



Who are we?

- Gasoline Fuel Systems India leads the way in gas conversion systems, with extensive experience in the automotive industry. Our specialization lies in manufacturing AUTOCRON LPG/CNG conversion kits for three-wheeler autorickshaws, cars, heavy trucks, and buses. We proudly distribute AUTOCRON branded Indian kits for four-wheelers, a trusted name both in India and international markets.
- Our commitment stems from the alarming rise in pollution, especially in three-wheeler autos and taxis. We aspire to make a positive impact by reducing pollution and advocate for government policies to promote the use of LPG (Liquid Petroleum Gas) and CNG (Compressed Natural Gas), especially in three-wheeler autos and taxis. With a robust marketing network and a strong dealer presence in India and overseas, Gasoline ensures the distribution of complete LPG/CNG systems that adhere to European standards (ECER-67-O1 norms & ISO-15500), specifically designed for three-wheeler autorickshaws and four-wheelers.
- Our dedicated team of professionals with automotive engineering backgrounds handles sales and services, while our R&D ensures cuttingedge technology in our products. Gasoline Fuel Systems India is on a mission to expand and provide cleaner and healthier air to humanity, supplying our kits across India and abroad.



Why Autocron?



- Our track record speaks volumes, with over 10 million CNG/LPG Kits sold worldwide and more than 1 million CNG Sequential Kits seamlessly operational on a global scale.
- Our products are manufactured and rigorously tested in accordance with European Standards and have received approval from ICAT/ARAI, esteemed government testing agencies in India.
- With a 15-year presence in India, we've established an exceptional after-sales service network across the nation, ensuring customer satisfaction.
- Gasoline Fuel has proudly distributed over 1 million Autocron Kits in India and successfully installed over 12,000 CNG Sequential Kits in the past year alone.
- Our qualified and experienced technical team is dedicated to providing top-notch after-sales service.
- We offer competitive pricing without compromising on product quality, and our sound financial background guarantees the availability of adequate stock to fulfill orders promptly.



Benefits of converting to CNG

- Compliance with regulations: In Mumbai and Delhi NCR, commercial vehicles older than 8 years are restricted to reduce pollution.
- Extended engine life: Switching to CNG can add extra years to your vehicle's operation, totaling 16 years of service.
- Cost savings: Avoid the expense of purchasing a new vehicle.
- Indirect advantages: CNG offers non-adulteration, reduces fuel theft, and helps meet the 2% CSR expenditure mandated by the Companies Bill of 2012.
- Environmental contribution: By adopting CNG, you actively participate in promoting a cleaner and greener environment.





Advantages of CNG as a Fuel

- Non-adulteration and theft resistance: CNG cannot be tampered with or stolen like diesel.
- Easy mixing with air: Being a gaseous fuel, CNG blends smoothly with the surrounding air.
- Reduced auto-ignition risk: CNG's high auto-ignition temperature and limited inflammability range make it less likely to auto-ignite on hot surfaces.
- Lower fire hazard: CNG, being lighter than air, rises in case of a leak, reducing the risk of fire compared to other fuels.
- Cylinder safety: CNG cylinders are safer than petrol and diesel tanks due to their design, size, and placement within the vehicle. They feature safety devices to release gas in case of abnormal pressure or temperature.





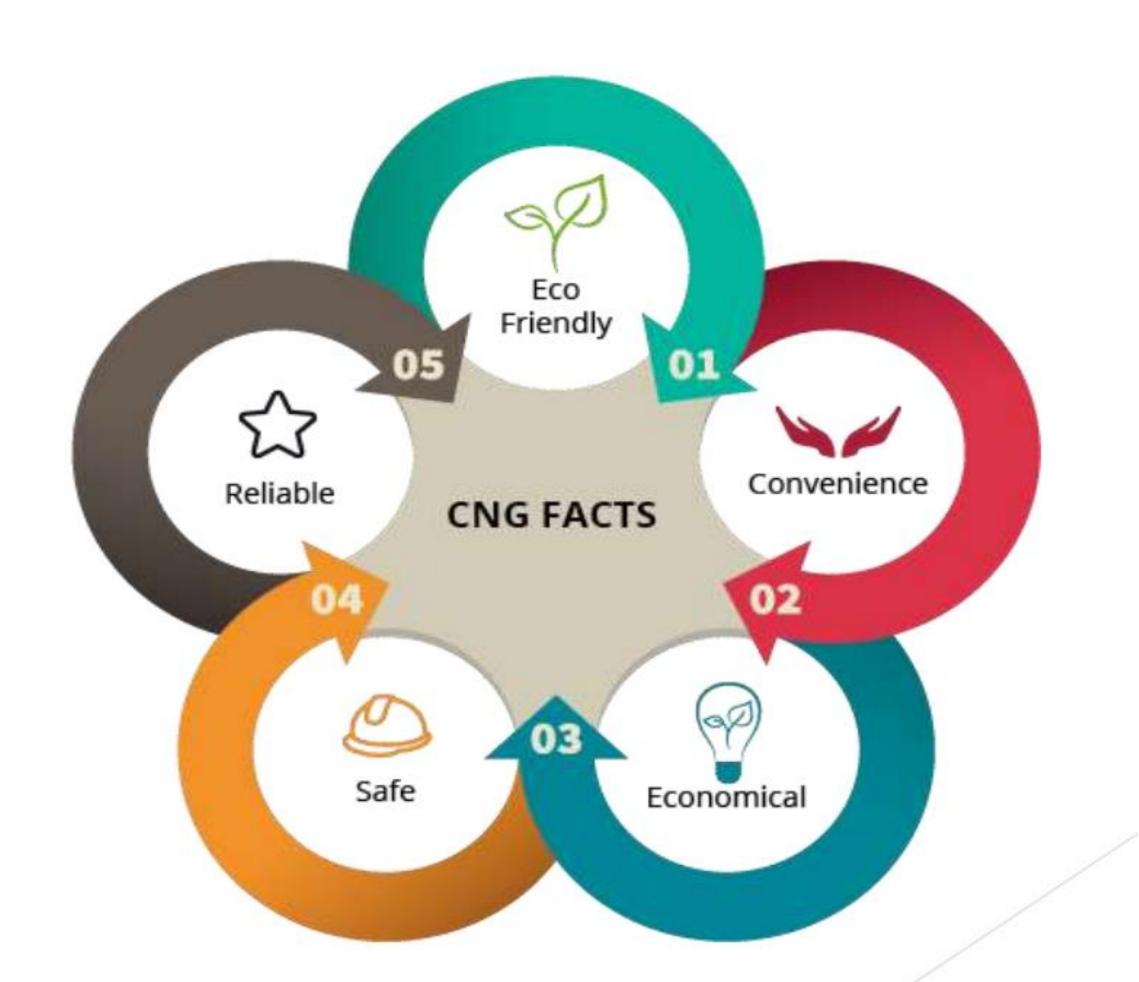
Necessity of CNG

- The only city in India to be most impacted by vehicular pollution, 60-70% of the emissions originate from vehicles.
- High price for congestion and traffic jams lead to fuel wastage, more pollution and serious economic losses.
- According to the World Health Organization and Republican Pollution Control Board, 14 areas in Pune and Mumbai have harmful particulate matter levels exceeding the national standards by a significant margin.
- Particulate pollution is responsible for the fifth highest health burden in India. The PM2.5 levels have been found to be high during winter months in the city.



CNG FACTS







Emission Benefits of CNG vs Diesel

Fuel	C0, g/Km	NOX, g/Km	PM, g/Km
DIESEL	2.4	21	0.38
CNG	0.4	8.9	0.012
Reduction	84%	58%	97%

Flow Chart for modifying Existing Diesel Vehicle to CNG

☐ Following are the aspects of Bus CNG Fitment at Green Energy Solutions.



- Uehicle Received in Work shop
- **P** Verify / Inspect over all vehicle body / chassis for any damage
- □ Dismantle the Engine
- Send Engine for Re-boring, Honing, Fitment of Piston Sleeve
- ☐ Assemble Engine with new CNG Pistons & modified CNG head
- Installation of Sparkplugs, Ignition coil, Distributor etc
- □ Fitment of Front CNG Kit Reducer, refueling valve including electrical connections
- Fitment of CNG Cylinders on the chassis with complete bracket
- □ Tubing CNG Cylinders with front Kit
- Cranking the engine, setting engine timing, safety checks etc
- Check emissions through any approved PUC centers
- \square Test run the vehicle for normal operations







Savings Petrol/ Diesel Vs CNG

Description	4 - Wheelers	
Fuel Type	Petrol	Diesel
Price Unit	per Ltr	per Ltr
Price	109.00	98.00
Mileage with Petrol	18.00	22.00
Cost per Km	6.06	4.45
CNG Price	87.00	67.92
Mileage with CNG	28.00	28.00
Cost per KM	3.11	2.43
Savings in Rs. per Km w.r.t CNG	2.95	2.03
Savings in Rs. Per 100 Km w.r.t CNG	294.84	202.88
% Savings	49%	46 %

Savings from CNG Vehicles is almost 50% at current prices of Petrol & Diesel



Bus Conversion & Commercials

Daily Kms	300
Days in Month	30.00
Monthly Kms	9,000.00
Diesel Mileage/lit	5
Diesel in liters	1,800.00
Diesel cost/lit	98.00
Cost Montly Diesel usage (Rs.)	1,76,400.00
CNG Mileage/Kg	5
Monthy CNG in Kgs	1,800.00
CNG Cost/Kg	87.00
Cost Montly CNG usage (Rs.)	1,56,600.00
1 Month total savings per Bus	19,800.00
Yearly savings per Bus	2,37,600.00
Conversion cost per Bus Rs	4,00,000.00
Payback period Years	1.68

Maintenance cost will be reduced in comparison to Diesel bus, which will be additional saving

Note*:- Prices are in INR



Product Aproved For







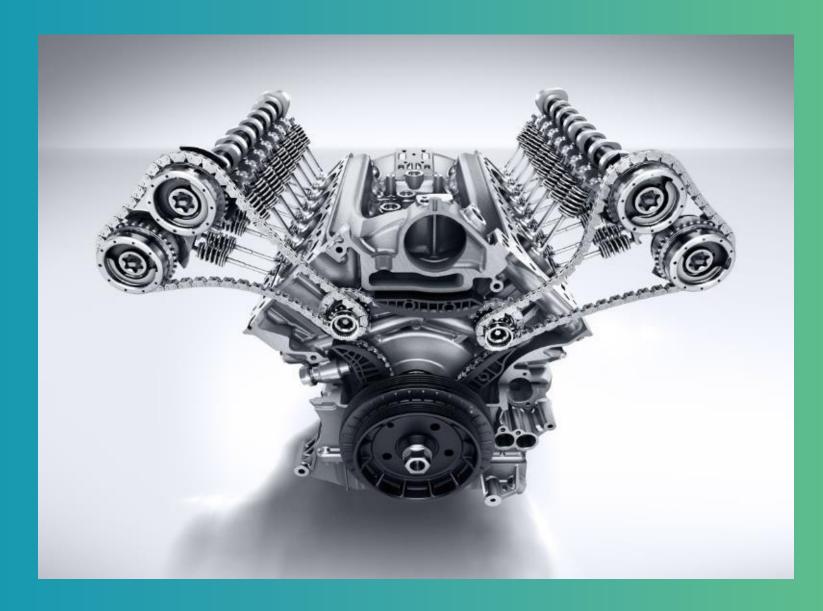
















Fuel Support







Petrol/Ethanol

BIO-fuels

Gasoleus-fuels











XTL











BHARAT IV/VI

Full range Emisson Support

Euro4 > Euro5 > Euro6

Bharat 4 > Bharat 6

China4 > China5 > China6



EGR SYSTEM SUPPORT



• ELECTROMAGNETIC EGR VALVES



VACUM PRESSURE EGR VALVES



DOUBLE CONTROL



REGULATION LAMBDA SENSOR
 WBO ACTIVE CONTROL FOR CLOSE LOOP



CATYLYST EFFICIENCY CONTROL
 -NBO ACTIVE CONTROL



HIGH FLEXIBILITY SOLUTION



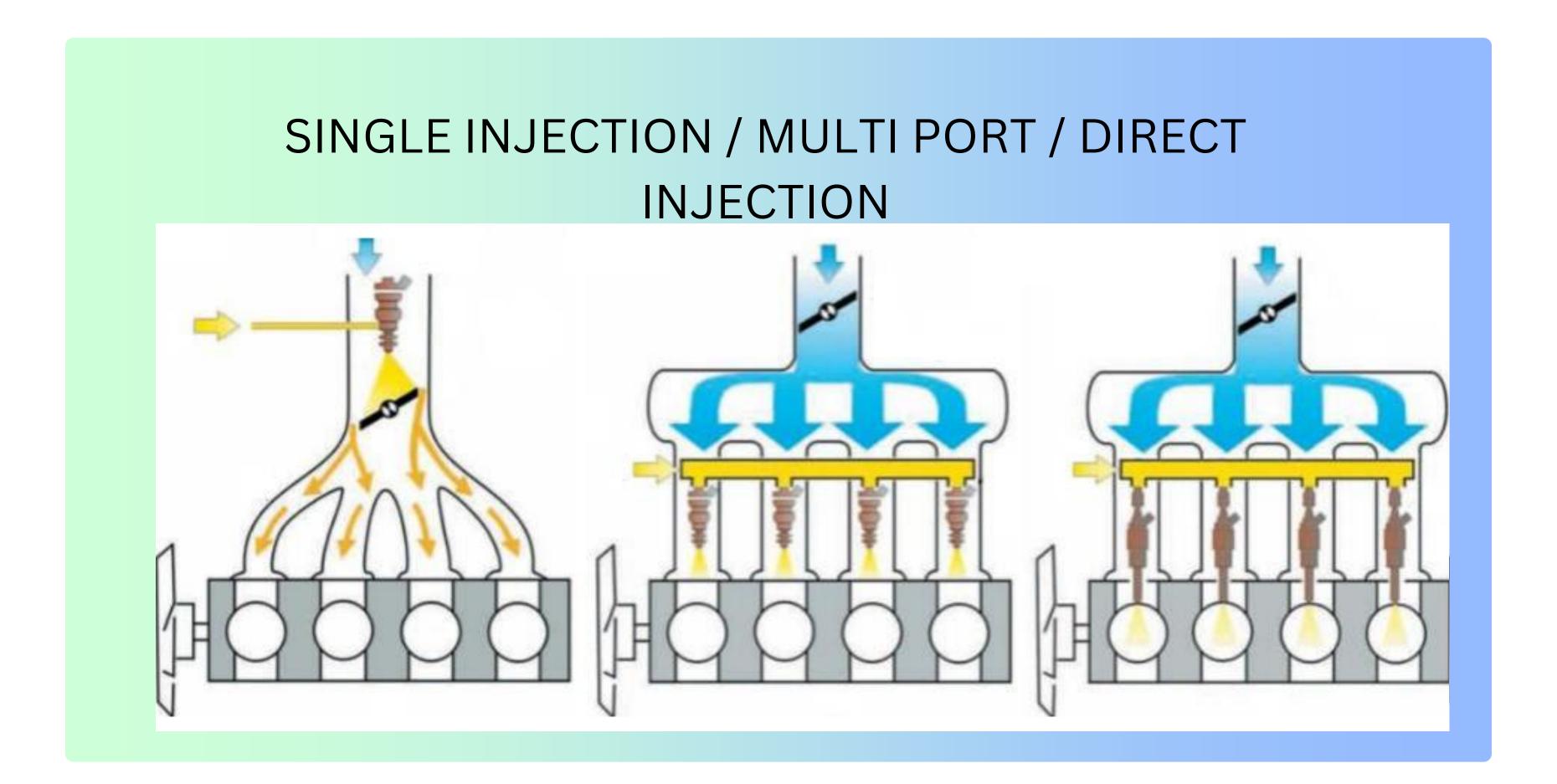
VARIABLE TYPE MIXERS



VARIABLE TYPE FUEL INJECTORS



HIGH FLEXIBILITY SOLUTION





MEET HIGH STANDARD REQUIRMENTS



• OBD II SYSTEM (HIGH SPEED CAN)
COMPATIBLE WITH BHARAT 4



• SUPPORTS DBW SYSTEMS
COMPATIBLE WITH BOSCH/CONTI/VDO



UNIQUE ECU ADAPTIVE ALGORYTHM



MAP SENSOR BASE ON



MAF SENSOR BASE ON



MULTI TYPE TRIGGER ON CKP & CAM



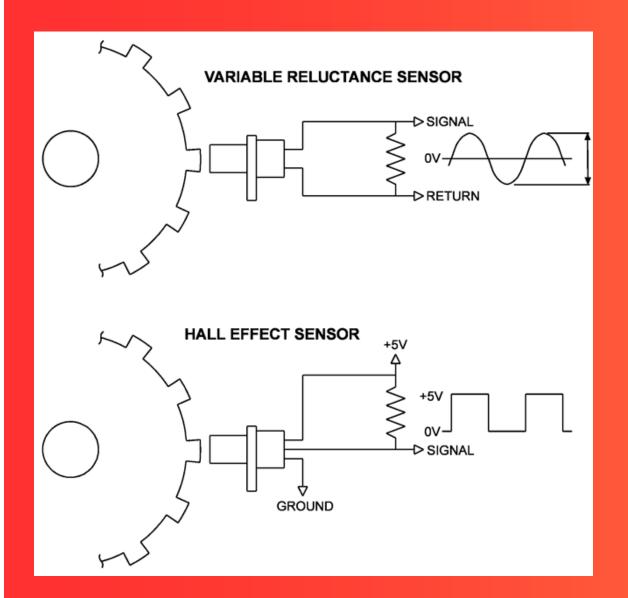
• ENCODER CKP: N-1, N-2, N-3, N+1 (60-2, 36-1, 24-2...)



• ENCODER CAM: 2N-1, 2N+2, N-1, N+1



CRANKSHAFT SENSOR VR OR HALL SENSOR





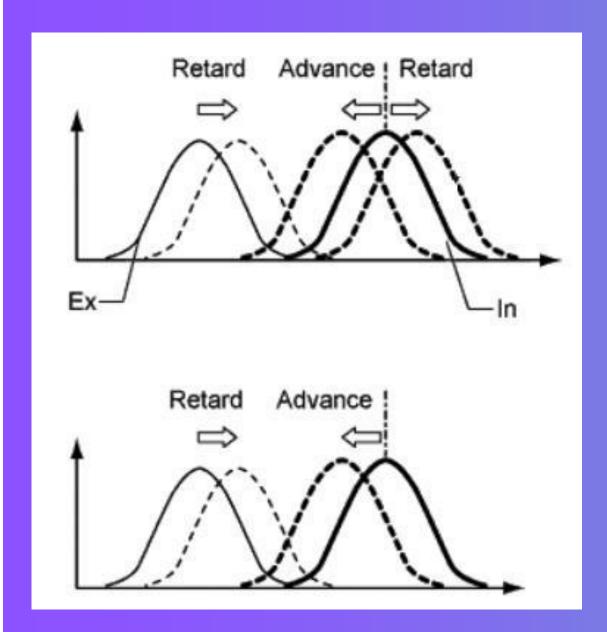


INDUCTIVE SENSOR

HALLOTRONIC SENSOR



CRANKSHAFT SENSOR VR OR HALL SENSOR





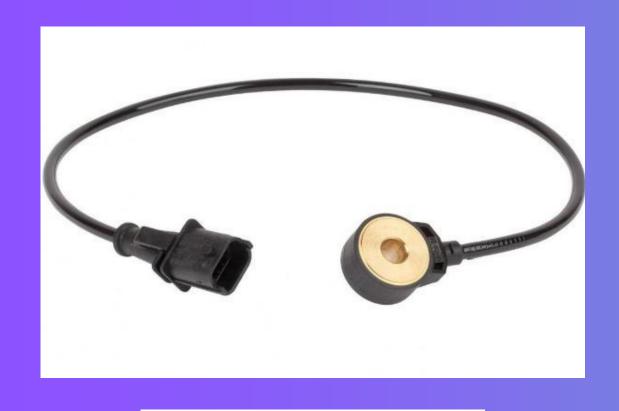


INDUCTIVE SENSOR

HALLOTRONIC SENSOR



ENGINE SAFETY



KNOCK SENSOR ACTIVE SUPPORT



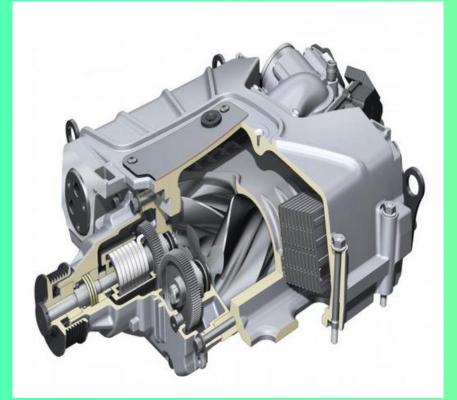
• EGT SENSOR ACTIVE SUPPORT



TURBOCHARGER OR COMPRESSOR



• ELECTRIC ACTUATOR WITH VARIABLE GEOMETRY STEERING



SUPERCHARGER WITH SELENOID



IGNITION SYSTEM



ACTIVE COILS SUPPORT



PASSIVE COILSSUPPORT



IGNITION SYSTEM



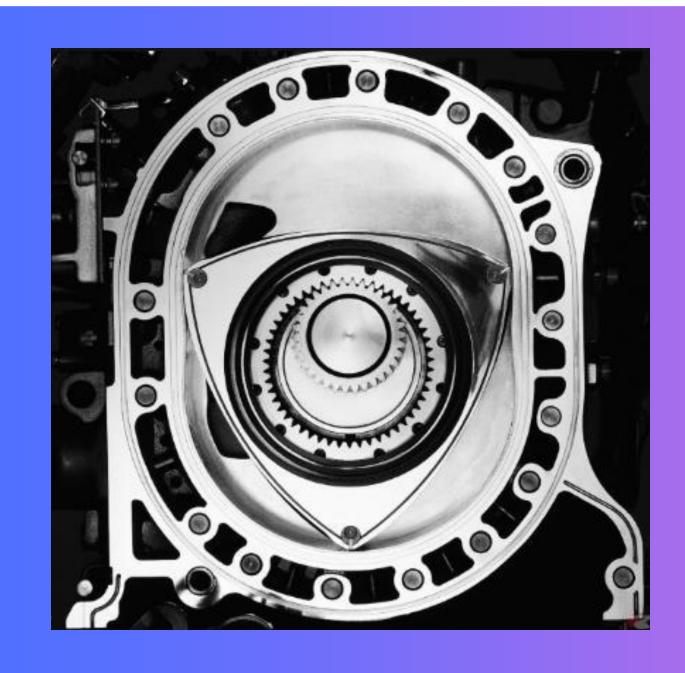
ACTIVE COILS SUPPORT



PASSIVE COILSSUPPORT



ENGINE



WANKEL(ROTOR)
 PISTON

CLASSIC



Business Interests & Plans





ELECTRONICS FACILITY





- 10,000 Sq.ft. ESD Flooring Space
- 2 fully automatic SMT Lines
- 150,000 components per hour with an accuracy of 10 microns.
- Automatic Insertion Machine for through hole components.
- Capable of mounting components viz
- QFP, SOIC, SOT, BGA & Chip from 0402
- Automatic Insertion Machine for through hole components



AUTO RICKSHAW BUSINESS





















MEDIUM & HIGH DUTY VEHICLES

MEDIUM DUTY

TO





HIGH DUTY

COMMERCIAL

VEHICLES



















SMALL COMMERCIAL VEHICLES



- 150K vehicles on road
- Single Point (pre/post throttle) or
- MPFI (high/low pressure) Injection technology
- Turbo or Super-charged
- Mechanical or Electronic Throttle
- Customized & turnkey solutions
- EuroV upgradeable with no hardware changes
- Integrated component solutions
- Integrated CNG safety logics
- Bi-fuel options package protected

Technology Partner







Alternative Fuels

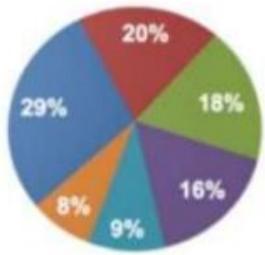






Renewable Fuels





- HPDI On-Engine
- Control Systems
- Cryogenics
- Spark-Ignited Direct Injection
- Other Technology
- Aftermarket Components

Broad Applications













gas

Specialized Stationary Applications

- Mahindra, TATA Cummins 6BTA engines
- 100 kVA to 2 Mega Watt Gensets in India
- Objective run on natural gas / pipe natural





National / International Retrofit Applications

- 1000 State Transport Buses in Maharashtra
- 830 Buses & Trucks in Thailand
- Intercity Buses in India
- 100 kVA to 2 Mega Watt Gensets in India
- Contract with major India OEM for CNG Retrofitment

globally

Supplier of the Year Award

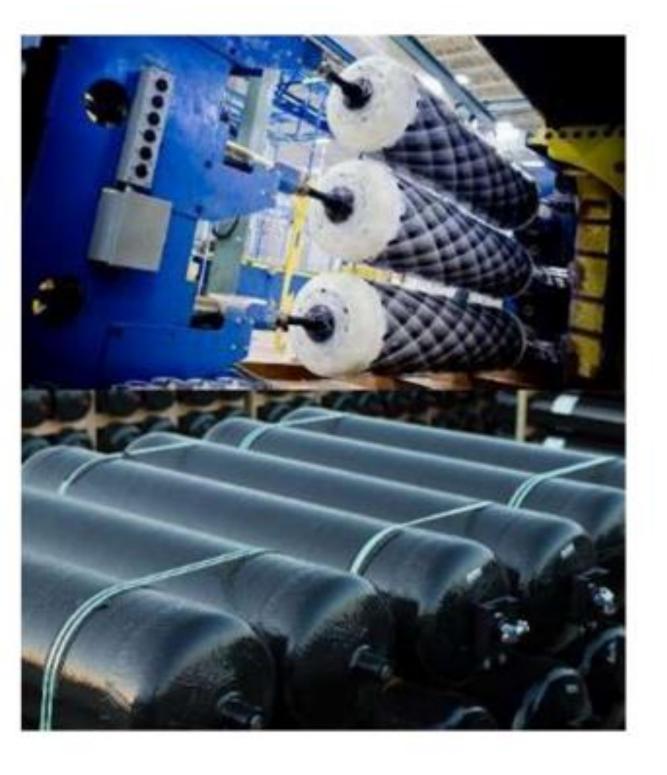


Supplier of the year Award

Siddheshwar
Transport.
Linde PraxAir.
Year 2020-21



TYPE 4 CYLINDERS











Over 50 years of manufacturing experience

25+ year operating service history with Type 4 cylinders

Type 4 in operation globally since 1993



TYPE 1 CYLINDERS







TYPE 4 CYLINDERS PLACEMENT

Longitudinal



In-Body



Transverse



Frame Rail



GO GREEN WITH AUTOCRON

Better Enviornment, Better Tomorrow.

YOU!! Are the change, which nature requires.



CHOOSE CNG TODAY

Gasoline Fuel Systems India



Facebook





Look For US

LinkdIn



Instagram





Thank You!

Contact us

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