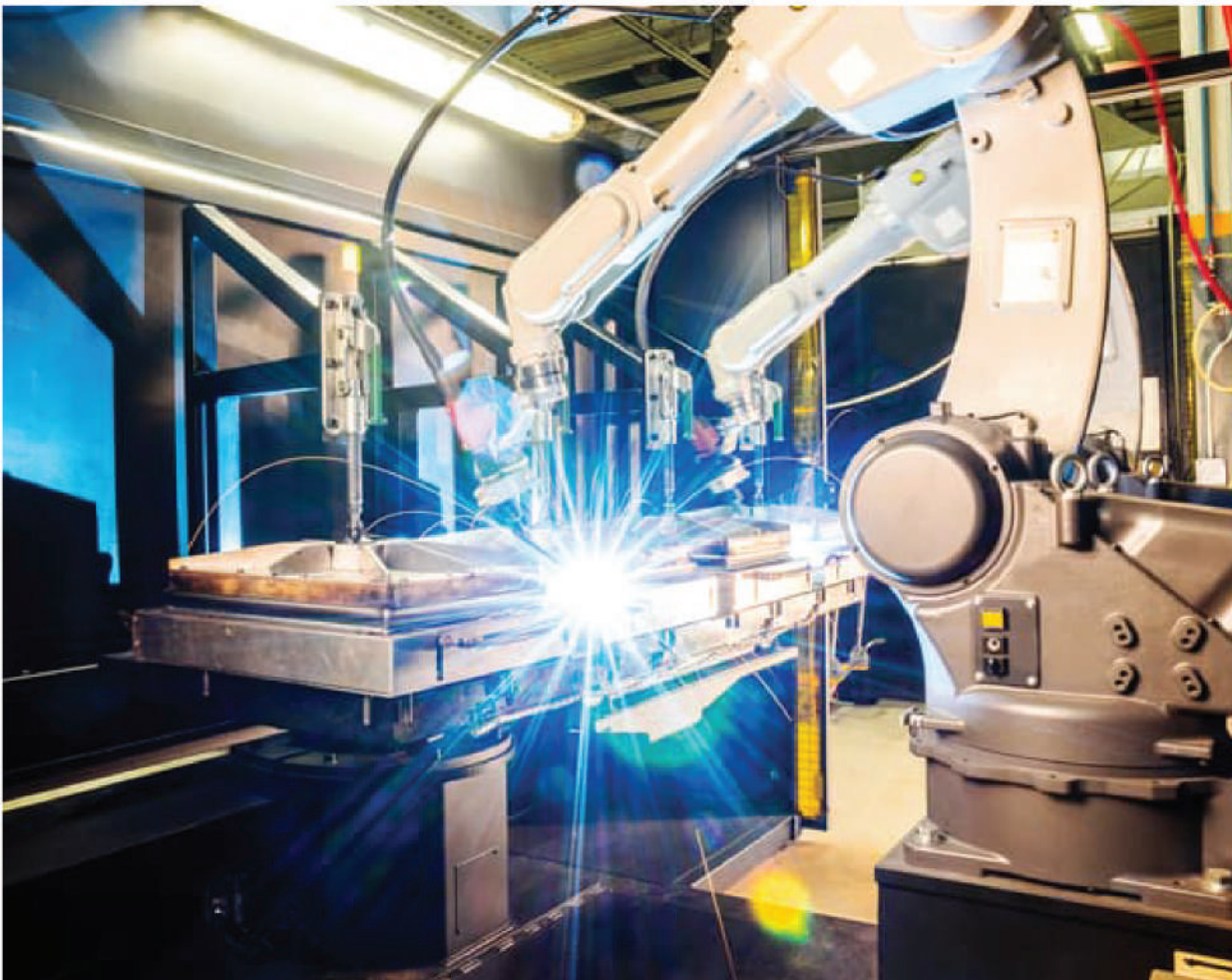
12. ROBOTIC WELDING CELL

Robotic welding is one of the most common robotic applications in the industrial sector, being driven mainly by the automotive sector for the last several decades. by the automotive sector for the last several decades. Robotic welding is is most productive when completing high-volume, repetitive welding tasks.

With robotic welding integration, you can:

- Decrease Employee Risk to Burns & Hazardous Fumes
- Increase Quality & Consistency of Welds
- Decrease Time Required to Finish The Job
- Decrease Space Needed to Perform Tasks
- Decrease Labor Costs

Intech Robots has over 20 years of expertise in robotics and can handle all your automated metalworking integrations.





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