

FUTURE

IS AUTOMATION



THEMIS
AUTOMATION

A STEP BEYOND IN AUTOMATION

www.ThemisAutomation.com



MAKING YOUR TRANSFORMATIVE JOURNEY EASIER, BY TAKING AUTOMATION AT ITS PINNACLE

With the advancement in the Industrial Internet of Things, the world is getting smarter and hungry for more and more efficiency in everything. The future belongs to manufacturers who can collect as much information as possible, develop insights out of it and then build processes to consistently manage resources, improve quality and accelerate costs, all the while maintaining cost-effectiveness.

4000+

PANEL MANUFACTURED

2000+

CUSTOMER SERVED

14+

YEARS EXPERIENCE

90+

TEAM MEMBERS

10+

BRAND ASSOCIATED



THEMIS



VISION

To be a one stop global solution center for sustainable and efficient Industrial automation products and services across the globe.



MISSION

Our mission is to exceed customer expectations by innovative services, product applications, and execution of our respective duties.



THEMIS



ABOUT US

We help you optimize your resources & processes, so that you stay ahead of the time and competition.

As industries around the globe undergo a significant shift from being machine-driven to knowledge-driven, Themis Automation takes the lead in this transformative journey. Located in Ahmedabad, India, Themis Automation Pvt. Ltd. is a pivotal player in automation solutions and process control instrumentation, serving a diverse global clientele. With a rich history since 2009, we've witnessed the rise of automation as a central theme in the new global economy. We deeply believe in its power and potential and make it our mission to assist industries in unlocking its benefits. Our comprehensive turn-key solutions encompass everything from design and engineering to development, testing, and plant commissioning. We are driven by a commitment to excellence, collaborating with global leaders in the field to deliver world-class solutions. Our extensive portfolio spans a wide spectrum of industries, including textile, pharma, metal, automobile, energy, steel, water management, effluent/sewage treatment, oil & gas, food & beverages, dairy, airports, power generation, and more.

Legacy of Expertise

Over a decade of experience in pioneering automation solutions

Global Impact

Serving a diverse clientele across numerous industries worldwide

End-to-End Excellence

Offering comprehensive turn-key solutions, from design to commissioning

Industry Diversification

Extensive experience across multiple sectors, from pharma to power generation

If data is the new oil, automation is the growth engine of the new world.



WHY AUTOMATION



REDUCE COST



IMPROVE OPERATIONAL
EFFICIENCY



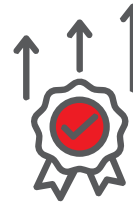
INCREASE
PRODUCTIVITY



DIGITALIZATION



PREDICTIVE
MAINTENANCE



Improving
Quality



OUR SERVICES



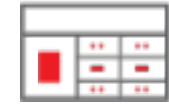
MACHINE / PROCESS
AUTOMATION



PLC / SCADA / DRIVE
SYSTEM



INSTALLTION &
COMMISSIONING



PLC/DRIVE / POWER
PANEL



TURNKEY
PROJECT
S



SOFTWARE
DEVELOPMENT



CONSULTANCY & PLANT
ENGINEERING



IIOT / IND 4.0
SOLUTION



PRODUCT
DISTRIBUTION



ROBOTICS



VISION
AUTOMATION



INDUSTRIES WE SERVE



TEXTILE



FMCG



PHARMA &
PACKAGING



WASTE
&
WATER



METAL INDUSTRY



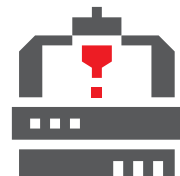
AUTOMOBILE



electrical panel



SHEET METAL
CUTTING



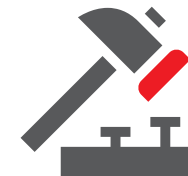
CNC



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



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

02 **SHRINKING RANGE (Finishing Cum Singeing Machine)**

- Precise load cell Or Dancer based tension control and 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



SOLUTIONS FOR TEXTILE INDUSTRY

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

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





SOLUTIONS FOR **PHARMA & PACKAGING** **INDUSTRIES**



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



SOLUTIONS FOR PHARMA & PACKAGING INDUSTRIES



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 biologicala 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

03 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

04 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



SOLUTIONS FOR METAL INDUSTRY



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 WITH ROBOTICS

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
- Robotics Surgery

Semiconductros

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



SOLUTIONS WITH ROBOTICS

02 COBOTS FOR RETAIL

- 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.

03 APPLICATION FOR RETAIL

- 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

02 PREDICTIVE MAINTENANCE

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

03 EDGE COMPUTING

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

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
- CPRI approved for panel design up to breaking capacity of 70KA of 1sec and panel enclosure with IP55
- Government approved electrical contractor for R&B and GWSSB department

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



PLC / HMI
/ DRIVES
DRIVES &
CONTROLLER
CABINET
CONNECTORS
WIRES
CABLE
SENSOR
TELTONIKA PRODUCT
AC DRIVES
HOME AUTOMATION



PRODUCT DISTRIBUTION



SIEMENS



PLC / HMI / DRIVES



LOGO logic module



S7-200 SMART PLC



S7-1200



ET 200SP



S7-1500



Basic HMI Panels



COMFORT HMI PANEL



SINAMICS V20 converters



SINAMICS G120C compact converters



G120X / G120XA



SINAMICS compact converters



SINAMICS S120



1PH8 servomotors



SINAMICS V90





DRIVES & CONTROLLER



i510 cabinet frequency inverter



i550 cabinet frequency inverter



i550 protec frequency inverter



i700 cabinet servo inverter



i750 cabinet servo inverter



i950 cabinet servo inverter



8400 TopLine frequency inverter



8400 HighLine frequency inverter



8400 StateLine frequency inverter



9400 HighLine servo inverter



C520 CONTROLLER



C550 CONTROLLER



I/O SYSTEM 1000



HMI



Geared Motors



Servo Motors



Gearboxes





CABINET / CONNECTORS

CONTROL PANEL CABINET



ETHERNET SWITCH



MICO (INTELLIGENT POWER DISTRIBUTION)



POWER SUPPLY



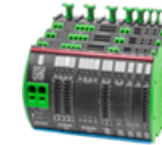
SAFETY RELAY



EMC FILTER



TRANSFORMER



MICO PRO

CONNECTION TECHNOLOGY



M8 ROUND PLUG CONNECTOR



M12 ROUND PLUG CONNECTOR



M23 ROUND PLUG CONNECTOR



ETHERNET CABLE / VISION CABLE



VALVE CONNECTOR



T-COUPLER

INTERFACE



MSDD hybrid fieldbus coupling



PASS THROUGH SOCKETS



HEAVY DUTY CONNECTORS

I/O SYSTEMS DECENTRALIZE WIRING CONCEPT



M8 Distribution Systems



CUBE 20S



CUBE 67



IMPACT 20



MVK FUSION



I/O LINK HUB WITH COUPLER



IMPACT 67



M12 Distribution Systems





WIRES / CABLE



ÖLFLEX® UNIPLUS



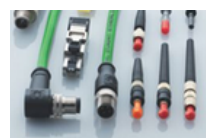
ÖLFLEX® INFRA



ÖLFLEX® 100 I/
CLASSIC 110
(Flexible Control
Cable)



UNITRONIC®
Data Communication Systems



ETHERLINE



FLEXIMARK



EPIC



HITRONIC



SKINTOP



UNITRONIC®
LIYCY 4X1,5
(Flexible Power &
Control cable)





SENSOR



PROXIMITY SENSOR



Photoelectric Sensor



Fork Sensor



Distance Sensor



Color & Contrast Sensor



Ultrasonic sensors



Safety Light Curtain



Encoder



Safety Switches



Motor feedback systems



Automatic Light Grid



Safety Laser Scanner & Area Scanner



Fiber Optic Sensor



Inclination Sensor



Safety controllers



Machine vision and Identification



Level Sensor



Accessories



Pressure sensors





TELTONIKA PRODUCT

ROUTERS



RUT 200



RUT 956



RUT 241



RUT 951



RUTX 10

GATEWAY



TRB 140



TRB 142



TRB 245



TRM 240



TRM 250

SWITCHES



TSW 010



TSW 210



TSW 110

ACCESSORIES



MOUNTING
COMPACT DIN
RAIL KIT



MOUNTING DIN
RAIL KIT





AC DRIVES



VECTOR CONTROL
DRIVE (FR500A)



MULTIFUNCTION
DRIVES (FR150A)



SOLAR PUMPING
DRIVE (PV150/150A/500)



ELEVATOR DRIVE
(FR500D)



FR30



SERVO DRIVES
& MOTORS



CABINET / CONNECTORS

I/O SYSTEMS DECENTRALIZE WIRING CONCEPT



PLCs (controllers) and I/Os



Power supply units



Industrial Ethernet switches



Cables and lines



Connectors



Distributors, adapters, and conductor connectors



Terminal blocks with system



Relays and optocouplers



Safety relay modules and sensors



EMC filters



Energy monitoring



Redundancy modules



Surge and lightning protection



Uninterruptible power supplies (UPS)



Media converters



HMI panels and industrial PCs



Control cabinet accessories





ROBOTICS



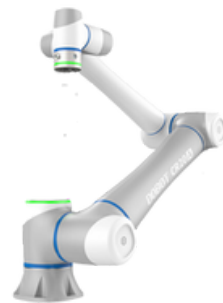
MG400



M1 Pro



Nova



CRA Series



CR Series



Dobot AMR



Auztech

奥森迪科



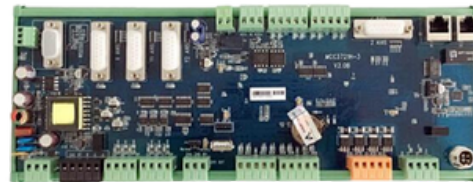
LASER SHEET METAL CUTTING



AUTO FOCUS LASER CUTTING HEAD



MANUAL FIBER LASER CUTTING HEAD



CUTTING SOFTWARE & CONTROLLER



HEIGHT SENSOR & CONTROLLER



COGNEX



IN-SIGHT 3800 VISION SYSTEM



IN-SIGHT 2800 VISION SYSTEM



IN-SIGHT-SNAPP VISION SENSOR



DATAMAN 280 SERIES



Electric Grippers



PGE Series



PGC Series



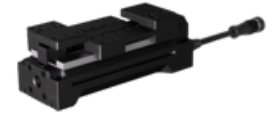
PGSE Series



PGI Series



PGS Series



PGHL Series



AG Series



CG Series



VLA Series



DLAR Series



VLAR Series



DLSR Series

Linear Coil Actuator

Linear Coil Actuator



MCE Series



RCE Series



LCE Series



RGI Series



RGD Series

Rotary Electric Grippers





EMMA



OMNIDIRECTIONAL
MOBILE ROBOT



FORKLIFT OF LITHE
AUTOMATION



MORA300



MORA COMPUTER
COLLABORATIVE ROBOT



FLEET MANAGEMENT
SYSTEM





THE THEMIS ASSURANCE : ADVANCED TECHNOLOGIES, WITH EXPERIENCE & EXCELLENCE

At Themis Automation, we see technologies as tools to help industries make smart decisions and utilize their resources meaningfully. We use automation and control panels to achieve this.

With this clear aim, we offer our customers some unique advantages:

WIDE SPECTRUM

We act as a One-Stop Solution Provider with complete flexibility, catering to a broad gamut of needs. We work on turn-key projects from scratch and also automate existing manual machines.

FLAWLESS PRECISION

With rich experience of over a decade in various industries, we know the nuances of automation. With top-notch IT-enabled technologies, we can also provide electro-mechanical solutions.

DEEP RELIABILITY

Profound knowledge of diverse technologies and long-term relations with global leaders, we bring unmatched reliability to our partnership with customers.

THOROUGH COST EFFICIENCY

Our solutions are high-end, but not the costs. We work with strict budgets and ensure a minimum gap between planning and production. We also work towards zero downtime, with a dedicated after-installation support team.



CERTIFICATION



ISO 9001:2015



ISO 14001:2015



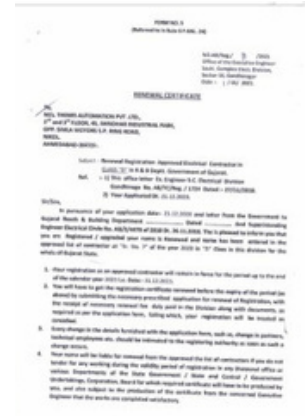
ISO 45001:2018



CPRI Approved Testing Certificate



Government Approved Electrical Contractor License



R&B Approved Electrical Contractor



R&B Approved Vendor



GWSSB Approved Vendor





OUR TEAM

Team Themis is a thoughtful mix of young and experienced professionals, bustling with enthusiasm and ability to deliver.

Highly qualified and backed with the exhaustive experience of working with diverse types of industries, our engineers can go deep into the processes, distinct for each industry, and come up with just the right solutions.

With a life-long learner attitude, we keep ourselves abreast of the latest global advancements in the fields of technology and strive to pass on the benefits to our customers.

With a go-getter approach, our team always sees the customer as an extension of the core team and works with them, not just for them.



PRESENCE

GUJARAT

Surat
Vapi
Rajkot
Morbi
Jamnagar
Baroda
Gandhidham

RAJASTHAN

Ajmer
Jodhpur
Pali
Jaipur
Udaipur
Hanumangarh
Nawalgarh
Rajsamand
Jalore

MAHARASHTRA

Thane
Mumbai

TAMILNADU

Chennai
Coimbatore

BIHAR

Patna

PUNJAB

Punjab
Pathankot

TELANGANA

Hyderabad

UTTAR PRADESH

Agra

KARNATAKA

Davangere

INTERNATIONAL

USA



CUSTOMERS



Automobile



Metal



Packaging



CUSTOMERS



Pharma



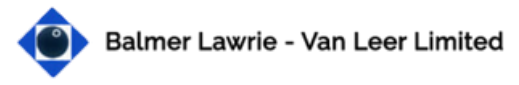
Textile



CUSTOMERS



Plastic



Water



Foundry



INTERNATIONAL CUSTOMERS





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