

www.genesisindsol.com



INNOVATING
FOR A
**CONNECTED,
AUTOMATED
FUTURE**

ABOUT US

At **GENESIS INDIA**, we are dedicated to revolutionizing industries through innovative automation solutions. As a trusted supplier of automation products and a PLC based Control panel manufacturer, we empower businesses to optimize their processes, enhance productivity, and ensure the highest standards of precision and reliability.

With a commitment to quality and innovation, **GENESIS INDIA** brings a wealth of experience and expertise to the automation industry. Our extensive portfolio includes advanced PLCs, customized automation solutions, and a wide range of automation products Solutions to meet the diverse needs of various industries. Whether you are looking to modernize your systems, streamline operations, or increase Productivity , GENESIS INDIA has the tools, technology, and talent to make it happen.

We believe in building strong, long-lasting partnerships with our clients, providing tailored solutions that are both scalable and sustainable. By staying at the forefront of automation technology, GENESIS INDIA continues to lead the way in creating smarter, more connected, and highly efficient industrial environments.

Choose **GENESIS INDIA** to take your automation to the next level – because your success is our priority.

ABOUT US



A black and white photograph of two people in business suits shaking hands, symbolizing a partnership or agreement. The image is partially obscured by a white gradient and decorative lines.

KEY OFFERING

At GENESIS INDIA, we offer a comprehensive range of solutions designed to meet the complex needs of modern industrial environments. Our expertise extends across multiple areas to support our clients in achieving greater efficiency, reliability, and operational intelligence.

- **PROJECT SPM (SPECIAL PURPOSE MACHINES)**

We design and develop custom Special Purpose Machines tailored to specific production needs, enhancing productivity and reducing human intervention for repetitive or intricate tasks.

- **UTILITY OBSERVATION**

Our utility observation systems provide critical insights into energy, water, and other utility consumptions. By implementing real-time monitoring and analytics, we help businesses achieve higher energy efficiency, reduce wastage, and comply with sustainability standards.

- **PREDICTIVE MAINTENANCE**

Our solutions help reduce downtime, lower maintenance costs, and improve asset longevity, ensuring that your operations remain seamless and efficient.

- **IOT DEVICES**

Leveraging the Internet of Things (IoT), we connect industrial devices and systems for enhanced data gathering, monitoring, and control. Our IoT-enabled solutions promote data-driven decision-making, allowing businesses to adapt swiftly to changing demands and optimize operations.

- **VISION SYSTEM SOLUTIONS:-**

Vision System Solutions typically refer to advanced technology used in industrial automation for tasks like inspection, quality control, and process guidance.

- By integrating these advanced solutions, GENESIS INDIA is dedicated to supporting businesses in creating intelligent, automated environments that maximize productivity and drive sustainable growth. Let us be your partner in achieving operational excellence through tailored automation solutions.

SENSOR SOLUTION

GENESIS INDIA offers new and innovative technology in photoelectric sensor, Inductive Proximity, laser distance measurement, ultrasonics, and fiber optics sensor to solve almost any industrial automation application.

INDUCTIVE PROXIMITY

- M8 / M12 / M18 / M30
- PNP / NPN / NO-NC
- Cable Version
- Connector Version
- IP64 / IP65 / IP67



PHOTO SENSORS

- Diffuse Type
- Reflector Type
- Through Beam Type
- Miniature Type
- Fiber Optic Type
- Laser Type
- Laser Distance
- Measurement Sensor



SPECIAL TYPE OF SENSOR

- Luminescence Sensor
- Ultrasonic Sensor
- Colour Mark Sensor
- Gap (Lable) Sensors
- Ultrasonic Gap Sensor
- Vibration Monitoring Sensors
- Fiber Laser Sensors
- Tablet Counting Fiber Optic



TOWER LIGHT

- 1 Stage Tower Light
- 2/3 Stage Tower Light
- Buzzer & Without Buzzer Type
- Ip54 / Ip67



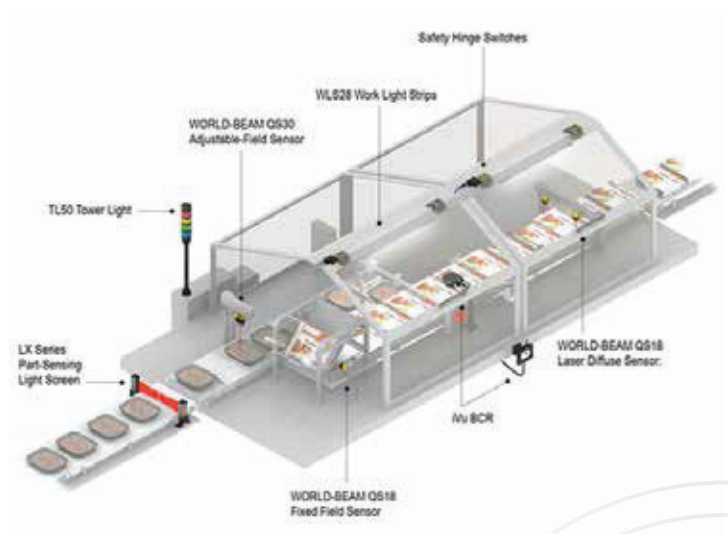
SAFETY PRODUCT

Designed to be easy to use and implement, developed to protect personnel and equipment from accident and injury, and built to perform reliably in challenging environments, our comprehensive collection of machine safety products provides the highest levels of safety without compromising productivity.



LIGHT DIVISION FOR MACHINES/CONTROL PANEL AND VISION SYSTEM

Preassembled and preconfigured multi-segment LED tower light indicators replace conventional stack lights, which often require time-consuming assembly and complex wiring. With a variety of sizes, colors, audible outputs, light intensities, IP ratings, and programmability options, Banner's broad selection of tower lights enables solutions to be easily tailored to specific application needs.



MOTION SOLUTION

PLANETARY GEAR BOX (REDUCER FOR STEPPER MOTOR & SERVO MOTOR)

- For Frame Size 60mm, 80mm, 110mm, 130mm, 160mm
- Level 1-ratio 3/4/5/7/10 with backlash 8
- Level 2-ratio 15/20/25/35/40/50/70/100 with backlash 12



STEPPER MOTOR & DRIVER

- Open Loop Type/Close Loop type (Hybrid Stepper Motor)
- Nema 17, 23, 34, 43
- With Break Type / Without Break Type
- 2 Phase (Step Angle 1.8 Degree)
- 3 Phase (Step Angle 1.2 Degree)



FIELDBUS TYPE STEPPER DRIVE

- Modbus RTU Base Driver
- 485 Communication Stepper Drive
- TCP Communication Stepper Drive
- EtherCAT Communication Stepper Drive



SERVO MOTOR

- AC Servo Motor
- 200w, 400w, 750w, 1kw, 1.5kw, 2kw, 2.6kw, 3.8kw
- Frame size 60mm, 80mm, 110mm, 130mm
- With break type / without break type



LINEAR MOTION RANGE



TOOTHED BELT DRIVE

Linear axes with toothed belt drive are suitable for high-speed handling and positioning tasks involving light to heavy loads in which high repeat accuracy with short cycle times are also vital. Drive is provided via a steel-reinforced toothed belt. With standard accessories, the linear axes can be easily combined to create multi-axis systems. Depending on the model range, the carriage is positioned by means of a sliding guide, roller guide or rail guide.



LINEAR MOTOR DRIVE

Linear axes with linear motor drive are particularly suitable for applications with high accelerations and speeds, where high precision is required with a low load. In linear motor axes, the carriage is propelled into a linear movement by a flat electric motor. As a result, these linear units boost lower space requirements and, at the same time, offer a number of advantages over other drive types.



FIELDS OF APPLICATION

- Picking System
- Packaging Plants
- Electronic Component Manufacturing
- Palettizing & Handling System
- Explosion Protection
- Blikelift
- Deep-Freeze Area-Nordkap
- Robotic
- Machining Plants
- 3d Printing
- Chemical & Pharmaceutical Processing
- Clean Room Technology
- Automotive Manufacturing
- Automated Assembly And Production Lines
- Material Handling Equipment

PROCESS PRODUCT

LEVEL SWITCH

- Bulk-solids and powders short immersion length excellent clean ability
- Ability for differentiation between foam and liquid
- Not sensitive to adherent or sticky media
- Status signalling by bright, blue LED compact stainless steel housing
- Sealed up to IP69K measures media with DC-values >1.5 (Dielectric Constant)



PRESSURE TRANSMITTER

Main Features :

- OEM Application
- Excellent Process/ Performance Ratio
- Stainless Steel Construction

Application :

- Pneumatic
- HVAC
- Factory Automation
- Energy



HYDROSTATIC LEVEL TRANSMITTER

- Hydrostatic level transmitter feature reliable and highly accurate liquid level measurement for water, diesel, gasoline and mild corrosive liquid
- This series adopt stainless steel housing, high performance sensor and ASIC to ensure a wide range of application.. Vented inside cable are provided as air reference.



TEMPERATURE SENSOR

- Works by detecting infrared energy that objects emit
- Senses temperature differences as small as 3° C, on moving or still products
- Senses from 0° to 1200° C
- Available with analog or discrete outputs
- Ideal for applications such as detecting hot parts, monitoring rollers, verifying that molded parts have been ejected and detecting hot glue



FLOW METER

- For all viscous, non abrasive clean liquids like
 - Petroleum Products
 - Chemicals
 - Fuels
 - Oil Products
 - Grease
 - Pastes, etc...
- Stainless steel flow meters are suitable for most products and chemicals
- Aluminium meters are suitable for fuels, oils and Lubricating liquids



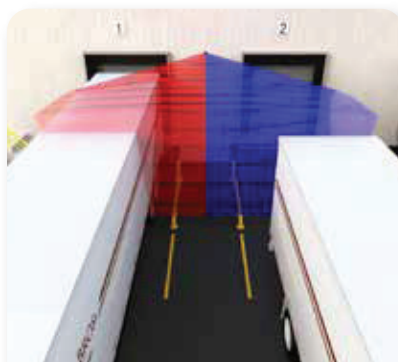
RADAR SENSORS

Sensing in particular environments can present a number of challenges that don't exist in close-quarter, climate-controlled settings. Temperature extremes, precipitation, swirling dust and dirt, objects in motion both near and far, and a variety of surfaces and materials require a device able to sort through it all. There's one type of device that can resist all these problems and detect only what's necessary whether indoors or outside the radar sensor.

Radar stands for Radio Detection And Ranging. It's an object detection system in which electromagnetic radio waves are sent out by an emitter and used to determine the distance, position, and presence of an object. Banner uses two types of radar sensor technologies: FMCW and pulsed.



**TANK LEVEL
MEASUREMENT**



**VEHICLE
DETECTION**



**COLLISION
AVOIDANCE**

MACHINE HARDWARE ITEMS

MECHANICAL POSITION INDICATORS

Our mechanical position indicators work by indicating and monitoring the movement of a machine component along a linear shaft or threaded lead spindle. These position indicators are mounted directly on control shafts and connected to the machine via a rear pin. They are available in three different sizes to adapt to the dimensional needs of your machinery.



GRAVITY INDICATORS

Gravity indicators are used when the handwheel spindle is horizontal or max 60° inclined. These Gravity indicators are available in technopolymer or steel & can be combined with handwheels or knobs to be installed on the drive shaft. The rotation of the handwheel with the indicator makes the pointers move while the dial, appropriately counterbalanced, is kept still by gravity force.

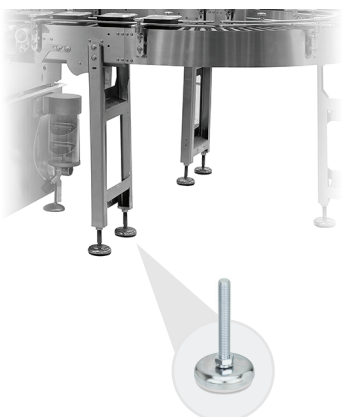


INDEXING PLUNGERS

GENESIS INDIA offers a wide range of plungers for different applications, also special versions of Hygienic Design Indexing elements. Indexing elements are designed to reproduce locked positions defined by indexing bores. Indexing plungers are made up of a threaded body with or without a knob and a plunger, in different high-quality materials: hardened steel, and stainless steel.



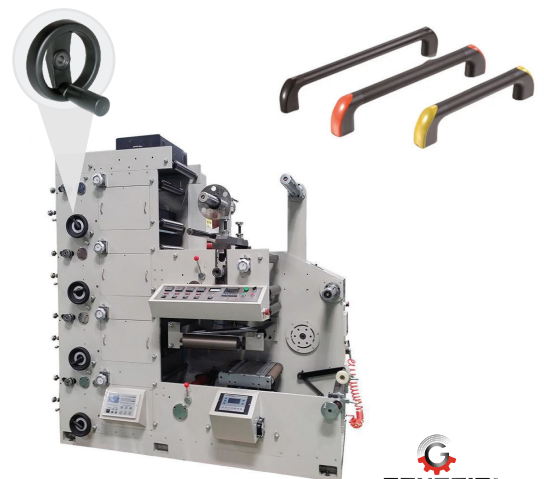
LEVELING FEET



ADJUSTABLE HANDLE



HANDWHEEL & HANDLES



CONTROL PANEL



TYPES OF CONTROL PANEL

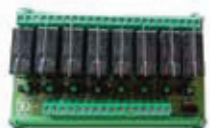
- VFD base control panels
- PLC controller base control panel
- Servo motor based control panel
- Motions based control panel
- LT Control panels
- Power distribution control panel

SERVING INDUSTRY

- Food & Beverage
- Oil & Gas
- Pharmaceutical
- Power Generation & Power Circuit
- Manufacturing
- Fluid Handling
- Material Handling

AUTOMATION PRODUCTS

- PLC
- HMI
- VFD
- SMPS
- Transformer
- Realy card
- Controller & Counter Meter



INDUSTRIES WE SERVE

At GENESIS INDIA, we pride ourselves on providing state-of-the-art SPM (Special Purpose Machinery) solutions tailored to meet the unique demands of various industries. With our advanced SPM machinery, cutting-edge automation, and expert team, we empower businesses to achieve new levels of precision, efficiency, and scalability in their production processes.



PHARMACEUTICALS

We provide automated solutions that meet the high standards of the pharmaceutical industry. Our SPM machinery and vision systems support strict quality control, consistency, and regulatory compliance essential in pharmaceutical manufacturing.



TEXTILES

Our automation solutions optimize production, ensure quality consistency, and reduce operational costs in the textile industry. GENESIS INDIA provides Solutions that handle high-precision tasks, allowing textile manufacturers to maintain a competitive edge.



AUTOMOBILE

GENESIS INDIA offers specialized machinery and automation solutions designed to meet the rigorous demands of the automotive industry. Our Experience gives solutions in Sensors, motions and process Area enhances accuracy and efficiency in the production of automotive components, from assembly lines to quality inspection.



RUBBER INDUSTRY

For the rubber industry, our solutions streamline processes and improve the precision required in moulding, cutting, and shaping rubber products. Our SPM machinery ensures durability and efficiency, enabling high-volume production without compromising on quality.



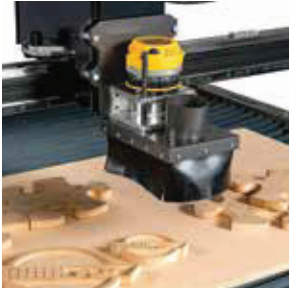
FMCG (FAST-MOVING CONSUMER GOODS)

In the FMCG sector, GENESIS INDIA automation solutions help maximize production speed and quality. From packaging to inspection, our machines ensure the rapid, efficient, and consistent production needed to meet high consumer demand.



DIAMOND AND JEWELLERY

Our solutions for the diamond and jewellery industry include high-precision machinery capable of handling delicate processes with exceptional accuracy. GENESIS INDIA helps manufacturers achieve intricate designs and quality control, essential for high-value products.



CNC / VMC / CNC ROUTER

GENESIS INDIA offers specialized CNC, VMC (Vertical Machining Centres), and CNC router machines that cater to a wide range of industries needing high-precision manufacturing. Our Equipment's deliver unparalleled accuracy, speed, and efficiency for complex machining tasks, supporting everything from prototyping to mass production.



LASER MARKING AND CUTTING INDUSTRIES

In the FMCG sector, GENESIS INDIA automation solutions help maximize production speed and quality. From packaging to inspection, our machines ensure the rapid, efficient, and consistent production needed to meet high consumer demand.



PLANT AUTOMATION

Genesis India provides tailored plant automation solutions using PLC, SCADA, and IIoT technologies. Backed by expert teams and years of experience, we deliver end-to-end systems that optimize operations, boost productivity, and enable data-driven decision-making through seamless process integration.

With GENESIS INDIA as your automation partner, you gain access to top-tier SPM machinery & custom solutions across these industries, designed to help you achieve greater operational efficiency, reduce costs, and stay ahead of market demands. Trust GENESIS INDIA for your automation needs and experience the future of manufacturing today

CUSTOMIZE SOLUTIONS IN FACTORY AUTOMATION



SPM SOLUTIONS

Genesis India specializes in manufacturing special-purpose machines tailored for diverse industries, including Automobile, Textile, Diamond, Jewelry, FMCG, and Pharmaceuticals. Our high-performance solutions ensure efficiency, precision, and innovation for sector-specific needs



VISION SYSTEM OF IN INDUSTRY OF PHARMACY

At Genesis India, we deliver advanced vision system solutions tailored to diverse industries. Our expertise includes Go-No-Go applications for precise decision-making, defect detection in printing, high-precision monochrome quality checks, and batch integrity verification. We also offer customized solutions to address unique production challenges, ensuring superior accuracy, efficiency, and reliability for optimal quality control.



UTILITY MANAGEMENT

At Genesis India, we address utility costs like water, electricity, and production losses with tailored solutions to optimize efficiency. Leveraging industry expertise, we help reduce expenses and minimize losses, enhancing overall operational performance.

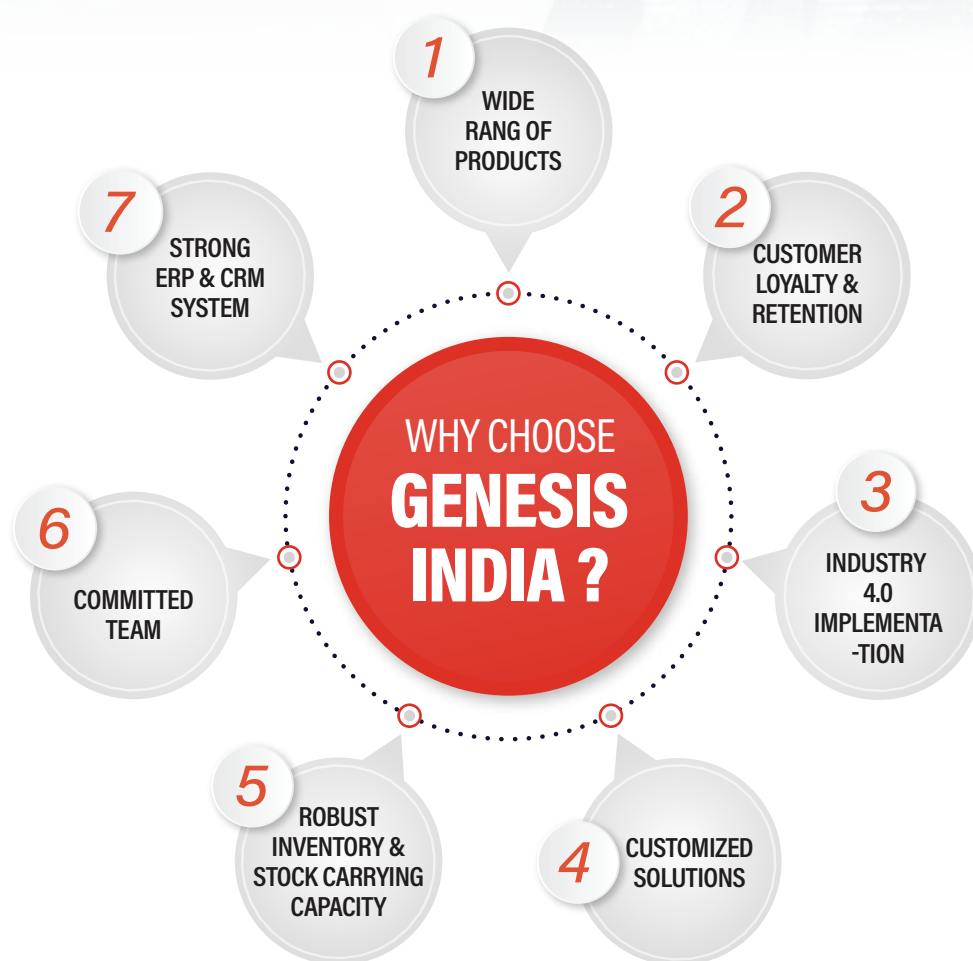


PREDICTIVE MAINTANCE OF MACHINE & PLANT

Our innovative solutions focus on predictive maintenance, power optimization, and cost-efficient production. By monitoring equipment health in real-time, we prevent unexpected breakdowns and extend equipment life. Our power management systems reduce energy waste, while automation increases production efficiency, maximizing output and minimizing operational costs. These advancements help our clients enhance production capacity, reduce downtime, & achieve substantial cost savings.

OUR STRENGTHS

At GENESIS INDIA, we pride ourselves on providing state-of-the-art SPM (Special Purpose Machinery) solutions tailored to meet the unique demands of various industries. With our advanced SPM machinery, cutting-edge automation, and expert team, we empower businesses to achieve new levels of precision, efficiency, and scalability in their production processes.



With GENESIS INDIA, you gain a partner committed to driving your business forward with innovative solutions, personalized service, and a deep understanding of industry needs. We are here to be your trusted automation and manufacturing partner, providing the strength and reliability your business deserves.

VALUABLE CLIENT



GENESIS TECHNOMATION INDIA PVT LTD

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