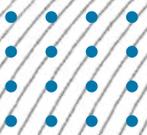




DAMPL

"Your Automation, Our Innovation."

DHYAN AUTOMATION MACHINERY PVT. LTD.



ABOUT US

Dhyan Automation Machinery Pvt. Ltd. is a leading provider of innovative automation solutions designed to optimize industrial processes. Specializing in the design, development, and manufacturing of high-quality machinery, we aim to enhance productivity, efficiency, and precision for our clients. With a focus on cutting-edge technology and sustainable practices, our team of experts delivers tailored automation systems that meet diverse industry needs. Committed to excellence, Dhyan Automation ensures reliable and cost-effective solutions, making us a trusted partner in the automation sector. We prioritize customer satisfaction, continuous improvement, and forward-thinking solutions to drive success in every project.



MISSION

The mission of Dhyan Automation Machinery Pvt. Ltd. is to deliver innovative, high-quality automation solutions that enhance operational efficiency and productivity for industries worldwide. We are committed to providing cutting-edge machinery and systems that meet the evolving needs of our customers. Through continuous research and development, we aim to drive technological advancements, ensuring that our products are reliable, cost-effective, and sustainable. Our goal is to be a trusted partner in automation, offering exceptional customer service, fostering long-term relationships, and contributing to the success and growth of our clients across diverse sectors.

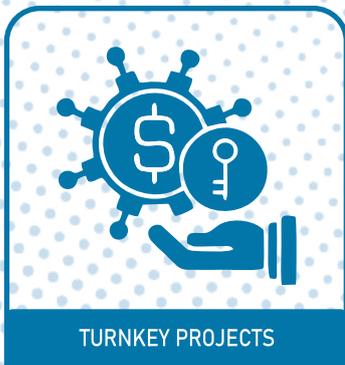
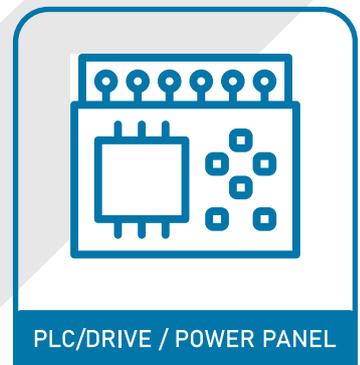
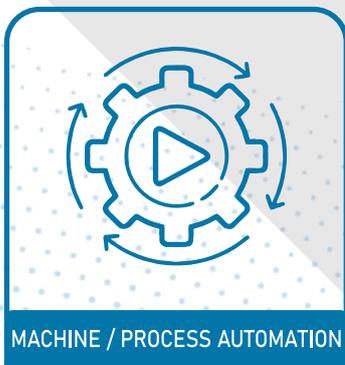
VISION

The vision of Dhyan Automation Machinery Pvt. Ltd. is to be a global leader in automation technology, revolutionizing industries through innovation, precision, and sustainability. We aim to empower businesses with state-of-the-art machinery that drives efficiency, reduces costs, and enhances productivity. By embracing cutting-edge technologies and fostering a culture of continuous improvement, we strive to set new standards in the automation sector. Our vision is to create long-term value for our customers, employees, and stakeholders, while contributing to the advancement of industries worldwide, ultimately shaping a smarter, more efficient future for global manufacturing.

WHY AUTOMATION

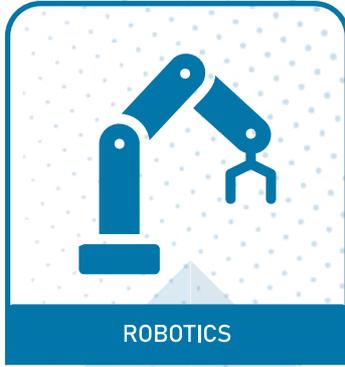


OUR SERVICES





PRODUCT DISTRIBUTION

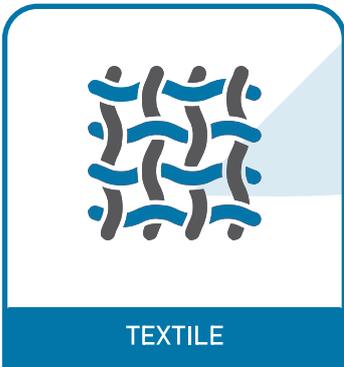


ROBOTICS



VISION AUTOMATION

OUR SERVICES



TEXTILE



FMCG



PHARMA & PACKAGING



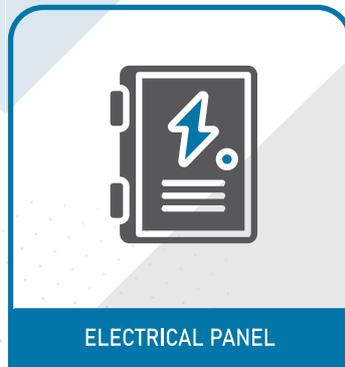
WASTE WATER



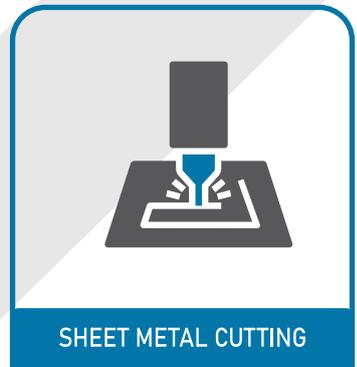
METAL INDUSTRY



AUTOMOBILE



ELECTRICAL PANEL



SHEET METAL CUTTING



CONSTRUCTION



PLASTIC



TYRE INDUSTRY



WOOD WORKING

SOLUTIONS FOR TEXTILE INDUSTRY



Textile is an industry that relies heavily on fine details of many things, from stocks of raw materials to efficient functioning of equipment to workforce management. We can help you automate almost all of these and weave higher success for your business.

SOLUTIONS FOR TEXTILE INDUSTRY

- Hacoba warping, Monfort Processing machine, Morrison machine, Suzuki warping, CCI loom and warping, Chinese Sample loom and warping, Tsudakoma, Toyota, Sulzer, Picanol, etc.
- Sample looms CCI and chinese, suzuki warping (7meter, 10meter, etc), Kalmeyer Suzuki warping, Sample warping CCI and Chinese.
- In Double beam Looms machine Tension control system by Servo drive, PLC, HMI, and Gear box.
- Retrofitting in Suzuki warping, Jigar machine, Looms, Gill box, Comber, Process of Denim, Sample loom chinese and CCI and sample warping and etc.
- Packaging:- Machine retrofitting, Panel manufacturing, PLC, DRIVE, HMI programming.
- Textile industry and construction industry.
- And packing and cut to length application and weighing application.

SOLUTIONS FOR TEXTILE INDUSTRY

01 STENTER MACHINE

- PLC & VFD Drive based Automation System
- Encoder based fully automatic width adjustment system
- Load cell based tension control and zone wise manual
- Tension adjustment with speed ratio(Stretch)

03 ELECTRONIC JIGGER

- Auto process with recipe management
- Close loop control synchronized motors with drives
- Auto Cycle System

05 SIZING MACHINE

- Precise load cell based tension control
- Precise PID based temperature control and moisture control
- Close loop control synchronized motors with servo drives

07 RETROFITTING SOLUTIONS

- Upgradation to latest software and hardware to achieve advantages like recipe
- Achieve the highest quality, speed, efficiency and reduce production cost
- With minimum investment achieve faster ROI

02 SHRINKING RANGE

(Finishing Cum Singeing Machine)

- Precise load cell Or Dancer based tension control & zone wise manual tension adjustment with speed ratio (Stretch)
- Precise PID based temperature control and moisture control Burner interlocks with safety system

04 DIRECT & SECTIONAL WARPING MACHINE

- PLC, VFD & Servo Drive based Automation System
- Efficient Yarn Break Stop Motion Sensors
- Automatic Yarn Tension Adjust System in Creel

06 ROPE DYING MACHINE

- Precise dancer based tension control
- Precise PID based temperature control and moisture control
- Auto Dosing system for color & chemical dosing

08 CHEMICAL COOKING SYSTEM

- Recipe control for each and every quality
- Steam condensate control in cooker system
- Generate reports of daily usage and chemical quantities for every batch



In the post COVID new world, the pharmaceutical industry is facing rapid transformation challenges.

We can help you meet them with increased veracity and precision, supported by reliable data sets driven actions.

SOLUTIONS FOR PHARMA & PACKAGING INDUSTRIES

01 TABLET PRESS MACHINE

- SCADA system with all functionality of 21 CFR Part 11
- High speed press with double rotary production line
- Graphical representation of forces with histogram and reports
- Automatic time and revolution based sampling/rejection
- Servo based position control for all compression

03 ROLL COMPACTOR

- HMI System with 21CFR Part 11 and Report Printing
- Auto Control System for Powder Granul Production
- Servo Based Position Control for Fine and Corse Granulators

02 INJECTABLE LIQUID & POWDER FILLING MACHINE

- Servo electronic actuator based filling system with upstanding accuracy
- Automatic rubber stopper system with online sealing of vials for contamination prevention
- Online automatic Sampling/Rejection System and Printing

04 STICKER LABELLING MACHINE

- Speed up to 40 to 350 vials per minute
- 21CFR Part 11 based SCADA System with Online Printing
- Online Rejection of Vials and Pre-Rejection of Stickers

05 IBC

- Time and rotation based blending Machine for powder mixing process with different speed and safety features
- HMI System with 21CFR Part 11 and Report Printing

06 BIO REACTOR

- We are proud to be a part for developing bio reactor system which is used to development of vaccine production, stem cell therapy and biological manufacturing
- 21 CFR part 11 based scada with modular type automation system, data management along with cloud connectivity and past batch comparison

SOLUTIONS FOR WATER MANAGEMENT



Automation and control systems play a crucial role in ensuring competent water management. We can help you develop water resources engineering to control, regulate and manage water with a wide lineup of applications along with latest PLC & VFD drive based Automation System.

SOLUTIONS FOR WATER MANAGEMENT

01 MBR/ETP PLANT

- Automatic Valve and Pump control, based on process cycle
- Auto level controlled dosing system
- Automatic flow control via PID valve and flowmeter
- Automatic valve sequence control

04 STP PLANT

- Precise flow control via PID valve and flow meter
- Automatic valve control system
- Process cycle based automated pump control
- Preprogrammed level controlled dosing system

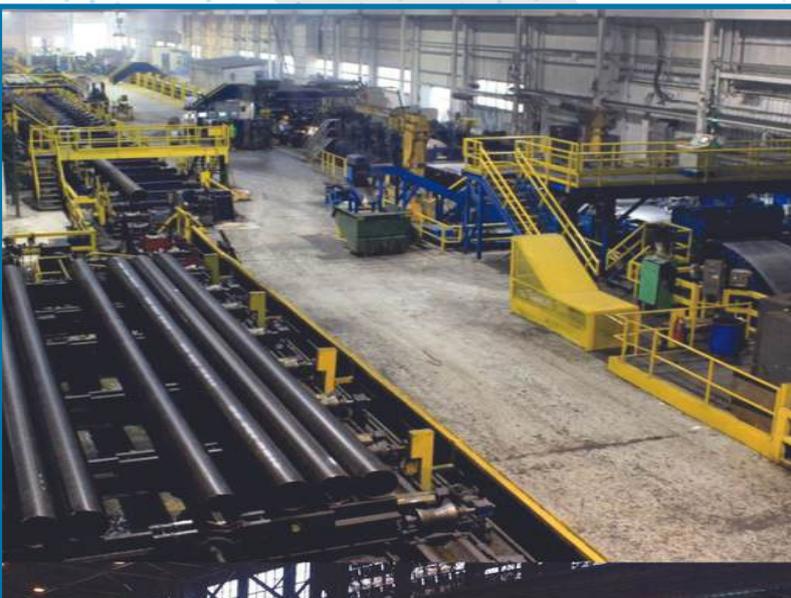
02 UF PLANT

- Different types of membrane cleaning system
- Dosing system with automatic level control
- PID valve and flow meter for automatic water flow
- Process cycle based automated pump control

05 RO PLANT

- Dosing system with automatic level control
- Self-regulating pumps and valves system
- Auto activating high and low switches

SOLUTIONS FOR METAL INDUSTRY



Automation paves way for much safer and more efficient metal production, helping industries meet the ever-increasing demands for metal. Our solutions enable controlling the material composition and temperatures with precision.

SOLUTIONS FOR METAL INDUSTRY

01 COLD PILGER MACHINE

- VFD driven pinch roll motor for automatic pipe loading and unloading
- Sensor based system for detection of new pipe requirement
- Servo drive based turning and feeding as per HMI set values
- Quick response for position control using encoder
- Automatic length based joint detection to slow down the main chair while processing joint
- Pneumatic based automatic oil filling system inside the pipe for smooth pipe feeding

02 AUTOMATIC TROLLEY WITH LINEAR/ROTATING MOTION

- Synchronized Linear and rotation movement of pipe with UT probe
- Programmed in such a way that it automatically counts the total number pipes in final stage
- After completion of testing the trolley will automatically move to its home position

03 ERW LINE

- Forming and sizing section is operated by multiple servo Drives
- All sections are synchronized with linear speed of machine
- Top and bottom role are kept in synchronization according to machine speed

04 FURNACE

- All temperatures are automatically controlled with PID controllers
- Heated Billet automatically go out through Drive Driven
- Pusher and Conveyor system for extrusion process
- Automatic loading of billet into furnace
- Programmed in such a way that we can track billet's real time position
- Report analytics using SCADA system

05 LASER SHEET METAL CUTTING APPLICATION

- Laser Cutting Head
- Controller
- Height Controller

SOLUTIONS FOR ROBOTICS



Robotics is vital for industrial automation, boosting efficiency and safety. Robots work with precision, reducing errors and enhancing quality, at consistent high speeds, improving workflow efficiency. They enable human workers to focus on more complex responsibilities.

SOLUTIONS FOR ROBOTICS INDUSTRY

01 APPLICATION IN INDUSTRIES

Auto Manufacturing

- Loading & Unloading
- Spraying
- Assembly
- Inspection
- Screwdriving
- Pick & Place

FMCG

- Loading & Unloading
- Handling
- Labeling
- Measuring
- Testing
- Palletizing

Consumer Electronic

- Loading & Unloading
- Welding
- Assembly
- Gluing
- Handling
- Palletizing

Medical/Pharma

- Extracting Liquid
- Mixing Liquid
- Moving Liquid
- Cutting bone
- Biops
- Puncturing

Semiconductors

- Loading & Unloading
- Photoetching
- Cleaning
- Sculpting
- Subside
- Tending

- 2 kg and 5 kg maximum payload options.
- Customizable outer shell colors allow for coherent styling in stores.
- Ultralight and easy to use with multiple built-in safety features.
- Ideal for commercial applications like beverage, restaurants, physiotherapy, etc.

- Pick & Place
- Making latte art
- Coffee Machine
- Ice Cream Parlor
- Massage
- Video & Photography

SOLUTIONS FOR INDUSTRY 4.0



Industry 4.0 revolutionizes industrial automation through interconnected systems, IoT, AI, and data analytics. It facilitates real-time communication between machines, enabling predictive maintenance, process optimization, and improved quality control in sectors like in manufacturing.

SOLUTIONS FOR INDUSTRY 4.0

01 REAL-TIME OPTIMIZATION

- Continuous monitoring and analysis
- Facilitates real-time process optimization
- Enhances resource allocation
- Fine-tunes production parameters

03 EDGE COMPUTING

- Utilizes edge computing capabilities
- Enables data processing at the network edge
- Minimizes data latency
- Enhances data security and privacy

02 PREDICTIVE MAINTENANCE

- Identifies equipment issues proactively
- Reduces downtime and disruptions
- Prolongs asset lifespan
- Increases operational efficiency

04 CUSTOMIZED DASHBOARD & REPORTS

- User-friendly and intuitive display
- Real-time insights into machine performance
- Alerts & notifications
- Historical data analysis & planning

SOLUTIONS FOR CONTROL & POWER PANEL



Control and power panel automation solutions are vital across industries, serving as the backbone for efficiency and reliability. As experts, we provide industry-aligned solutions, integrating control panels with advanced power systems. Our tech-led solutions ensure accurate control and regulation of critical processes.

SOLUTIONS FOR CONTROL & POWER PANEL

01 PANEL MANUFACTURER

- We manufacture various electrical control panels like.
- PLC Based Control Panel-MCC Panel
- VFD Control Panel- PCC Panel
- Control Desk-PDB
- Starter Control Panel- APFC
- Flame Proof Panel-ACDB
- Fire Pump Panel-DCDB
- ATS Panel
- Soft Starter Panel

02 ENGINEERING SERVICES

- We also provide industrial services which includes automation, electrical design, engineering FAT, pre commissioning, commissioning, SAT, training and handover
- System coding/software development for PLC & Scada systems
- On site commissioning of control panel
- Breakdown and preventive maintenance services
- Annual maintenance and service contract
- Automation panel engineering drawing including general arrangement, control scheme and wiring diagram using advance software

CONSTRUCTION PROJECTS



CRAWLER CRANE



GANTRY CRANE



HYDRA CRANE



TRUCK MOUNTED CRANE



TOWER CRANE



LOADER CRANE



STACKER CRANE



BATCHING PLANT

- Fusion crane, crawly crane, Eot crane, Batching Plant, All types crane, Robo bender and shear cutter, etc.
- Batching plant automation and programming and project execution.
- Crane automation and material supply and all type programming and wiring and execution.
- Successfully running 80+ projects at L&T last 8 years.
- lot based all projects executed in crane and batching plant.
- Robo bender machine automation and Shear cutting machine automation.
- Crane project execute 80+
- Batching plant project execute 30+
- Material supply at L&T in Energy division and ECC division.
- All Projects are made in PLC HMI & Scada

Packing Machine

4 Head Fully Automatic Incense Sticks Counting &

Our Range of Packaging Machinery

Incense Sticks Packaging Machinery

- (1) 2 Head Incense Sticks Counting Packing Machine
- (2) 2 Head Incense Sticks Weighing Packing Machine
- (3) 2 Head Incense Sticks Counting & Weighing Packing Machine
- (4) 4 Head Incense Sticks Counting Packing Machine
- (5) 4 Head Incense Sticks Weighing Packing Machine
- (6) 4 Head Incense Sticks Counting & Weighing Packing Machine

Specifications

- Machine Speed: 5 to 50 Pouch/Minute (Depends on Size & Qty.)
- Production Capacity: 2400 to 24000 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Length of Incense Sticks: 8" to 12"
- Diameter of Incense Sticks 2.8 to 3.5mm.
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- Center Sealing Or Side Sealing As Per Requirement.
- 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 4 Head Design For Incense Sticks Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Incense Material Finished.



4 Head Fully Automatic Dhoo Sticks Counting & Packing Machine

Our Range of Packaging Machinery

Dhoo Sticks Packaging Machinery

- (1) 2 Head Dhoo Sticks Counting Packing Machine
- (2) 2 Head Dhoo Sticks Weighing Packing Machine
- (3) 2 Head Dhoo Sticks Counting & Weighing Packing Machine
- (4) 4 Head Dhoo Sticks Counting Packing Machine
- (5) 4 Head Dhoo Sticks Weighing Packing Machine
- (6) 4 Head Dhoo Sticks Counting & Weighing Packing Machine

Specifications

- Machine Speed: 5 to 45 Pouch/Minute (Depends on Size & Qty.)
- Production Capacity: 2400 to 24000 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Length of Dhoo Sticks 3" to 10"
- Diameter of Dhoo Sticks 2.8 to 10mm. (As per Customer Requirement)
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- Center Sealing Or Side Sealing As Per Requirement.
- 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 4 Head Design For Dhoo Sticks Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature
- Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Dhoo Material
- Finished.



2 in 1 4 Head Fully Automatic Agarbatti & Dhoo Stick Counting & Packing Machine

Our Range of Packaging Machinery

2 in 1 Incense Sticks & Dhoo Sticks Packaging Machinery

- (1) 2 Head Incense Sticks & Dhoo Sticks Counting Packing Machine
- (2) 4 Head Incense Sticks & Dhoo Sticks Counting Packing Machine
- (3) 4 Head Incense Sticks & Dhoo Sticks Weighing Packing Machine
- (4) 4 Head Incense Sticks & Dhoo Sticks Counting & Weighing Packing Machine

Specifications

- Machine Speed: 5 to 30 Pouch/Minute (Depends on Size & Qty.)
- Production Capacity: 2400 to 15000 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Length of Dhoo Sticks 3" to 10" & Length of Incense Sticks: 8" to 12"
- Diameter of Dhoo Sticks 2.8 to 10mm. (As per Customer Requirement)
- Diameter of Incense Sticks: 2.8 to 3.5mm. (As per Customer Requirement)
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- Center Sealing Or Side Sealing As Per Requirement. 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 2 Head Design For Dhoo Sticks & 2 Head
- Design For Incense Sticks Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature
- Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Material Finished.



4 Head Fully Automatic Dhoop Cone Counting & Packing Machine

Our Range of Packaging Machinery

Backflow Incense Cone/Dhoop Cone Packaging Machinery

- (1) 2 Head Dhoop Cone Counting Packing Machine
- (2) 2 Head Dhoop Cone Weighing Packing Machine
- (3) 2 Head Dhoop Cone Counting & Weighing Packing Machine
- (4) 4 Head Dhoop Cone Counting Packing Machine
- (6) 4 Head Dhoop Cone Weighing Packing Machine
- (5) 4 Head Dhoop Cone Counting & Weighing Packing Machine

Specifications

- Machine Speed: 20 to 22 Pouch/Minute (As Per 20 Cones/Pouch Calculation)
- Production Capacity: 9600 to 10600 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Diameter of Dhoop Cone: 12 to 16mm. (Required Exact Size)
- (Height of Cones: 1" to 2".
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 4 Head Design For Dhoop Cone Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature
- Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Dhoop Material Finished.



Fully Automatic Agarbatti Counting Machine



Specifications

- Machine speed :- 3 – 30 Bucket per minute (Depends on quantity of stick) Production capacity :- 1440 – 14400 per /8 hours.
Required Power :-3hp single phase.(2hp compressor)
Length of stick :- 8" to 12" any
Diameter of stick:- 2.8 to 3.5mm
1 head or 2 head or 4head as per production required.
PLC and HMI touch screen based machine.
Automatic and manual all function are available.
Heavy rigid structure
Easy operating system for machine
Machine auto stop while production complete which set in touch screen data.
Material damage control sensor also in
Machine so never material drop from last bucket.

MACHINERY PROJECTS

Fully Automatic Dhoop Sticks Making Machine

Semi Automatic Dhoop Sticks Making Machine

Fully Automatic Sambrani Cup Making Machine

Semi Automatic Sambrani Cup Making Machine

Sealing Machine

Shrink Tunnel Machine

Incense Sticks & Dhoop Sticks Dryer

Mixer Machine

OUR PRODUCT RANGE

PLC & HMI



MITSUBISHI PLC



SCHNEIDER PLC



GIC PLC



DELTA PLC



SIEMENS PLC



SCHNEIDER HMI



GIC HMI



DELTA HMI



MITSUBISHI HMI



SIEMENS HMI



EXOR HMI

DRIVE & SERVO & MOTION



ABB VFD



DELTA VFD



MITSUBISHI VFD



CONTROL
TECHNIQUES VFD



MITSUBISHI SERVO



DELTA SERVO



MITSUBISHI MOTION

SCADA



COMMUNICATION GATEWAY AND PROTOCOL



GIC SLIM RELAY

GIC ANNUCIATOR



SMPS 5VDC & 12VDC & 24VDC & 10VDC



ENHANCE YOUR SYSTEM WITH
RS-485 MODBUS COMMUNICATION



GIC SWITCH MODE POWER SUPPLY

Our upgraded SMPS delivers top-notch features such as:

- High reliability
- Lightweight
- High efficiency
- Operation temperature range: 20 to 55°C

Experience enhanced performance and reliability.

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Siyaram's

GBTL



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A RELIANCE PRODUCT

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DURATEX
...fashion unscripted



GWELD
SEAL OF TRUST

ARVIND
LIFESTYLE FABRICS - DENIMS



Resonant
Energy Solutions
Bringing Resonance in Operations



pima
controls

CHIRIPAL



DAMPL

"Your Automation, Our Innovation."

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