



Autodata Tech
IDEAS · KNOWLEDGE · PASSION



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COMPANY PROFILE

"Ideas, Knowledge, Passion" is what drives Autodata.

It started with the design, manufacture, and application of variable speed drives.

It later expanded to include Programmable Logic controls and specialized in coordinated multi motor variable speed applications in Paper, Wire Drawing & Cable industry, Material Handling etc.

There has been a continuous effort to offer the most relevant technology and meet and exceed client expectations.

We are now engaged in three major verticals of Automation, Particulate Emission Control and Power Electronics (DC Power supplies, Heater control and Power Quality).

We have manufacturing facilities in Mumbai of 1400 sq meters and a new facility at Sri city near Chennai of about 6500 sq meters.

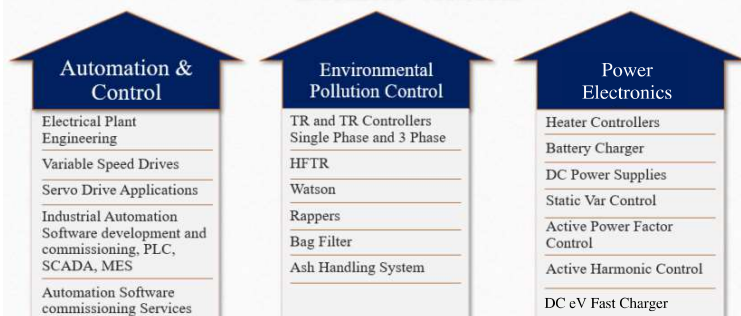
Our strength is our team of dedicated personnel who are continuously striving to bring you the latest in the fields we are engaged in.

Their ideas, knowledge and passion combined with their years of experience gives you very potent solutions.

'Autodata Technologies Pvt. Ltd.' was established in the year 1979 by IIT alumni. We specialize in advanced, appropriate, and affordable automation solutions including Distributed Control Systems, Programmable Logic Control systems, SCADA and MIS systems, Variable speed drives, Servo applications, Embedded systems, Power Electronics systems for Power Quality improvement (Power factor & Harmonics), DC Supplies (For ED coating, Plating, Battery Charging, magnet Supplies), Thyristor based Digital Heater controls and High Voltage power Supplies for particulate Emission Control. The manufacturing effort is ably supported by an Engineering team for commissioning and servicing with strong after sales support. We maintain a very high level of Customer Satisfaction.

We are recognized by the Ministry of Electronics and Information Technology (MEITY) and the Ministry of Heavy Industry (MHI) have acknowledged our R&D capability. Our clients are from a range of Industries such as Steel, Cement, Power, Process Plants, OEMs, Atomic Energy and Nuclear Fuel complex, Cobalt 60 Irradiation plants, Wire Drawing and Cable plants, Automobile plants, Research Institutes, Heat Treatment for large furnaces etc. We are CE, UL, and ISO certified. Our systems have been approved by the Atomic Energy Regulatory Board and leading consultants such as M.N.Dustoor, Tata Consulting Engineers, Engineers India Ltd, SMS Demag, and a host of others.

Business Verticals



Our Foreign partners:

ALSITER / SEI Sistemi



NWL, Inc.



AUTODATA RANGE FOR PARTICULATE EMISSION CONTROL

- ESP controls 1 Phase and 3 phase TR and TRCC
- 1 phase, ...120kV, 2200mA
- 3 Phase, ...95kV, 2500mA
- NWL Autodata - HFTR P+, ... 83kV, 2000mA
- Bag filter controls
- Rapper controls Matrix & Non-Matrix Type
- Hammer motor controls
- Hopper heating, level monitoring and Dust evacuation controls
- Variable frequency drives for ID and FD fans
- Advanced software for system monitoring Watson Holmes model

AUTOMATION SYSTEMS

- Programmable Logic Control systems,
- SCADA and MIS systems,
- Variable speed drives,
- Servo applications,
- Heater Controller: Thyristor Based
- Embedded systems,
- Rectifiers, TR and TR Controller
- Motor and Power Control Centres.

TEST BED MOTOR CONTROL SYSTEM

- RLS Chassis Dynamometer
- Engine Dynamometer
- eV Motor Dynamometer
- Clutch
- Transaxial
- Brakes

DC SYSTEMS PRODUCTS

DC INDUSTRIAL BATTERY CHARGERS

- Single Float Cum Boost
- Float, Float Cum Boost
- Dual Float Cum Boost
- Float Cum Boost Charger with Chopper for Load
- 100kW eV Charging Station

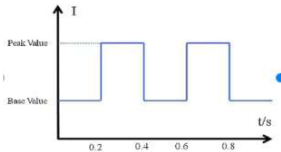
DC RECTIFIERS

- CED Coating / Lacquering Plant.
- Electroplating e.g. Nickel /Chrome / Brass/Copper
- Pulse Rectifier Silver & Gold Plating Process / Hard Chrome Process
- Electrolysis Process.
- Hydrogenation/ Chlorination / Potassium & Sodium Chlorate
- Electrocoagulation Process.

POWER QUALITY

- IGBT Based:
- Active Harmonic Filters
- Active Power Factor Correction

ELECTROPLATING RECTIFIERS



FEATURES

- DSP digital control.
- HMI touch panel display.
- Fast response time.
- High regulation accuracy.
- Lower output ripple.
- Modular design
- Suitable for all types of Electroplating.
- Suitable for live and static load.
- Parallel operation for higher load.

All Electroplating Process e.g. Nickel /Chrome / Brass/Copper/Silver/Gold

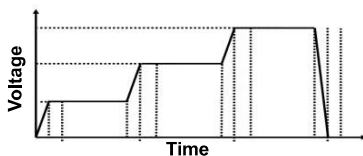
- Hard Chrome Plating Process.
- Electrolysis Process.
- Electrocoagulation Process.
- Hydrogenation/ Chlorination / Potassium & Sodium Chlorate.
- Soda-ash, Caustic chlorine Production.



SPECIFICATIONS:

Description	Parameters
Input Voltage	380V / 440V / 480V / AC Three phase 3 wire,3/4 wire system
Variation	+/- 10%
Frequency	50Hz /60Hz +/- 5Hz
Power Factor	Between 0.85 to 0.95 lead for full Load
DC Output	
Nominal Voltage	8V-500V
DC output voltage settings	0-100% of rated output DC Voltage
Output Power Rating	2kW to 500kW
Ripple	≤ 1% to 5% at rated load
Protections	a. Input AC UV/OV shutdown
	b. Output OL/Short circuit Trip
	c. soft start facility
	d. High Temperature shutdown
Control Mode	Constant Current/Constant Voltage/Recipe based
Operation mode	Local/Remote/DCS
User Interface	
Communication interface	RS485 Modbus
Process programming	Available
Remote control box	Available
HMI	Touch panel or digital meters Keypad/Push button's
Output Terminals	Copper Busbars for DC Output
IP degree	IP30 for air cooling
Finishing	RAL7035

CED RECTIFIERS



FEATURES

- Dsp digital control
- Hmi touch panel display
- Fast response time
- High regulation accuracy
- Lower output ripple
- Modular design
- Connectivity to dcs plant

Cathodic Electrodeposition (CED) Coating Rectifier.

We can provide 10kW- 500kW Rectifier for Cathodic Electrodeposition (CED) Coating.



SPECIFICATIONS:

Description	Parameters
Input Voltage	380V / 440V / 480V / AC Three phase 3 wire,3/4 wire system
Variation	+/- 10%
Frequency	50Hz /60Hz +/- 5Hz
Power Factor	Between 0.85 to 0.95 lead for full Load
DC Output	
Nominal Voltage	100V-500V
DC output voltage settings	0-100% of rated output DC Voltage
Output Power Rating	10KW to 500kW
Ripple	≤ 1% to 5% at rated load
Protections	a. Input AC UV/OV shutdown
	b. Output OL/Short circuit Trip
	c. soft start facility
	d. High Temperature shutdown
Control Mode	Constant Current/Constant Voltage
Operation mode	Local/Remote/DCS
User Interface	
Communication interface	RS485 Modbus
Type Of Rectifier	Normal / Pulse Rectifier
HMI	Touch panel or digital meters Keypad/Push button's
Output Terminals	Copper Busbars for DC Output
IP degree	IP30 for air cooling
Finishing	RAL7035

eV CHARGER'S

- DC charger for trucks
- AC charger for 4W Cars

DC fast charger for trucks:

- Output power 120 kW
 - Input voltage 415 VAC
 - CCS-2 IEC61851 mode 4
-
- Truck fleet station
 - Output power 500kW, 1MW
 - Input voltage 6.6kV or 11kV
 - Multi-truck charging



AC Charger For 4W Cars

- Fast AC charging 7kW-22kW.
- Multi-gun wall mountable design.
- Built in energy meters for each gun.
- Load balancing capable for future smart grids.
- Designed to deliver 25% more power than rated.
- US model = 1 ϕ Level 2 48A
- EU model = upgradable from 1 ϕ to 3 ϕ
- Designed for fleets and workplaces.
- CCS2 or Tesla NACS connectors.



PowerNap eV is the fastest AC charger for your car.
Designed to be simple, speedy, safe and scalable.

WHY CHOOSE US?

- Proven Track Record
- Expert Engineering Team
- Cost-Effective Solutions
- Customized Solutions
- Best in class Service
- Environmental Responsibility
- Continuous Innovation



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