RESOLINE TECHBIS

Partnering for Success







PRODUCT PROFILE

Accredited QMS IN503201401

CERTIFIED ISO 9001:2015 COMPANY



Who we are...

"RESOLINE TECHBIS" is a multi-disciplinary technical organisation that has been certified under ISO 9001:2015. We are a prominent solution provider in the domains of industrial automation, process control and instrumentation, power backup and conditioning solutions, water and waste water treatment systems, water treatment chemicals, industrial cleaning and hygiene chemicals, water and air quality monitoring systems, and various process-related projects and services for various industries, including steel, sponge and power, cement, ports, mines, water and wastewater, food and beverages, breweries and distilleries, dairy, feeds, urban and hospitality, among others.

Our solutions help you meet production goals, get higher yields, increase throughput, and reduce operating costs. Within a brief duration, we have implemented numerous on-site installations in various reputable industries to fulfill their requirements. The name includes Adani (Dhamara Port), JSW, JSPL, ESSAR STEEL, VISA Steel, TATA Power, SMC Power, Paradeep Phosphate Ltd., JK Paper Mill, Pernod Ricard, United Spirits Ltd., Denzong Breweries, OMFED, Ruchi Spices, ITC, Indo Nissin Foods, Magnum Seafood, Falcon Group, Pashupati Agrovet, CHEVROX Constructions, Z1 Estate, KIIMS Hospital, Sum Hospital, and many more.

What we do...

AUTOMATION

PLC
HMI
VFD
SCADA
SERVO MOTOR

INSTRUMENTATION

PRESSURE
TEMPERATURE
FLOW
LEVEL

ELECTRICAL & UTILITIES

UPS
SMPS
MOTOR
ELECTRICAL PANEL
VFD PANEL
PLC PANEL

UTILITY SYSTEM

WATER PUMPS
&
PROCESS CLEANING MACHINES

ENVIRONMENT SOLUTIONS

WATER TREATMENT PLANTS
&
POLLUTION MONITORING SYSTEMS

CLEANING & HYGIENE CHEMICALS

DAIRY PROCESSING
FOOD PROCESSING
BREWERY & BEVERAGE

PROGRAMMABLE LOGIC CONTROLLER



- PLC SUPPORTS DI/DO FROM 10 POINTS ONWARDS
- PROGRAM CAPACITY: 48K STEPS & MORE
- SUPPORT 100KHZ / 200KHZ HIGH SPEED COUNTER
- HIGH SPEED I/O FOR ENCODER & SERVO APPLICATION
- HIGHLY INTEGRATED SOFTWARE: PROGRAMMING LANGUAGES
- CROSS PLATFORM INTEGRATION FACILITY ON ALL INDUSTRY STANDARD COMMUNICATION PROTOCOLS
- SPECIAL MODULE OF ANALOG, DIGITAL, TEMPERATURE, COMMUNICATION, LOAD CELL & MOTION CONTROL
- POWER INPUT 230VAC / 24VDC

HUMAN MACHINE INTERFACE



- TOUCH SCREEN AVAILABLE UP TO 15" WITH TFT DISPLAY
- SUPPORT AUDIO OUTPUT
- VNC SERVER FUNCTION (REMOTE ACCESS FROM PC & MOBILE)
- FTP SERVER / CLIENT SUPPORT
- COMMUNICATION (RS232/RS422/RS485/ETHERNET/WIRELESS LAN)
- CROSS PLATFORM INTEGRATION FACILITY ON ALL INDUSTRY STANDARD COMMUNICATION PROTOCOLS

VARIABLE FRIQUENCY DRIVE (VFD)



- 1 PH / 230V: 0.04 KW TO 2.2 KW, 3 PH / 415V/600V: 0.4 KW TO 250 KW & ABOVE
- V/F, SENSORLESS VECTOR, FLUX VECTOR, TORQUE CONTROL MODES
- BUILT IN EMI FILTER & PID FEEDBACK CONTROL
- DIO/AIO/RELAY SUPPORTED
- INBUILT PLC FUNCTION
- SUPPORTS VARIOUS NETWORK PROTOCOLS (CCLINK, MODBUS, PROFIBUS, etc.)
- SPECIAL DRIVE FOR ELEVATOR, ELEVATOR DOOR, CRANE, BLOWER, CONVEYOR & PUMP APPLICATION

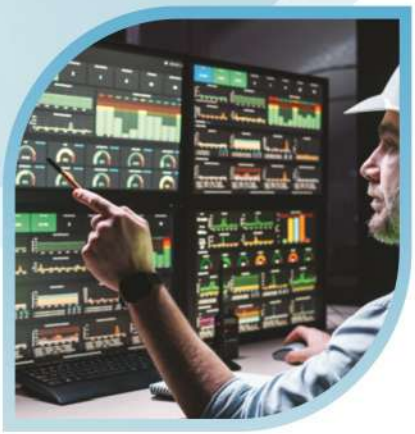
SERVO MOTOR & DRIVE



- RATED OUTPUT: 50 W TO 7KW
- RATED TORQUE: 0.16 NM TO 33.42 NM
- HIGH RESOLUTION ENCODER
- ANALOG INPUT
- DI/DO (SEQUENCE I/O) -5~3
- NEW AUTO TUNING FUNCTION SUPERIOR STABILITY
- SIMPLE OPERATION WITH MODBUS-RTU COMMUNICATION
- LONG -LIFE DESIGN

SCADA

- CLIENT VIEW SUPPORT
- REDUNDANT SCADA & COMMUNICATION PORTS
- SUPPORT CUSTOMISED REPORT
- REMOTE ACCESS TO ALARMS, DATA AND E-MAIL ALARMS, SMS ALARM NOTIFICATION
- MULTI-TOUCH GESTURE SUPPORT
- WEB-ENABLED VIDEO AND AUDIO INTEGRATION



PRESSURE INDICATOR TRANSMITTER



- PRESSURE RANGE: 1-600 BAR
- OUTPUT: 4-20 mA / HART
- POWER SUPPLY: 24 VDC
- ENCLOSURE: IP 65
- DISPLAY: LCD
- TEMPERATURE: -20 - 120°C
- CONNECTION END: FLANGED
- ACCURACY: 0.25 % OF FS

PRESSURE GAUGE



- DIAL SIZE (mm): 65, 100, 150, 200
- MOUNTING: BOTTOM/BACK
- CONNECTION: 1/8 ",1/4", 3/8", 1/2" (NPT/BSP) FLANGE/TC
- RANGE & UNIT: AS PER REQUIREMENT

RTD/THERMOCOUPLE & THERMOWELLS

- RANGE: 0-2000°C
- STEM OD: 6,8,10, 12, 16, 19 mm & CUSTOMISED
- STEM LENGTH: CUSTOMISED
- CONNECTION: CUSTOMISED





TEMPERATURE GAUGE

- RANGE: -20-600°C
- ANGLE: 360° ROTATE
- DIAL: 65, 100 mm
- STEM LENGTH & OD : CUSTOMISED

TEMPERATURE CONTROLLERS

- PID, ON/OFF, MANUAL & PID PROGRAM CONTROL MODES
- UNIVERSAL INPUT
- DUAL ALPHA-NUMERIC DISPLAY
- OUTPUT - RELAY/RS485/4-20mA





ELECTROMAGNETIC FLOW METER

- APPLICATION: WATER, WASTE WATER, SLURRIES, EFFLUENT ETC.
- LINE SIZE: 15 NB TO 600 NB
- POWER SUPPLY: 24 VDC/230 VAC
- OUTPUT: 4-20mA/HART
- FLOW RATE DISPLAY: 5 DIGIT LCD
- TOTALIZER DISPLAY: 8 DIGIT LCD
- ACCURACY: ± 0.5% OF FSD

ULTRASONIC FLOWMETER

- SIZE: 50 NB TO 1200 NB
- CHANNEL: DUAL CHANNEL
- APPLICATION: WATER, ALCOHOL, GASOLINE & OTHER SINGLE MEDIUM
- TEMPERATURE: 0-80°C FOR TRANSDUCER, HOST 0-45 °C
- OUTPUT: 4-20mA



VORTEX FLOWMETER

- APPLICATION: STEAM, GAS, AIR & LIQUID MEASUREMENT
- LINE SIZE: 15 NB TO 300 NB
- POWER SUPPLY: 24 VDC
- OUTPUT: 4-20mA/HART/RS485 MODBUS
- RELAY OUTPUT: LOW & HIGH FLOW ALARM
- FLOW RATE DISPLAY: 5 DIGIT LCD
- TOTALIZER DISPLAY: 8 DIGIT LCD
- PRESSURE DISPLAY: 5 DIGIT LCD
- ACCURACY: ± 1% OF FSD



CORIOLIS MASS FLOWMETERS



- ACCURACY: ± 0.1~0.5%
- DENSITY MEASUREMENT RANGE: 0.5~2 g/cm³,
- OPERATING TEMPERATURE: -50~+200°C
- AMBIENT TEMPERATURE: -40~+60°COR -20~+55°C
- DISPLAY VARIABLE: MASS FLOW, VOLUME FLOW, DENSITY, TEMPERATURE
- OUTPUT SIGNAL: PULSE /4~20mA / RS485 MODBUS

ULTRASONIC LEVEL TRANSMITTER

- TRANSMITTER: 4-20 mA
- OUTPUT 4-20mA/HART
- RELAY: 1NO+1NC OUTPUT
- SUPPLY: 230 VAC/24 VDC
- ENCLOSURE: FLAME PROOF (IIA, IIB, IIC, T6)
- RANGE: 3 M / 8 M
- CONNECTION: FLANGED / SCREWED



CAPACITANCE LEVEL TRANSMITTER



- DISPLAY: 4 DIGIT, LED/LCD
- TRANSMITTER: 4-20 mA
- OUTPUT :4-20mA/HART
- RELAY: 1 NO + 1 NC OUTPUT
- SUPPLY: 24 VDC
- ENCLOSURE: FLAME PROOF
- RANGE: 3 M / 8 M

FLOAT & BOARD TYPE LEVEL INDICATOR

- APPLICATION: TO MEASURE LIQUID LEVEL IN STORAGE TANKS
- DESIGN: UP TO 200°C TEMPERATURE
- RANGE: UP TO 30 M
- MATERIAL: CUSTOMISED
- CONNECTION: CUSTOMISED





TUNING FORK LEVEL SWITCH

- MOUNTING: TOP / SIDE
- POWER SUPPLY: 24 VDC/220 VAC
- DESIGN: UP TO 10 KG / CM^2 PRESSURE
- ENCLOSURE: FP, IP
- CONNECTION: CUSTOMISED

SWITCHING MODE POWER SUPPLY (SMPS)

- SINGLE OUTPUT: 5V, 12V, 24V, 48V
- DUAL & MULTI OUTPUT SERIES AVAILABLE
- PANEL & DIN-RAIL MOUNT SERIES AVAILABLE
- OVERLOAD & SHORT CIRCUIT PROTECTION
- 100% FULL LOAD BURN-IN TEST
- HIGH EFFICIENCY LOW RIPPLE & NOISE
- HIGH QUALITY & RELIABILITY



UPS



- RANGE: 1 TO 1000 KVA - ONLINE DOUBLE CONVERSION (1PH/3PH)
- 32-BIT DSP CONTROLLED UPS
- INBUILT GALVANIC ISOLATION
- HIGH AC TO AC EFFICIENCY
- WIDEST INPUT VOLTAGE RANGE
- LIGHTNING AND SURGE PROTECTION
- AUTOMATIC BYPASS, ALLOW TO TRANSFER THE LOAD TO THE MAINS IN CASE OF OVERLOAD OR INTERNAL FAULT
- ALARMS & INDICATIONS
- SNMP, MODBUS, WEB-BASED MONITORING

INDUSTRIAL CONTROL PANEL

- DESIGN & BUILD AS PER CUSTOMER REQUIREMENT
- AUTOMATION CONTROL PANEL WITH SYSTEM INTEGRATION OF PLC, HMI, VFD, AC SERVO
- INSTRUMENTATION PANEL
- DESIGN WITH PROPER COOLING ARRANGEMENT
- HIGH QUALITY SWITCH GEARS & AUTOMATION COMPONENTS
- MS/SS/ABS PLASTIC ENCLOSURE WITH DIFFERENT IP RATINGS



MOTOR



- WE OFFER A WIDE RANGE OF ELECTRIC MOTORS (AC, DC)
- THE RANGE INCLUDES SAFE & HAZARDOUS AREA MOTOR, ENERGY EFFICIENT MOTOR AS WELL AS MOTOR FOR SPECIAL APPLICATIONS
- APPLICATION: CRANE, CONVEYOR, COMPRESSOR, BLOWER, PUMP ROLLING MILL, CEMENT MILL
- RANGE: 0.37KW TO 450KW & ABOVE
- VOLTAGE RANGE: 110V/220V/415V OTHER RANGES ON REQUEST
- POLE: 2/4/6/8 (ALL RANGE)

INDUSTRIAL PUMPS

WE HAVE BEEN THE LEADING CHOICE OF THE CLIENT OFFERING THE WIDE RANGE OF ALL THE ESSENTIALS REQUIRED RANGE OF CENTRIFUGAL PUMP, FILTER PRESS PUMP, SPLIT CASING PUMPS, CHEMICAL DOSING PUMPS, SELF-PRIMING MUD PUMP, SLURRY PUMPS, HOT WATER PUMP, BOILER WATER FEED PUMP AND MANY MORE.



WATER & WASTE WATER TREATMENT



WASTE WATER TREATMENT

- WE OFFER WIDE RANGE OF SOLUTIONS & SERVICES FOR WATER & WASTEWATER TREATMENT

RAW WATER TREATMENT PLANT

- HRCC, LAMELLA CLARIFIER, WATER FILTRATION PLANT (MULTIGRADE FILTER/ SAND FILTER/ CARBON FILTER/ IRON REMOVAL FILTER etc.)

PROCESS WATER TREATMENT PLANT

- RO, DM & SOFTENER PLANT
- SIDE STEAM FILTRATION PLANT & MAKE UP WATER TREATMENT PLANT FOR COOLING TOWER.

WATER TREATMENT CHEMICALS

WE OFFER WATER QUALITY TREATMENT CHEMICAL FOR VARIOUS PROCESS LIKE:

- BOILER WATER TREATMENT.
- COOLING WATER TREATMENT.
- RAW & WASTE WATER TREATMENT.
- RO TREATMENT CHEMICAL.
- WATER PURIFICATION RESIN.



WATER & AIR QUALITY MONITORING SYSTEM



WE OFFER A RANGE OF WATER & AIR QUALITY ANALYSERS APPROVED FROM USEPA & TUV WITH PROVEN TECHNOLOGIES LIKE NDIR, TCD, PID, ZIRCONIUM, TO ACHIEVE COMPLIANCE WITH GOVERNMENT REGULATIONS FOR WATER & AIR QUALITY, POLLUTANTS AND EMISSIONS.

WE PROVIDE SOLUTIONS FOR MONITORING POLLUTANTS IN WATER & AIR (AMBIENT & STACK).

OUR PROVIDED ANALYSERS CAN MEASURE PARAMETERS LIKE BOD, COD, TSS, TOC, DO, PH, OIL & GREASE, SOX, NOX, NH3, CO2, CO, H_2S, METHANE, O2, MERCURY, OZONE, PM10 & PM2.5, etc.

WE ALSO PROVIDE AMC FOR MOST OF THE ANALYSERS ALONG WITH SPARE-PARTS & CONSUMABLES.

DAIRY PROCESS EQUIPMENT CLEANING CHEMICALS

BMC & MCC CLEANING
DAIRY FARM SANITISATION
CIP & OPEN PLANT CLEANING
FLOOR CLEANING
PERSONAL CARE
GENERAL PURPOSE CLEANING





PROCESS FOOD EQUIPMENT CLEANING CHEMICALS

FRYER CLEANING
ANTIFOAM
FLOOR CLEANING
DISINFECTION
PERSONAL CARE
GENERAL PURPOSE CLEANING

BREWERY & BEVERAGE PROCESS EQUIPMENT CLEANING CHEMICALS

BOTTLE WASHER
CONVEYER LUBRICATION (DRY/WET)
CIP & OPEN PLANT CLEANING
DISINFECTION & PERSONAL CARE
GENERAL PURPOSE CLEANING



CLEANING & HYGIENE MACHINE & AUTOMATION



FLOOR CLEANING MACHINE
HIGH-PRESSURE JET MACHINE
FOAM CLEANING MACHINE
FUMIGATION MACHINE
CIP AUTOMATION
COOLING TOWER AUTOMATION



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