

AVTEC Limited

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Tel. : +91 11 4209 2100
Fax : +91 11 4209 2199
Email: corporate@avtec.in

Indian Units :

Works 1 (Registered Office)

Pithampur

AVTEC Limited
Pithampur Industrial Area
Sector III, Pithampur
Sagore-454774, Dhar, MP
Tel. : +91 7292 411502-04
Fax : +91 7292 256134
Email: marketing.pup@avtec.in

Works 2

Hosur

AVTEC Limited
Poonapali Village
Mathagondapali Post
Hosur-635114, Tamil nadu
Tel. : +91 4344 405200
Fax : +91 4344 405333
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Works 3

Chennai

AVTEC Limited
A25, A28, Phase I
Kadaperi Village MEPZ-SEZ
Tambaram, Chennai-600043
Tamilnadu
Tel. : +91 44 42267101, 103
Fax : +91 44 42267109
Email: marketing.ppd@avtec.in

International Units :

Switzerland

ASSAG
ASSAG Antriebstechnik-
Hauptstrasse 50
CH-3186 Düringen
Tel. : +41 26 492 99 11
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Email: sales@assag.ch

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AVTEC

AVTEC

POWERTRAIN & PRECISION ENGINEERED PRODUCTS



POWER TO DRIVE

Powertrain Solutions | Aggregates & Components

AVTEC is one of the largest independent manufacturers of 'Powertrain & Precision Engineered Products', in India. It is a part of C. K. Birla Group – a leading global business house, with over 20,000 employees and a combined turnover of USD 1.6 billion, having diversified business across 5 continents in Cement, Consumer Electricals, Precision Bearings, Heavy Engineering Products, Building Products, Automobiles, Auto Components, Paper, as well as Healthcare, Education and IT Services.

Spearheading technological innovation since its inception, AVTEC has earned a formidable reputation in Domestic and International markets as a manufacturer of world-class Engines, Transmissions & intricate Components like cylinder head, cylinder block, crank shaft, cam shaft, con rod and high precision transmission gears for Automotive, Off-highway, Railways & defence application.

AVTEC's Design and Manufacturing capabilities, are focused at providing niche Powertrain solutions for segments like –

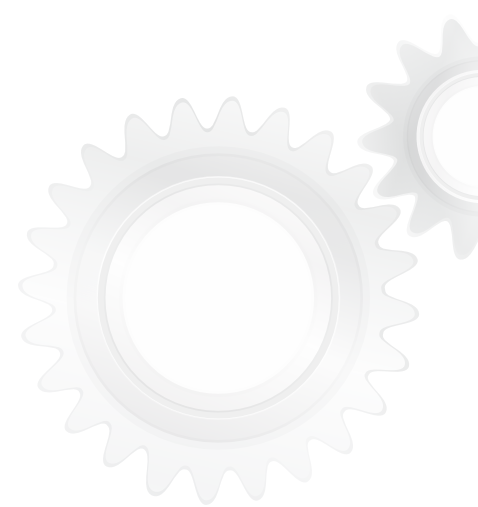
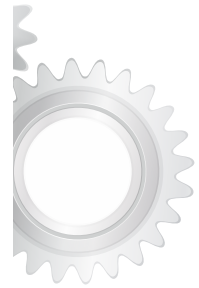
Passenger cars, SUVs & Commercial vehicles in Automotive and Construction & Mining equipment, Material handling, Oil field, Railways, Windmill and select defence application. The company has also forayed into manufacturing and marketing of axles along with two International partners for variety of applications in off-highway and defence sector.

Its world class eco-friendly, state-of-the-art manufacturing facilities in India, located at Hosur & Chennai in Tamil Nadu and Pithampur in Madhya Pradesh, are equipped with hi-tech machines and manned by highly experienced personnel.

With its Switzerland based Design, Patenting & Batch Production facility 'ASSAG'- world market leader in Crown gear technology and leading enterprise in drive systems, AVTEC aspires to reinforce its commitment to customers as a 'one-stop-shop' for Powertrain and Precision Engineered Products, across the globe.



POWER TO ENERGIZE



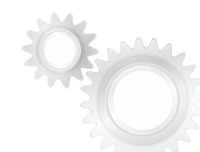
Automotive Business Unit | Engines & Transmissions

AVTEC's Automotive Business Unit expertises in manufacturing a wide range of Automotive products, to suit diverse applications. The business unit caters to Proprietary and Contract manufacturing of Petrol & Diesel Engines and Transmissions for Passenger Cars, SUVs and Light & Medium Commercial Vehicles.

Its flexible manufacturing allows an optimum mix of process and

product based layout, for both batch and high volume production. Backed by strong engineering & supply chain development capabilities and supported by committed vendor base, AVTEC has been able to develop and deliver products to customer satisfaction.

Powertrain Aggregates for - Passenger Cars, SUVs and Light & Medium Commercial Vehicles



POWER TO ENERGIZE

Off-highway Business Unit | Transmissions

AVTEC is India's leading supplier of Transmission Aggregates to the Off-highway segment, in both Domestic and International markets. A wide range of Cycling and Hauling Transmissions are manufactured to suit the diverse needs of customers in-

- Construction & Mining segments
- Material handling segment
- Oil-field application
- Railway application
- Defence sector

Cycling & Hauling Transmissions in 50 to 710 HP Range for Construction Equipment, Mining Equipment, Material Handling, Oil Field, Railway & Select Defence Applications

Two of AVTEC's world-class facilities at Hosur and MEPZ Chennai, manufacture both Automatic and Power-shift cycling & hauling off-highway transmissions. The Hosur plant also manufactures indigenously designed Transmissions for Material handling and Locomotive equipments and select defence applications. The plant also manufactures Transmission Components for Global Off-highway majors. It follows a Cellular Manufacturing concept, which is suited to take care of Product mix and supports faster response.



POWER TO ENERGIZE

Components Business Unit | Powertrain Components

Manufacturing high-precision Powertrain components for large set of Domestic & Global customers has been at the core and expertise of AVTEC's components Business unit. a large range of Components suited for various applications are manufactured by AVTEC including-

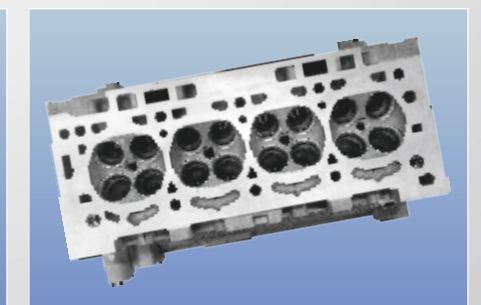
- 5 'C's of Engine: Cylinder head, Cylinder blocks, Crank shaft, Connecting rod and Camshaft
- Complex Casting Parts: Exhaust & Inlet manifold, Flywheel,

Rocker cover

- Transmission components,
- Transfer Case, Synchro pack & Planetary Gear Box for Automotive and Off- highway
- High precision Gears & Shafts

These Components are manufactured at AVTEC's state-of-the-art manufacturing units at Pithampur, Hosur & Chennai.

Powertrain Components for Automotive, Off-highway, Railway & Defence.



EMPOWERING AVTEC

Indian Units

Pithampur Plant: AVTEC's Pithampur Plant manufactures high-quality proprietary products, besides undertaking contract manufacturing of Powertrain Aggregates, for renowned Automotive OEMs.

While employing state-of-art assembly line and hi-tech machines, the plant boasts of Product engineering capabilities that enable it to provide an unparalleled level of product customization.

To cater to the soaring demand of Diesel engines for commercial vehicle application, AVTEC has established a world class scalable machining and engine assembly facility at Pithampur.

Hosur Plant: AVTEC's Hosur Plant is dedicated to manufacturing high quality cycling & hauling Transmissions, bot Automatic and Power-shift, for construction, material handling, mining, oil-field, railway and defence applications.

Hosur plant also has a dedicated 'component park' engaged in

the manufacturing of high precision engine and transmission components. With an intent to upgrade the current product range and also design new products for diverse customer requirements, a centralized Technical center and R&D facility has been set up at Hosur.

Chennai Plant: The MEPZ Chennai Plant, is a completely Export Oriented Unit set up with a specific aim of satisfying huge global demand for AVTEC's Transmissions and Precision Engineered Components. Its strategic location has helped the company significantly shorten the response time. The plant is equipped with ultra-modern machines for machining, castings and forgings to meet the soaring global demand.

At all these manufacturing units, stringent quality control checks, product validation facilities and NABL accredited laboratory ensure that end products are of the highest quality.



EMPOWERING AVTEC INTERNATIONAL UNITS

ASSAG Switzerland | Face Gear Design & Assembly

ASSAG, Switzerland a 100% subsidiary of AVTEC, is the world leader in crown gear technology and a leading enterprise for drive systems.

ASSAG offers innovative gearing solutions for automotive, agriculture, medical, industrial, machine tools, robotics & aerospace "applications", with a focus on niche and specialty applications.

ASSAG is a complete solution provider company from engineering concept to the final part. At the headquarter in Duding, Switzerland, ASSAG has a big engineering team for

R&D of face gears. It also encompasses assembly line for gears with varying diameter, prototype building, testing and validation.

With capabilities stretching across concept to design, and prototype build to series production, AVTEC is set to offer best in class quality and cost performance for volume production requirements. This will allow our customers to receive better technology, competitive prices, delivery terms and quality.



EMPOWERED COMPETENCIES

AVTEC Core Competencies

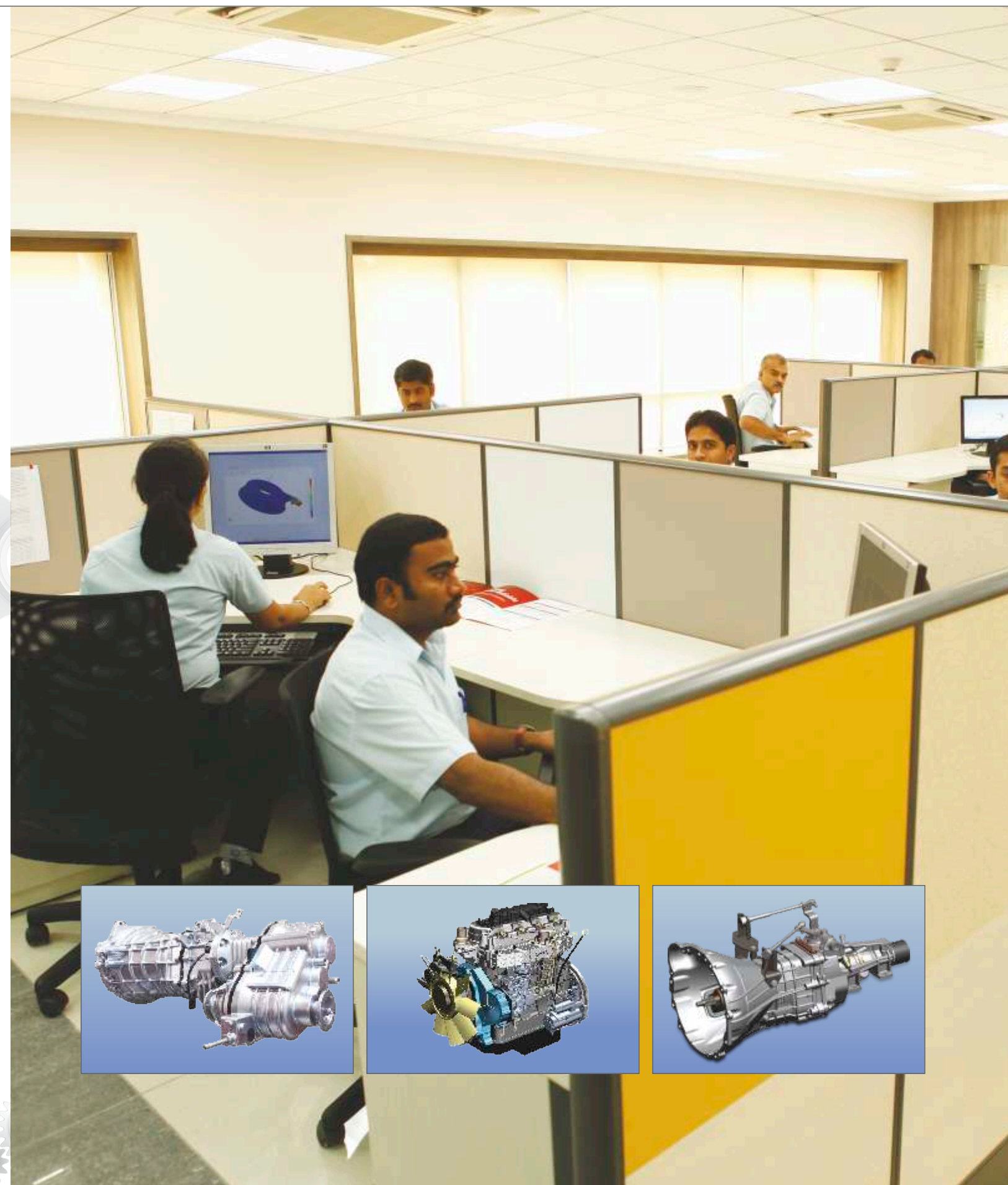
AVTEC's centralized Technical center at Hosur and Design & Development facility at both Hosur & Pithampur, empower it with Product Design, Proto Building, Testing and Validation. This makes AVTEC, the only company in India which can offer full range of solutions for Engines, Transmission system & Components. AVTEC's overseas operation ASSAG, pioneer in Face Gear Technology, has further added to its R&D capabilities.

Design competencies -

- Design & Development Engineering
- Product Application & Optimization
- Best Cost Mfg. Processes
- Product testing and validation

Manufacturing Competencies -

- Excellent machining facilities with Globally renowned machines like Liebherr, Reishauer & Makino, for all critical castings and forgings
- Superior gear manufacturing and heat treatment facility
- Control Valve & Clutch pack testing, NVH testing systems and Dynamo Meter.
- NABL accredited laboratory and CMM inspection facilities that ensure quality
- Tool designing facilities to match specific job requirements
- Assembly and sub-assembly systems to support OEMs' in JIT approach.



POWER OF QUALITY

AVTEC Quality Certifications

Quality is an inherent part of AVTEC's manufacturing system. AVTEC believes, that the way forward is through continuous process of improvement and evolution. AVTEC has developed Process Driven Quality controls at each stage of manufacturing, to deliver high quality products to its customers.

Committed to manufacturing excellence, the company has developed capabilities and integrated manufacturing techniques such as LEAN, MOST and TPM. All AVTEC manufacturing facilities are TS 16949 certified for Quality and ISO 14001 for Environment Management System by Underwriter

TS 16949 Quality Management System & ISO 14001 for Environment Management System

Laboratories.

AVTEC's Quality Certifications include-

- TPM (Total Productive Maintenance) Implementation
- 'Supplier Quality Excellence Process' award from Caterpillar India
- 'Q1' Quality award from Ford India
- Six Sigma Process Quality Tools & Strategies
- TS 16949 Quality Certification from Underwriter Laboratories
- ISO 14001 Environmental Management System certification from Underwriter Laboratories
- QS 9000 Quality System certification



POWER OF TRUST

Collaborations | Axles for Off-highway & Defence

The company has entered a technical collaboration with Dromos, SRL an Italian company engaged in the business of



design and manufacture of heavy duty axles for a variety of applications in off-highway segment. With this, Dromos will provide all technical support and AVTEC will promote, manufacture and sell heavy duty axles for 3.5-4.0 T wheeled loaders and 3.5 T capacity fork lift application.

AVTEC has also signed a MOU with Kessler & Co, Germany, engaged in the design and manufacture of drive and steer

axles, for industrial and commercial vehicles. With this agreement, AVTEC will be the independent sales representative for the Kessler brand of axles in India for variety of off-highway application. AVTEC will have the rights to **KESSLER+CO** market, facilitate and promote the Kessler products with-in India.

This has enabled AVTEC to offer the complete range of off-highway axles for construction, mining, material handling, and select defence application to its existing and perspective customers in India.



Amongst some of our satisfied customers are:



AVTEC

