



ECO MECHATRONICS AUTOMATION

Plat No. 6/D And 10/C Sector-B Sanwer Road
Industrial Area Indore Indore-452015

✉ sales2.ecomechatronics@gmail.com

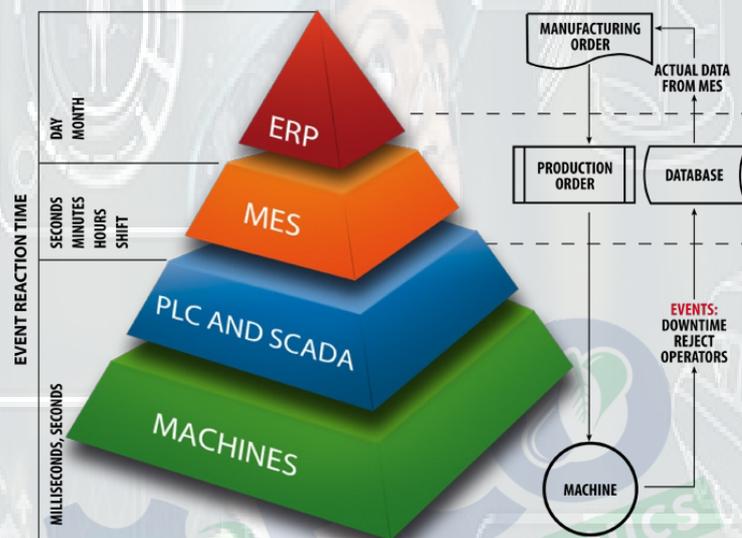
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ABOUT OUR COMPANY

“ECO MECHATRONICS AUTOMATION” we pride ourselves on being one of the leaders in improving workplace environments through Industrial Automation with Top Quality Engineering Practice ensuring the best possible surroundings for you and your staff.

“ECO MECHATRONICS AUTOMATION” founded in the year 2017 a defined name behind Innovation for manufacturing of user friendly products, self driven leading player and solution provider in Complete Industrial Automation, Instrumentation & Control Systems integrator offering technical solutions and services covering wide range of various sector industries and applications (Central/State Govt./PSU/Private sector organizations), Calibration, Design and Manufacturing of various excellent quality Electrical Panels (PCC, MCC and APFC type), Instrumentation Equipments/Spares for its existing and targeted customers resulting in repeated orders from the existing customers located in Indore, Madhya Pradesh of Central India.

VISION



The company was created with the vision of effectively integrating emerging technologies in the Automation and information Systems industries and successfully running it's business with more persistently across the country. The vision of “ECO MECHATRONICS AUTOMATION” is of a highly trained/skilled and efficient self esteemed team members to understand the customer need/requirement and Design, Manufacture, supply, supervision, installation, erectioning and commissioning of our profile based various Equipments/Instruments/Parts/Assemblies as per customer needs as well as ready for anything that may occur incidentally/accidentally with the equipments and quick to respond to customer needs concerns.

MISSION

At “ECO MECHATRONICS AUTOMATION” every person in our company is a member of the designed team and equally a team player with the expectation and need that they perform their task/duties to their fullest capacity and potential in a very eco-friendly green environment and atmosphere. Our objective is a commitment to the highest level of quality product and equivalent customer service in desired time and sincerely we act accordingly with our best possible time. Complete customer satisfaction is the main focus reached through innovative and cost effective ways is the motto of the “ECO MECHATRONICS AUTOMATION”.

WHAT WE DO BETTER BUSINESS

Looking into revolution in machine form and demand in export quality product in industries, We offer industrial automation solutions based on State-of-the Art PLC, HMI and SCADA technologies for a wide range of industrial automation applications including manufacturing, utilities, Oil & Gas, and Pharmaceuticals industries to improvise and enhance their production capacity with best quality.

ELECTRICAL PANEL

We are a leading manufacturer/supplier of high-quality electrical panels and automation solutions. With a commitment to innovation, safety, and reliability, we have established ourselves as a trusted partner for various Automation Industries in need of cutting-edge electrical distribution and control systems throughout the World.

Classification Of Designed Panels:-

- Power Control Panel(Pcc Panels)
- Motor Control Panel(Mcc Panels)
- Automatic Power Factor Control Panel
- DG Synchronization Panel
- Feeder Panel
- VFD Control Panels
- Fire Alarm Panels
- AMF Panels



INDUSTRIAL AUTOMATION

In the growing technologies of the Modern world most of the conventional controls of relay-contactor-based logics are being replaced by PLC based systems. We offer several makes of PLC such as Schneider, Siemens and Mitsubishi, Delta as per client requirements. Our engineering team is capable of providing support for end to end solutions.

- PLC / HMI / SCADA / DCS based systems
- Centralized and Distributed IO systems
- Heat Treatment Automation System
- Electroplating Line Automation,
- Building Management System
- Energy Management System
- Electrical Motor /Transformer Testing Desk
- Leak Testing System
- Spot Welding Automation
- Eot Crane Panels, IoT System
- Flour Mills Automation system
- Process Control system
- Liquid Dispensing systems
- Rice Mills Automation systems
- Multi-Grain recipe system
- Substation Automation systems
- Remote Monitoring systems
- Pump house automation system
- Refineries automation system
- Building Management systems
- Parking Ventilation panels



MECHATRONICS SOLUTIONS

We have our in-house infrastructure and facilities with capacity & capability to Research, design and build all types of Critical industrial equipment/components/spares, In the meantime we also offer this service to outside clients as well supplying panels as per their need and design plan.

Field of Specialization / Project Done :-

Conveyor Systems



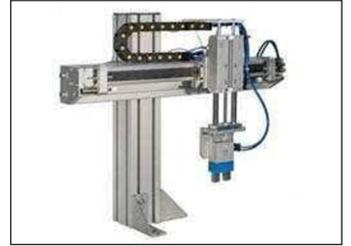
Eddy Current Sorting



SPM Machine Solution



Pick and Place Solution



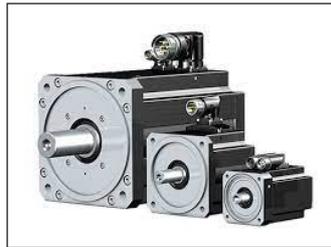
Inspection System



Linear Guideway



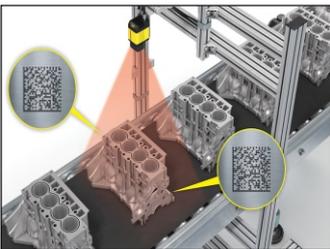
Servo Motors and Gearbox



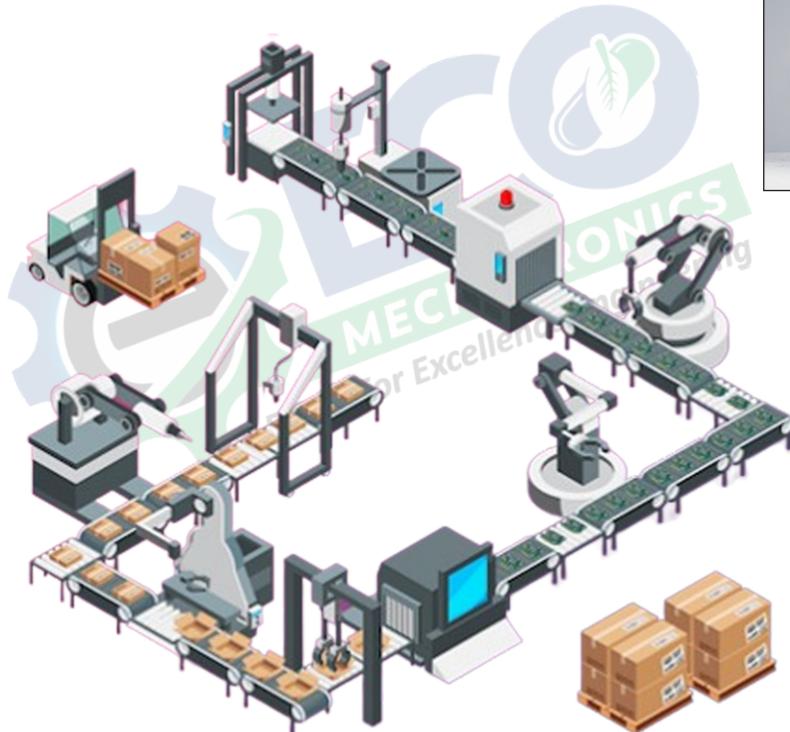
Robotics System



Barcode, Scanner & Sensors



AI Frame Profile Customizable



ECO CALIBRATION EQUIPMENT

We are a leading provider of precision calibration instruments designed to ensure the accurate and reliable measurement of humidity, temperature, pressure, and flow. With a commitment to quality, innovation, and customer satisfaction, we empower industries worldwide to achieve optimal operational efficiency, regulatory compliance, and product integrity.

Products Range :-

Temperature Calibration Instruments



IR Temperature Calibrator



Humidity Calibrator



Muffle furnace



RPM Calibrator



Incubator



Water Bath



Electrical / Electronics / Instrumentation Calibration Test Bench



ECO REFRIGERATION PRODUCTS

Eco Mechatronics is a leading innovator in the field of refrigeration products manufacturing, dedicated to delivering cutting-edge solutions for both commercial and residential applications. With a commitment to excellence and sustainability, we have established ourselves as a trusted name in the industry.

Panel AC

We can produce Customized Solution in any capacity as per industrial need.



MODEL NO	CAPACITY (W)	RATED CURRENT (Amp)	POWER CONSUMPTION (KW)	PHASE (Ø)	DIMENSIONS H x W x D (MM)
ECO-AC-025	250	1.6	0.20	1PH	480x 300x250
ECO-AC-060	600	2.0	0.26	1PH	480x 300x250
ECO-AC-100	1000	3.5	0.60	1PH	700x 350x275
ECO-AC-150	1500	3.6	0.82	1PH	700x 350x275
ECO-AC-200	2000	5.3	0.95	1PH	700x 350x275
ECO-AC-350	3500	7.8	1.60	1PH	1000x 400x380
ECO-AC-700	7000	16.5	3.7	1PH	1000x 400x380

REFRIGERATED AIR DRYER

- Copper "TUBE & TUBE" Non Corrosive Heat Exchanger, Designed to have lower pressure Drop and Higher Efficiency contains in built centrifugal moisture separator having dead zone to avoid carry over of condensate.
- PUF Insulation for heat exchanger assembly.
- Electronic (Digital) timer operated auto drain valve.
- Universally available refrigeration components like Condenser, Compressor, Fan Motor, Filter, Expansion valve etc.

TECHNICAL SPECIFICATION

Sr. No.	Model	Nominal Capacity		Electrical Connection		Rated Power KW
		cfm	m ² /h	1-ph	3-ph	
1	ECORD-002	20	34	✓		0.15
2	ECORD-004	40	68	✓		0.20
3	ECORD-006	60	102	✓		0.40
4	ECORD-008	80	136	✓		0.50
5	ECORD-010	100	170	✓		0.60
6	ECORD-015	150	225	✓		0.90
7	ECORD-020	200	340	✓	✓	1.20
8	ECORD-025	250	425	✓	✓	1.40
9	ECORD-030	300	510	✓	✓	1.60
10	ECORD-040	400	680		✓	1.90
11	ECORD-050	500	850		✓	2.30
12	ECORD-060	600	1020		✓	2.80
13	ECORD-070	700	1189		✓	3.70
14	ECORD-080	800	1360		✓	4.20
15	ECORD-100	1000	1699		✓	5.000
16	ECORD-120	1200	2039		✓	5.45
17	ECORD-150	1500	2550		✓	6.80



ECO WATER COOLER



Unique Features :-

- Faster Cooling
- Complete Stainless Steel Body Including Base Plate, Angle Structure ect.
- Inner grooved Condenser Coil for Better Heat Exchanger.
- Model Range 20 LPH. To 1000 LPH.
- Hygienic Food Grade Stainless Steel Tank.
- Certified Emerson / Toshiba make Compressor.
- PUF Insulation for lower power consumption & powerfull cooling.
- Propeller Type Quit Fan (Condenser Fan).
- Space Saying Compact Design.
- Easy To Installation and Use.
- Temperature Control : Automatic Thermostatic.

WATER CHILLER



Life cool series water chiller are specially designed for drinking water applications. It comprise Braze plate heat exchanger, stainless steel process pump, Air Cooler Condenser.

Chiller are installed with the tanks in closed loop system. It will be reticulate the water so the temperature of whole tank will goes down. Flow control, low pressure tripping, Phase sequence protection, low voltage tripping these all protections are in this chillers. Life cool series water chiller will be maintained temperature range from 5°C to 30°C to + 1°C capacity from 20tr with 50lpm to 200lpm different flow capacity.



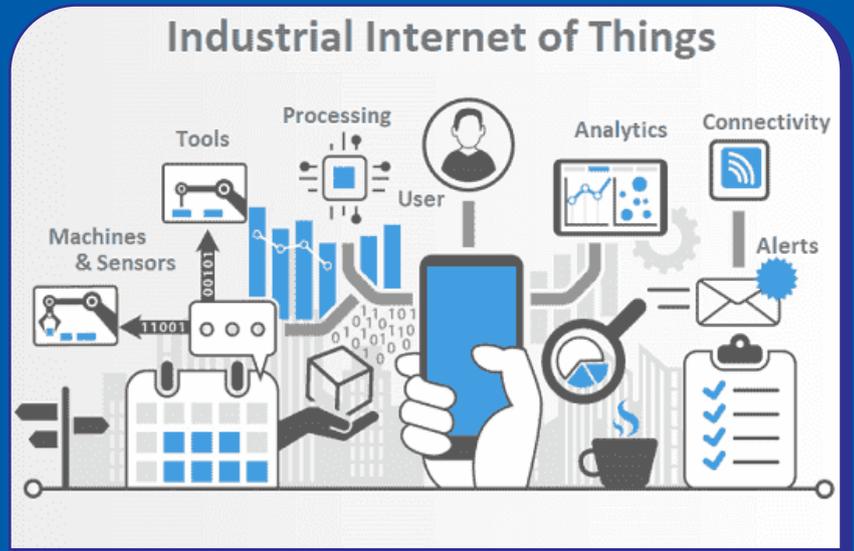
Air Cooler Chiller	Unit	LC02	LC03	LC05
Capacity	TR	2.0	3.0	5.0
Compressor	Type	Reciprocating	Reciprocating	Reciprocating
	Nos.	Single	Single	Single
Power Supply	V/Ph/Hz	220/1ph./50	440/3ph./50	440/3ph./50
Motor Speed	RPm	1350	1350	1350
Fan Size Dia.	mm	400	400	6--
Fan Quantity	Nos.	1	1	1
Air Flow	m3h	2900	2900	4500
Condensor	Fin and Tube			
Evaporator	Plate type Heat			
Cooling Capacity per Hour	Ltr/Hr	650.00	1200.00	1500.00
Chiller Pump	LPM	40	40	60
Water Inlet	Inches	1	1	1
Water Out let	Inches	1	1	1
Chiller Water Temp. Out	Deg. Centi.	7	7	7
Chiller Water Temp. In	Deg. Centi.	12	12	12
Unit Dimensions (LxWxH)	Inches	30x21x42	30x21x42	44x28x48
Unit Dimensions (LxWxH)	Kg.	80	85	130

* All Specifications are approximate and are subject to change without any prior notice.

ECO IOT RANGE

We have various types of IoT solutions, including:

- Consumer IoT (CIoT)
- Industrial IoT (IIoT)
- Enterprise IoT
- Healthcare IoT
- Smart Cities: services.
- Agricultural IoT (AIoT)
- Connected Cars
- Retail IoT:



Our Valuable Client



Why Choose Us :

- ✓ One stop solution for complete machines, tooling, software, material handing, services etc.
- ✓ Value added partner for precise product pricing.
- ✓ Easy to approach & transparent business partner.
- ✓ Innovation solution & product offerings.
- ✓ Experienced & helpful team of professionals.



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83198-11297, 9977884353, 7697200194 team.ecomechatronics@gmail.com

