

ACMA

Automotive Component Manufacturers Association of India

IMPACT

Indian Manufacturing Practices

now

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by
ACMA Centre for Technology

August 2016

*Awards
Special Issue 2016*



*ACMA Awards for
Excellence in :*

- ★ Export
- ★ Technology
- ★ Quality & Productivity
- ★ Supplier Development
- ★ Manufacturing
- ★ HR

*An Epitome Of Success For
Indian Auto Component Manufacturers*

Also Sharing
11th ACMA National
QC Winners
& their Achievements



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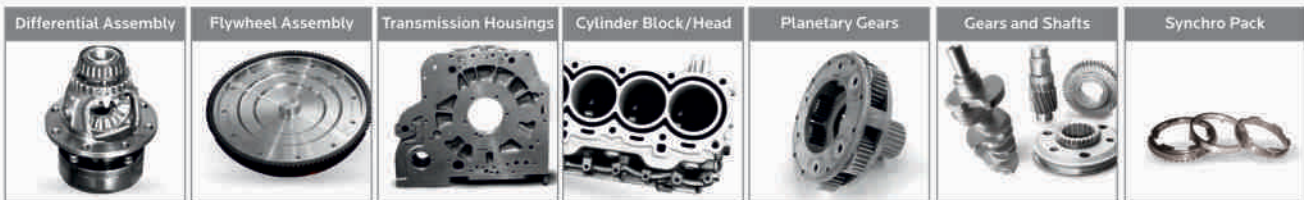
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“Achieve Best to Give the Best”

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One complimentary copy of "IMPACT" is sent to each member of ACMA. Additional copies are available @ ₹ 150/- for each copy. This cost is including service tax & postage charges.



Chairman's Message

At the outset, my heartiest congratulations to all the winners of ACMA Awards 2016!

ACMA Awards were instituted in 1966 and have evolved over time reflecting the changing needs of the automotive sector. Starting with just one category i.e Excellence in Export, the ACMA awards are today given in 6 categories while the awards process has undergone significant refinement. This year, special attention has been given to encourage participation of MSME by further simplifying the application document and also revising the entire eligibility criteria.

In addition, a new category of awards was introduced this year i.e Supplier Development Awards. The objective of this category is to recognize the outstanding contribution of larger component manufacturers in developing their supply chain. I am glad that the response to this category has been enthusiastic. Further, to provide in-depth and un-biased assessment, external industry experts have conducted site assessment of each shortlisted applicant. I am confident that these improvements will surely provide greater value to the applicants.

My sincere thanks to all the Jury members for their valuable inputs and to the assessors for their selfless contribution to this process.

I am thankful to our readers for their appreciations and also the valuable feedback that is helping us improve this newsletter continuously.

This special issue shares with you the profiles of ACMA Awards winners. In-addition, the success story of ACMA Quality Circle Competition 2016 has also been shared in this issue. I hope that you will find the journey of these winners motivating. Do please share with us your feedback to enable us improve this publication further.

Best wishes

Srivats Ram

ACMA AWARDS



ACMA Awards have completed a successful journey of 50 years since they were first instituted in the year 1966. During this journey the awards process has witnessed innumerable improvements resulting in its refinement year on year and making it one of the most prestigious awards of auto component industry.

The ACMA awards process this year has been further refined to truly reflect current world-class manufacturing practices. Recently, following additions were made in the process:

- Addition of new "Supplier Development" for larger units having sales turnover of more than 100 crores.
- Revision of eligibility criteria for all categories.

Presently, there are 6 categories of awards as mentioned below:

- Excellence in Export (Categories: Small and Large)
- Excellence in Technology (Categories: Small and Large)
- Excellence in Quality and Productivity (Categories: Small and Large)
- Recognition for Manufacturing Excellence (Categories: MSME and Large)
- Excellence in Supplier Development (Category: Large)
- HR Excellence Awards (Categories: Small, Large, Special)

ACMA received tremendous response for the newly introduced Supplier Development Award this year.

As you are aware we had introduced 'ACMA Award Online Management System' from year 2014. Year on year the platform is simplified for easy accessibility. The auto component Industry given good feedback for this initiative while they had been submitting their company applications online.

Award application document & data, key Customer feedback and Manufacturing facility upkeep are considered important factors while deciding the winners.

The details of different categories of ACMA Awards have been explained below:

Excellence in Export (Small & Large Category)

The ACMA Export Award gives recognition to outstanding achievements of member units in the field of exports. It aims at promoting export of value-added products. Criteria like net foreign exchange earned, consistency in export, penetration into new markets etc., are also given due weightage for analyzing a company's export performance. Thus the aim of the Export Award is to recognize the component manufacturer's actual export performance.

Excellence in Technology (Small & Large Category)

ACMA Award for Excellence in Technology recognizes independent innovations by member companies within their own fields of activity, which have, as a result, benefitted their customers. The technology Award is given for outstanding innovations by member companies through their efforts, which would benefit the Indian Automotive Industry as a whole.

Companies can apply for Process Innovation or Product Innovation as appropriate.

Excellence in Quality and Productivity (Small & Large Category)

ACMA introduced this Award to recognize outstanding achievements by member companies in the area of Quality and Productivity. The award criteria focuses on the foundation elements needed to build a Quality and Productivity culture in an organization.

Recognition for Manufacturing Excellence (MSME & Large Category)

This recognizes organizations that use Best Manufacturing Strategies and Practices to achieve high performance. The "Recognition for Manufacturing Excellence" includes key elements of manufacturing starting with organisation vision, leadership, strategy, support functions and employee involvement to achieve higher level of customer satisfaction and business performance.

Supplier Development Award (Large Category)

The newly added category in this year i.e Supplier Development Award has its objective to recognize the outstanding contributions of organizations in developing their supply chain. I am glad to witness good response by industry to this new category.

Excellence in HR (Small, Large & Special Category)

HR, IR & Skill Development Committee (ACMA) had introduced the 'Excellence in HR' award last year with the following key objectives:

- Enhancing the Capability and HR Practices resulting in Performance Excellence and Customer Satisfaction
- Provide platform to Showcase the best HR Practices and get recognition

This award recognizes organizations that design and implement the best HR Practices resulting in superior business performance, engaged and developing employee workforce.

The scoring system for ACMA Awards goes through 4 stage evaluation of (1) Shortlisting by Expert Team (2) Site Diagnosis by External Assessors (3) 2nd Shortlisting by Expert Team (4) Jury Scoring & Ranking. Additionally, the panel of jury considers weightage of customer feedback which is a valuable input and drives companies to improve customer satisfaction level in an increasing trend through Technology, Productivity, Quality, Cost & Delivery improvements along with basic 'Must Be Facilities'.

More than just an encouragement, ACMA Awards have been a driving force to showcase the capabilities, strengths and quality level of the company. ACMA awards process allows companies to benchmark present levels and move on the path of improvement for all business aspects.

ACMA Awards is a platform to understand expectations from automotive components manufacturing industries in today's market and plays a substantial role in improving the competencies of Indian automotive industry. Site diagnosis of individual plants and the feedback mechanism helps the industries to improve existing level of manufacturing competitiveness and achieve a higher level. The online process of application submission has not only helped in saving time and making it easier, but also helped in reducing the environmental impact.

ACMA Awards process has been improving, year on year, under the able guidance of Mr. Srivats Ram - Chairman ACT, Mr. C. Narasimhan - Chief Mentor ACT, Mr. Vinnie Mehta - Director General ACMA, Mr. Dinesh Vedpathak, Head Cluster Program ACT and Mr. VK Sharma, Dy. Head Cluster Program ACT.

The valued contribution of jury is taking these awards to new heights. ACMA is thankful to the assessors for being a part of this process. We thank all applicant companies for participating in the ACMA Awards process and helping ACMA team to complete the process in timely manner. ACMA expects that with these ongoing improvements, the awards would become even more prestigious and coveted.

A one page profile of every award winner is published in ACMA's publication "IMPACT now". The awards special issue is printed very year ahead of the ACMA annual session during which awards are distributed. 'IMPACT now' boasts of a large circulation within the ACMA membership, select OEM dignitaries and government officials.

Congratulations!

ACMA Awards Winners 2016

Excellence in Export

Small Category

Gold Trophy

Silver Trophy

Bronze Trophy

Bohra Rubber Pvt. Ltd., Faridabad

Helvoet Rubber & Plastic Technologies (India) Pvt. Ltd., Pune

Stork Auto Engineering Pvt. Ltd., Manesar

Large Category

Gold Trophy

Silver Trophy

Bronze Trophy

Endurance Technologies Ltd. (Disc Brake Div.), Aurangabad

Wheels India Ltd., Chennai

A Raymond Fasteners India Pvt. Ltd., Pune

Excellence in Technology

Large Category

Gold Trophy

Silver Trophy

Bronze Trophy

Hella India Automotive Pvt Ltd., Gurgaon

Sanjeev Auto Parts Manufacturers Pvt. Ltd., Aurangabad

Lumax Industries Ltd., Pune

Excellence in Quality & Productivity

Small Category

Gold Trophy
Silver Trophy
Silver Trophy

Lumax Cornaglia Auto Technologies Pvt. Ltd., Pune
Chang Yun India Ltd., Gurgaon
Delux Bearings Pvt. Ltd., Surendranagar

Large Category

Gold Trophy
Silver Trophy
Silver Trophy

Pranav Vikas (India) Pvt. Ltd., Faridabad
Ecocat (India) Pvt. Ltd., Faridabad
Nipman Fastener Industries Pvt. Ltd., Haridwar

Supplier Development Award

Large Category

Gold Trophy
Silver Trophy
Bronze Trophy

Spicer India Pvt. Ltd., Chakan
Mindarika Pvt. Ltd., Gurgaon
Gabriel India Ltd., Chakan

Excellence in Manufacturing

MSME Category

Gold Trophy
Silver Trophy
Bronze Trophy
Bronze Trophy

Stork Auto Engineering Pvt. Ltd., Manesar
Paul Components Pvt. Ltd. Manesar
Sellowrap EPP India Pvt. Ltd., Bawal
Technocrat Connectivity Systems (P) Ltd., Pantnagar

Large Category

Gold Trophy
Silver Trophy
Bronze Trophy
Bronze Trophy

Minda Corporation Ltd., Pantnagar
Sanjeev Auto Parts Manufacturers Pvt. Ltd., Aurangabad
Bosch Ltd., Bidadi
Sterling Tools Limited (DLF), Faridabad

Excellence in HR

Small Category

Gold Trophy
Silver Trophy
Bronze Trophy

Chang Yun India Ltd., Gurgaon
Abhijeet Plastics (India) Pvt. Ltd., Pune
Delux Bearings Pvt. Ltd., Wadhwan

Large Category

Gold Trophy
Silver Trophy
Bronze Trophy

Menon and Menon Ltd., Kolhapur
A Raymond Fasteners India Pvt. Ltd., Pune
Rane Brake Lining Ltd., Trichy

Special Category

Gold Trophy
Silver Trophy
Bronze Trophy
Bronze Trophy

Yazaki India Pvt. Ltd., Chennai
Gabriel India Ltd., Parwanoo
Endurance Technologies Ltd. (Transmission Div.), Aurangabad
J. K. Fenner (India) Ltd., Madurai

All the Awardees have been selected by a panel of eminent Jury.

ACMA Awards Jury 2016



Vinod K. Dasari
Chairman, Jury
Managing Director,
Ashok Leyland Ltd.



Hemant Sikka
Jury Member
Executive Vice President,
Chief Purchase Officer
- Auto & Farm Sectors
Mahindra & Mahindra Ltd.



Anil Sinha
Jury Member
Vice President,
Mfg. Operations (PVBU),
Tata Motors Ltd.



I V Rao
Jury Member
Executive Advisor,
Maruti Suzuki India Ltd.



V. Sridhar
Jury Member
Group Vice President &
Director
Honda Motorcycle & Scooter
India Pvt. Ltd.



Abhijit Gupta
Jury Member
Managing Director,
Case New Holland Construction
Equipment (India) Pvt. Ltd.



Raman Kumar Sharma
Jury Member
Sr. Vice President &
Director
Honda Cars India Ltd.



Dr. Prince Augustin
Jury Member
EVP - Group Human Capital &
Leadership Development,
Mahindra & Mahindra Ltd.



N V Balachandar
Jury Member
Sr. VP & Group Head Human
Resource & CSR
Ashok Leyland Ltd.

ACMA Awards Assessors 2016



Amit Sanghvi
Principal Counselor
Confederation of Indian Industry



Amitav Chaudhuri
Director
Timetooth Technologies Pvt. Ltd.



Anand Swarup Sharma
Director
Juris HR Private Ltd.



Ashok Chintaman Khasnis
Former Divisional Manager QA
Ex. Tata Motors Ltd



Ashok Deshwal
Head Business Excellence
Bharat Gears Limited



Ashok Verma
General Manager
Minda Industries Ltd.



Ashutosh Joshi
Partner
Smart Skills



Brig. Lalit Malhotra
Retd. Indian Army
Consultant in Leadership Development



D Bhattacharya
Management Advisor
Former Sr. Executive Director (HR)
IFFCO



Deepak Jain
Asst. General Manager
Sanden Vikas India Pvt. Ltd.



Vadlapatta Gandhi
Chief of Plant Operations
Lohia Auto Industries



Gaurav Katiyar
Manager
Honda Cars India Ltd.



Group Captain J S Minhas
Consultant
Retd. Indian Air Force



Harish Brijwal
Sr. Manager
Maruti Suzuki India Ltd.



Himanshu Mishra
Sr. AGM
Tata Motors Ltd.



Isha Lal
VP & Corporate Head - HR,
IR & Administration
Lumax DK Jain Group



Jayarama Pradhan
DGM - Corporate Quality Head
QH Talbros Ltd.



J C Jha
Former Vice President
National Engineering Industries Ltd.



J C Kalra
Free Lancer
Kalra Management Consultant



Kallol Roy
CEO
JURIS HR



Kanwarjit Singh
Managing Director
Inapex Private Limited



K C Hallone
Director
Srinivasa Wiring Systems Pvt. Ltd



Lalit Jindal
Head Quality
Neolite ZKW Lighting Pvt. Ltd.



L K Jaggi
MD Partner
Hi-Tech Engg.



L K Jain
Senior Advisor (Special Project)
Maruti Suzuki India Limited



Lokesh Pandey
Associate Vice President
JCB India Limited



Madhu Sudan
Sr. Manager
Maruti Suzuki India Limited



Manoj Tandon
Plant Head
Marin and Human Filter Pvt. Ltd.



Mrugesh K Gandhi
AVP
Godrej & Boyce Ltd.



Musarrat Hussain
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Maruti Suzuki India Ltd.



Noor Hasan
AGM
QH Talbros Ltd.



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Hero Motocorp



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Principal Counselor
Maruti Centre for Excellence



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Managing Director
Continental Automotive Brake
Systems (I) Pvt Ltd.



Parveen Yadav
Sr. Manager
JCB India Limited



P K Acharya
CEO
CK Mohtherson



Pradeep Singh
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Pritpal Singh Kular
Vice President -
Human Resources
General Motors India Pvt. Ltd.



Puneet Kapur
CEO
Lean Excellence



Rabindra Singh
General Manager - HR
Honda Cars India Ltd.



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Partner
Dynamic Industries



Rajiv Gandotra
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Mindarika Pvt. Ltd.



Rajiv Sacher
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Ranjan Vasishtha
Managing Director
Quantum Jump Consulting Group



Ravindra S Saini
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Bharat Gears Limited



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Plant Manager
Faurecia Automotive Seatings India Pvt. Ltd.



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Managing Director
Vector HR Consulting Pvt. Ltd.



Sanjay Chittal
COO
Sharda Motors Industries Ltd.



Sanjeev Miglani
AVP (Operation)
Neolite ZKW Lighting Pvt. Ltd.



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Honda Cars India Ltd.



Sunil Shrivastava
Vice President
Minda Industries Ltd



Sushil Sharma
Sr. General Manager - Manufacturing
New Holland Tractor (Fiat) India Pvt. Ltd.



Yash Khetrpal
Asst. General Manager
Maruti Suzuki India Ltd.



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V.K. Sharma
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Uday Harite
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Jitender Rana
Assistant Director



Prem Kumar
Executive Officer



Sakshi Karkamkar
Executive Officer



Binny Tomy
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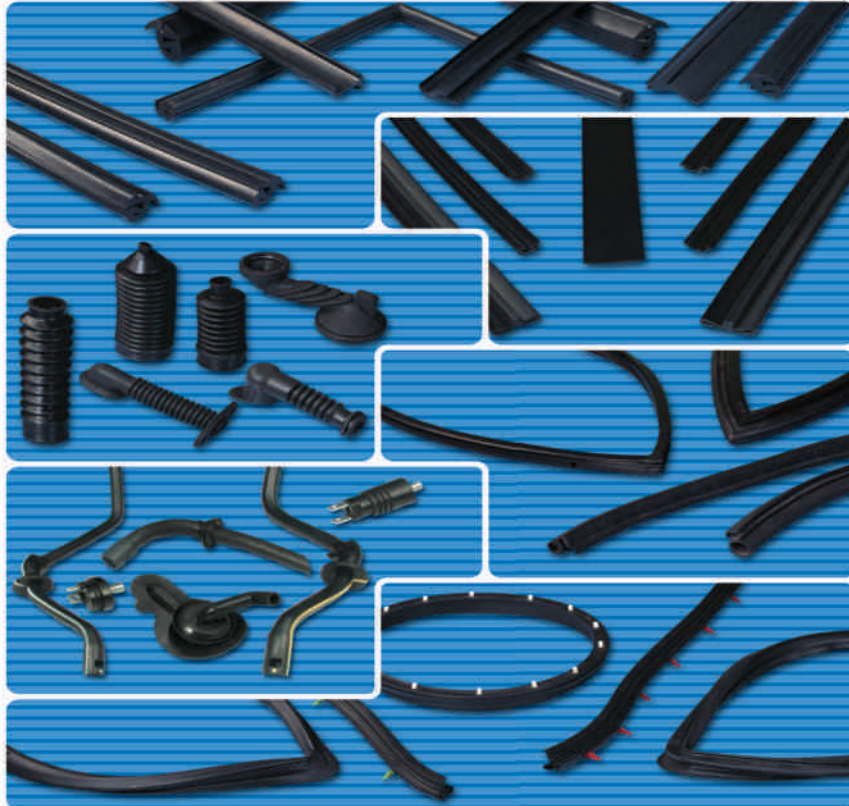


Pragya Srivastava
Executive



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Small Category



Shailendra Bohra
Director



Gold Trophy
Bohra Rubber Pvt. Ltd., Faridabad

The company manufactures extruded rubber components (Cabin sealing systems like Door seals, windshield seals, Flocked rubber profile, deck lid seals, low gravity sponge insulation sleeves), molded rubber components (grommets, bellows, dust covers, rubber seals etc) and assembled rubber components.

Bohra Rubber is part of the Bohra Group that has been in existence since 1924 and is one of the very few companies to be equipped with state-of-the-art integrated extrusion and molding facilities to cater to the automotive OEM and Tier-1 companies. The company is TS 16949 certified since 2002. It has a technical collaboration with Hiroshima Kasei Ltd. Japan, for manufacturing of extruded rubber components that are used as cab sealing systems in the Car, Truck and Bus industry. The company's strength lies in its strong Quality Control and assurance systems. The company has continuously endeavored to build a work culture in the organization such that 'Quality of product and processes' remain the prime guiding factor and a top priority.



Products

We won ACMA Awards in 2016 in Export Category, as we have made huge investments in nurturing and optimizing the resources available within our organization, specially focused on our manufacturing facility. In the last 2 years a special focus has been laid to undertake leap improvements in our processes with specific focus on improving their efficiency and

effectiveness. Automations in various departments has been one of the important steps that have been taken to ensure that there are quantifiable and verifiable improvements in the processes so as to reduce direct and indirect cost inputs and increase efficiency. This has led us to have a very efficient and state-of-the-art processes assisted by the technically advanced equipments on our shop floors. Our most important resource in bringing about these positive changes has been the 'Human Capital'. Our team has cohesively worked with each other in the same direction towards a common goal of increasing efficiencies of all processes. Customers' inputs have also been very helpful in identifying the areas of improvement. In our organization, we endeavor to implement as many suggestions as possible given by our customer as they can positively contribute to increasing our processes' effectiveness. As customer is your best critic, it helps the organization gain customers' confidence, improve our processes and bring overall improvement in the organization's functioning.

ACMA Awards Process greatly helped us getting a prospective on the efficiency of our processes and the changes that we have made over the last few years. The overall assessment process is such that it reflects the effectiveness of the changes that the organization has brought in over the last few years. It helps us to understand the link between the quantifiable deliverables and process up-gradation/changes made by the organization. Thus it becomes a very effective tool to measure if we have genuinely made some gains from the changes/up-gradation that have been undertaken. It acts as a genuine learning process.



Extrusion Facility



Rubber Injection Molding Lines



Small Category



Avinash Kapoor
Director



Silver Trophy

Helvoet Rubber & Plastic Technologies (India) Pvt. Ltd., Pune

Helvoet is a manufacturer of precision plastic parts made from engineering polymers and used for critical applications like fuel systems, braking and engine cooling. Helvoet India services Tier 1 customers like Continental, Delphi and Bosch for their global locations at Europe, North America, South America and China. Helvoet is now in the process of developing precision Housings for Diesel Gerotor pumps and automotive vacuum pumps.

Helvoet has state-of-the-art closed loop controlled injection molding machines and post process operations like double disk grinding, assembly and inspection. It also has an in-house Tool Room to make critical molds. Helvoet believes in employee involvement for continuous improvements and provides trainings to its employees regularly. The employee attrition rate at Helvoet is extremely low.

We won ACMA Awards 2016 Excellence in Exports (Small Category) Trophy as we have always believed in customers. Apart from this, we have ventured into new markets in Eastern Europe and South America through global Tier 1s. We also have an excellent project team which understands the customer requirements well and executes the projects on time



Products

as per VDA 6.3 guidelines. Our tooling design team also come up with innovative tooling solutions on a regular basis with frugal engineering concepts.

ACMA Awards Process is pretty robust and has been improving over the years. The assessors are also well experienced and every time communicate us good improvement areas feedback which we promptly act upon.



DTA Shop Floor



Scholarship Function



EOU Shop Floor



KAIZEN Award

Small Category



Punam Rangar
CEO



Bronze Trophy

Stork Auto Engineering Pvt Ltd., Manesar

The company is manufacturer of Mechanical Control Cables for two and four wheelers. The range includes Gear Shifter Cables, Brake and Clutch Cables, including self adjusting cables, Accelerator, Speedometer, Seat Lock, Window Winder, Hood Release Cables etc.

We are a TS 16949 certified manufacturer of control cables with exports to over 15 countries. Our products are designed to meet exacting operating conditions from the desert regions of the middle east to the extreme cold of Scandanavia. All our products are made to be friction free, tested for fit and feel, produced using best practices and LEAN.

We won ACMA Awards 2016 trophy under Excellence in Exports Small Category based on our efforts to promote exports and our eye on detail and product quality. We have demonstrated high degree of quality awareness by a reducing internal ppm and consistent ZERO ppm to our customers as well our quick response to develop new parts.

Not only the ACMA Awards encourages us but also its process adds value with the site assessment conducted by industry experts. This helps us to further improve our systems and processes as well as the shop floor.



Large Category



Biswajit Choudhury
President (Aftermarket & Export)



Gold Trophy

Endurance Technologies Ltd (Braking Div.), Aurangabad

Our Group companies manufacture Automobile Shock Absorbers, Motorcycle Front Forks, Disc Brakes, Two/Three Wheeler Clutch Assemblies, Friction plates, Aluminium Die Cast Components.

Customers (2Wh/3Wh): Bajaj Auto Ltd., Royal Enfield, Harley Davidson, Hero Motocorp, Honda Motorcycles & Scooters India, India Yamaha Motor, Kawasaki Heavy Industries, Mahindra & Mahindra, Mahindra Two Wheelers, Piaggio Vehicles, Suzuki Motorcycle.

(Passenger Vehicles): Alfa Romeo, Audi, Bentley, BMW, Chevrolet, Chrysler, Citroen, Daimler AG, Dodge, FIAT, FORD, Hyundai Motor India, Jeep, Lancia, Mahindra & Mahindra, Maruti Suzuki India, Mercedes, Nissan, Opel, Peugeot, Porsche, Renault, SAAB, SAIC General Motors, SEAT, Skoda, Suzuki, Tata Motors, Vauxhall, Volkswagen, Maserati.

(HCV / LCV): Ashok Leyland, Case New Holland, Citroen, IVECO, John Deere, MAN, Mahindra & Mahindra, Mercedes, Nissan, Opel, Peugeot, Renault, Tata Motors, Vauxhall, Volkswagen.

1. Diversified leading Indian auto component manufacturer involved in products segments of aluminium castings, brakes, transmission and suspension.
2. Complete solution Provider with 4 products in one basket providing services from design to after sales services.



3. Largest aluminium die casting manufacturer in India, both in terms of capacity and output.
4. Present in Premium 2Wh/3Wh/PV and HCV/LCV segment.

Endurance Group is one of the leading and reputed auto components and accessories Conglomerate in India, having 18 state-of-the-art plants across the country and 7 plants in Europe, backed up with the total strength of approximately 5,000 people. All our plants are TS-16949/QS-9000 certified.

ACMA Award is one of the prestigious awards, being renecknowled amongst the industries. We have collected lot of data from our various units of Aurangabad Division. This award will certainly encourage all the departments at the plant level to improve the manufacturing processes, up-gradation of technology as per the advice of Assessors and Industry experts.



Shining Shop Floor



Machine Shop



Technical Training Center- Training module



Product gallery

Large Category



Mr. Srivatsram
Managing Director



WHEELS INDIA LIMITED
You name it... We make it



Silver Trophy

Wheels India Limited, Chennai



Typical Forged Aluminum Wheel

Wheels India Limited (WIL) started production of Forged Aluminium wheel rims from 2005 with a goal to deliver best product to Global market. WIL produces Forged Aluminium wheels with state-of-the-art machinery to deliver best quality product. The esteemed customers of WIL are AFW, MWSD, SCANIA, TOPY, GLOBAL WHEEL LTD, etc.

WIL Aluminium Wheels are made from High strength Alloy (6061), procured from world renowned suppliers. Rotary Forged and spun for high strength from a single piece alloy billet. Subjected to special heat treatment process that gives High strength and Elongation. Completely CNC machined to give great control over dimensions, trueness and appearance. Pre-stressed at important areas to provide Superior fatigue strength. Polished to a mirror finish with robotic Polishing machine.

Aluminium wheels are about 40% lighter than steel wheels. For a standard size truck with trailer, Reduction of weight up to 400–500 Kg. increase in payload. Reduced fuel consumption.

Aluminium wheels improve a vehicle's appearance and value. Smooth contour & surface finish reduces chances of mud/dirt accumulation. Easy to clean and maintain.

Winning ACMA Awards 2016 in excellence in export is a great achievement & this would definitely take us to higher levels. The in-depth site assessment helps us to showcase our technology, quality levels, capabilities, safety & environment practices etc. It provides an opportunity to show our system in limelight and to compete with other organizations. Receiving the award is such an honour. It is a proud moment for the team to see their efforts are recognized as the best in the category. The data filling process in the ACMA awards website is simple and easy. The structured format reduces subjectivity. Various sub-headings in the website helps us not to miss any valuable information. Doing onsite audit encourages us to showcase our achievements. Valuable suggestions and insight help everyone in the organization. Winning ACMA award is a great achievement and this would encourage the teams to strive for more.



Rotary forging press



Raw Material (FIFO)



Biaxial Testing



Wheels India Limited
Green Plant

Large Category



Manish Padharia
Managing Director



Bronze Trophy

A Raymond Fasteners India Pvt Ltd, Pune Plant

A Raymond India, a 100% subsidiary of ARaymond, France, entered India in 2007 and has grown many folds catering to automotive industry with state-of-art-manufacturing facility in Chakan, Pune. The products can be broadly classified into Clips, Connectors & Bonding Solutions. We are proud to be associated with all the major OEMs (Indian and Global) from 2 wheelers, cars and commercial vehicle segments and their tier suppliers.

A Raymond India is a full service provider right from concept, design, production and line support for OEMs and their tier suppliers. Global presence and AR network collaboration enable managing the global programs for OEMs. We use our global product and process expertise to offer innovative products for Indian OEMs.

In India we started with Injection molding facilities in 2008 and added fasteners & Quick connector assembly facilities immediately thereafter. Recently, we have inaugurated Metal fastener manufacturing plant in the ARaymond facility which marks the entrance of ARaymond India into the Metal Fasteners Market.

We won ACMA Awards 2016 Bronze Trophy for Export Excellence Award in Large category. We take this opportunity to extend our sincere gratitude towards ACMA for providing a platform wherein we could showcase our array of practices in line with our values. Our winning the ACMA trophy is attributed to our strong belief in Entrepreneurial Spirit; the principle of enabling to free the human potential within the organization as to develop a more free-human way of working that we practiced for 150 years.



Fasteners

Quick Connectors

Bonded Products

At ARaymond India, with a growth mindset and keen to contribute towards Make in India initiative; we developed an export focused strategy considering our Vision 2020. With this plan we invested in people, manufacturing equipment's, localization, trainings, customer engagement with providing solutions and all supported by deploying robust processes throughout the organization.

We would also like to impress upon the appreciation that we share for the ACMA Award process. The questionnaire covered every aspect relating to manufacturing from the Export Excellence perspective. Which in itself was a great learning journey. The process conducted was very comprehensive and transparent. The Assessors shared valuable inputs during site assessment which also enlightened us w.r.t various aspects. The procedure helped us in providing scope in procedures wherein we could improve more and strengthen the existing ones.

Overall, being part of this activity was a great learning experience and would like to Thank all for appreciating our efforts.



Large Category



Dr. Naveen Gautam
Managing Director HIA



Gold Trophy

HELLA India Automotive Pvt. Ltd., Gurgaon

HELLA India Automotive (HIA) has grown to be an important electronic and component supplier to the Indian automotive market. HIA headquartered at Gurgaon has electronics development center in Pune, lighting engineering center in Chennai and manufacturing unit in Dhankot. HIA's current and planned product portfolio for India includes-

- **Comfort-** Body Control Modules (BCMs), Car Access Passive Entry (CAPE), Remote Key Entry (RKE), Switches, Temperature Sensors, Rain Light Sensor Application, Smart Mood Lighting (SML)
- **Environment-** DC/DC Converters, Intelligent Battery Systems (IBS), Fuel Control Module (FCM), Vacuum Pumps, Car Body Linear Actuators, Accelerator Pedal Sensors (APS)
- **Safety-** Horns, Tyre Pressure Monitoring System (TPMS)

Major customers include Maruti Suzuki, Ford, Renault Nissan, Lumax, Mahindra, Tata, IJL, Honda and General Motors.

HELLA India Automotive has steadily been expanding its product portfolio from conventional Electro-mechanical products like Horns, Actuators, Switches, and Climate Sensors to more complex electronics products like Accelerator Pedal Sensors, Body Control Modules, Remote Keyless Entry Systems and DC-DC converters. The plant churns out over ~1.25 million product parts every month (almost 20% of the products are exported to Europe & other countries) through its globally standardized processes with very high quality levels. The state-of-art electronics assembly area, one of its kind in the country assures high quality standards, 100% electro-static discharge clearance and silicon free environment. The manufacturing processes are designed with poka-yoke and traceability systems with high level of automation to minimize variation and avoid any unsafe conditions. With consistent focus on improvement in work environment and build-up of cordial relations through multiple employee engagement initiatives, HIA has been able to see a 40% improvement in

productivity clubbed with over 20% reduction in cost of poor quality (Non quality expenses) in past two years. HIA has an enviable record of Zero accidents and near 2 ppm customer line quality record in the past two years due to commitment and disciplined action from every employee at the workplace. HIA, so far, has invested over EUR 15 Mn (over INR 110 Cr.) in its various locations and has planned further investments in coming 3-5 years.



Products

HIA has been selected for ACMA awards 2015-16 in "Excellence in Technology". Transformation from component level supplier to complex electronics can only be erected on foundations of strong technical expertise and process-driven operations. HIA has continuously incorporated newer technologies to cater to challenging demands of OEMs in India and around the world.

Applying for ACMA awards provides us an excellent opportunity to benchmark ourselves against the best in Indian Automotive Industry and learn from the state-of-the-art processes prevalent in India. We also get a chance to showcase our capabilities and to know if they are on-par with the benchmark.

ACMA award is a unique experience as the benchmark is quite comprehensive and world-class. Also, during site diagnosis, we experience very in-depth and highly matured criteria which looks at the practices in a balanced way. The Assessors must be commended for their high-caliber of industry understanding.



HIA Dhankot Facility – SMT Line



HIA Dhankot – BCM Line



Production Line – GEN2

Large Category



Maithilee Tambolkar
Managing Director



Rajiv Kulkarni
Technical Director



Silver Trophy

Sanjeev Auto-Parts Manufacturers Pvt. Ltd., Aurangabad



John Deere, Bajaj Auto Ltd., ZF, TMA, Kirloskar Oil Engines Ltd., Kubota, Eaton, Mahindra, Endress+Hauser.

With a highly motivated employee team of 550+, Sanjeev Group is committed towards continual improvement in Quality, Cost and Delivery through focus on implementation of latest manufacturing technologies across the Supply Chain. Sanjeev established Robotic cellular truly Single Piece Flow layouts with integrated quality.

Progressing ahead with total employee involvement and focused approach on the robustness of processes were the basic themes applied in the journey of ACMA. NPDP cluster journey has been a great learning experience which has been converted into process & technology experience directory as DESIGN GUIDELINES & strengthen the development capabilities. Progressing in the direction of lean manufacturing in terms of quality and productivity, improved VAR, VAPCO by using SMED techniques and customer dedicated cellular layouts.

Sanjeev Group, one of the fastest growing Auto Component Manufacturers in India was established in 1988 by the renowned industrialist and passionate Mr. S D Tambolkar. Having State-of-the-art manufacturing facilities situated in Waluj, Aurangabad as well at Barcelona, Spain, Sanjeev Group is the host of technology and is offering wide range of products to its customers for 2-wheelers, 3-wheelers, 4-wheelers, Agricultural and Off Road vehicles. Our Vision is to be a global leader in providing end to end solutions in Motion Control Applications.

As a result Sanjeev received many accolades from customers like John Deere- PDP Awards in support of Warranty & New Product Development and Six Sigma Gold Award for Lean manufacturing, BAL TPM Award and LCA, Process Innovation, SMED, TEI and Kaizen Awards from ACMA.

Transmission Gears, Engine Gears, Timing Gears, Transmission shafts, Splined Shafts, Input & Output Shafts, Gear sub-assemblies, Kick Levers, Engine Levers, Assemblies, Heat treated parts, Shifter forks & Precision Machined Parts.

Winning this award has encouraged us to move forward with our Mission as "To be a preferred business partner for our customers by leveraging a highly engaged team through Technology and Innovation". This ACMA Journey has helped us in boosting the participation of all the employees in the core values PITCH Drive.



War Room



CNC Gear Chamfering Machine



SMED Station



Robotic Cell

Large Category



Deepak Jain
Managing Director



Bronze Trophy

Lumax Industries Limited, Pune

Lumax Industries Limited-Chakan (Established in 2005; TS, ISO 14001 Certified)

One of the most experienced automotive lighting solutions company in South Asia, LUMAX enjoys a history of more than half a century of Innovation, Technology, Manufacturing and Market Leadership in India. Plant's Key Products: The products manufactured at Chakan plant are primarily Automotive Lighting which include Headlamps, Tail lamps, Sundry and Auxiliary lamps for both 4 Wheeler and 2 Wheeler. Plant Major Customers are: Mahindra & Mahindra, Nissan, Tata Motors, Ashok Layland, Force Motors, Piaggio etc.

Lumax is synonymous with superior quality products which are a result of its constant focus on technology leadership and manufacturing excellence through various measures such as TPM & TQM. Key objective is to strive towards 100% customer satisfaction on PQCD parameters. Plant's Key manufacturing processes: Injection & BMC Molding, UV Base Coat, Metallizing (Both Conventional and Plasma), Lamp Assembly with Robotic adhesive application, Leak & Light Testing. Design & Development capabilities: To further enhance focus on technology leadership a New Technology Group has been formed to promote innovative product and process to meet customer technology requirements at affordable cost. In-house Design Studio (Automotive Lighting) for the 1st time in India. Complete in house design activity with no involvement of external agency. Reduced the dependency on calibrator. Training Calendar made for design engineers and trainings are being conducted by in-house experts and collaborators. To enhance sourcing capability the company is focusing on reducing dependency on imports of critical

parts and are trying to localize the same.

We are delighted to win the prestigious ACMA Awards 2016 trophy in Technology category as we are the first Indian automotive lighting manufacturer who has prime focus on innovative products which meet customer needs and their technology requirements at an affordable price. We are continuously focusing on elemental technology of product so that we can easily integrate the technology between product, process and people to compete with overseas quality at an Indian price. We are working with "Our Hands and Minds Together" policy for self-reliance journey so that our esteemed customers and the consumers at large can enjoy products with latest technology at an affordable cost.

The prestigious ACMA Award processes are helping us to introspect ourselves as a plant/company and to create an environment for further improvements and growth. The audits and feedback on our processes from top agencies are extremely important to help us improve further and to achieve top levels of customer satisfaction. This competition gives us a platform to share our practices & benchmark them with other manufacturers to encourage a positive environment of mutual learning.



Head Lamps



Tail Lamps



Molding Shop



Design Studio



Photometric Lab



Environmental Lab

Small Category



Gautam Desai
Vice President



Gold Trophy

Lumax Cornaglia Auto Technologies Pvt. Ltd., Pune

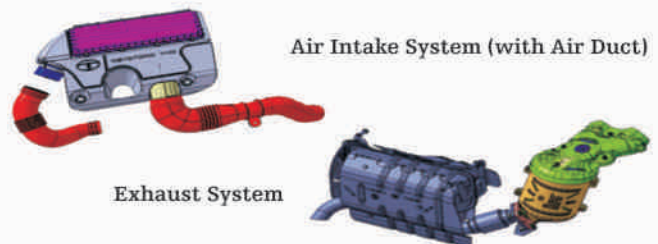
Lumax Cornaglia is a 50:50 JV Co. between Lumax Auto Technologies Ltd. (DK Jain Group) and Cornaglia S.p.A., Italy. The JV Co. is a part of the Emission Domain within the Group and is engaged into the manufacturing of Air Intake Systems (including the Air Intake Ducts), CAC Ducts & Exhaust Systems for the Passenger Car & CV Segment. In our endeavor to grow further and to address the new emission regulation requirements, the JV Co. has the requisite capabilities to diversify into new products such as DEF Tanks, Plastic Oil Sumps for the PC as well as CV segment.

The existing customer portfolio includes OEMs such as Volkswagen India Pvt. Ltd., Skoda India Pvt. Ltd., Tata Motors Ltd., Fiat India Automobiles Pvt. Ltd., & General Motors India Pvt. Ltd.

Lumax Cornaglia is certified to ISO TS 16949, ISO 14001 & OHSAS 18001

Lumax Cornaglia's USP - Design, Development & Manufacturing of Complete Vehicle Emission System (Air Intake + Exhaust System). The JV Co. has strong capabilities in developing Engine Mounted Air Intake System – integration of Engine Cover with the Air Filter Assy. resulting in overall system cost resulting in overall system cost reduction. One of the first in India to industrialize the 3D Blow Molding technology for Intake Ducts & CAC Ducts – high significance from Emissions perspective and overall durability & weight reduction. Lumax Cornaglia has achieved Self-Reliance in Product Realization capabilities – Proto to Production.

The JV Co. is continuously focused on technology leadership and manufacturing excellence by adopting TPM and BIQ methodologies. The strong HR practices



enable us to focus on employee morale and motivation through various activities such as 'QCC'; conducting Open Communication Forums; celebrating Quality Month, Safety week, etc – all this ensures 100% employee involvement. One of our strengths' is also based on the objective to build a safe work culture through work-place risk analysis and regular trainings to all levels of employees.

We won ACMA Awards 2016 Gold Trophy under Quality & Productivity Category as we have a Pleasant work-place with open culture; Employee involvement is prominent across the organization; Customer satisfaction is also evident through the QCD results; Robust manufacturing processes exist & Management involvement in achieving the desired results through well defined objectives.

ACMA Awards process gives us the honour and pride to showcase our Product, Process & People capabilities and build upon our current strengths to improve further. The overall assessment and the feedback inspires us to review our internal systems and processes so as to be able to achieve greater levels of employee & customer satisfaction.



3D Blow Molding Machine



Exhaust Robotic Welding



PU Dispensing Machine



Paper Pleating Machine

Small Category



Rajeev Gera
COO & Vice President



Silver Trophy
Chang Yun India Ltd., Gurgaon



Steel-Double Cone Synchronizer Rings with Carbon Coating



Brass-Double Cone-Inner Synchronizer Ring



Brass-All types Synchronizer Rings



Brass-Single Cone Synchronizer Ring

Chang Yun India Pvt. Ltd. produces single, double & triple cone Synchronizer Rings in both Brass & Steel. The company is also engaged in providing surface coating solution like Carbon coating. Primary customers of the company are; Maruti Suzuki India Ltd., Avtec Ltd. (Ford India Pvt. Ltd.), Mahindra & Mahindra and TATA Motors Ltd.

Chang Yun India Pvt. Ltd. is a State-of-the-art plant with 4 Forging Presses and 42 CNCs. We have equipments like C.M.M, Roundness Tester, Roughness Tester, Contourograph, Auto Taper Dia Height Checker M/c etc. We have environment friendly processes which are operated in controlled environment. We have trained workforce of Operating Engineers with minimum Diploma Qualification for running our machines.

Through our excellent manufacturing processes, we have been able to maintain our customer rejection ppm less than 1 form continuous three years. We are promoting our operating engineers to staff level through various development programs. Our staff level employees are trained in Anand University for Leadership, Management and Problem Solving Skills. Some of them from Process Engineering are trained from IIT Chennai. We provide unique near net forging, liquid honing & patented RM options to clients. Further, jointly with our JV partner, we provide design & development of transmission parts, surface coating technology and testing solutions to clients. Through various employee engagement programs like Annual Functions, R&R functions, HOD get-togethers and monthly communication meets, we keep the morale high of employees at all levels.

We won ACMA Awards 2016 trophy in Excellence in Quality & Productivity (Small Category) as we have excellent Manufacturing Facilities, Talented people, good operating systems, material storage and handling, plant up-keep, documentation, Customer satisfaction & Innovation practices across all levels of employees.

Through the stringent and detailed initial application process, we have re-identified our own strength and best practices. Further, the on-site evaluation process helped us to identify our areas of improvements. The assessors, through their on-hand experience, helped us to understand many new concepts through which we can yield great results.



Small Category



Kirti Rathod
CMD

Rohan Rathod
CEO

Silver Trophy

Delux Bearing Pvt. Ltd, Surendranagar

Delux Bearings Pvt. Ltd is a leading manufacturer of Automotive Bearings in India. We supply Clutch, Transmission, Steering, Axle Bearings and Precision Parts to all major OEMs, Tier 1 customers. We have our footprint in the Auto Industry since 1956. We are a professionally managed company with 3 manufacturing units catering to global customers. We are committed to serve our customers through innovation, precision and quality in every endeavor and at every step.

Delux provides END to END solutions, from design to benchmarking. We are based in the heart of the automotive supplier belt which makes our supply chain extremely agile and flexible. We treat our suppliers as an extension of our own organization – the benefit is continuous improvement with child part supplies. We have a vast after sales network – the benefit we understand the need and the dynamics of the after sales Indian market and deploy measures to address the customer.

Quality

To maintain quality we conduct fit, form, function & appearance as per customer requirements. Process qualification of each process & machine. SOA team continually works on quality improvement at supplier end.

In-house rejection in PPM

- 2013-14 – 6900
- 2014-15 – 3500
- 2015-15 – 3500

Steps taken to reduce in-house rejections:

- 1) Daily red bin monitoring & analysis at Gemba
- 2) Poka Yoke implementation
- 3) Improving machine health through my machine campaign
- 4) Conducted operator awareness training program
- 5) Standardized machine programming & its parameters

Rework PPM

- 2013-14 – 950
- 2014-15 – 810
- 2015-16 – 710

For reducing rework:

- 1) We introduced new SOP design & acceptance level
- 2) Changed process layout
- 3) Established cross functional supplier quality control team & introduced counter measures & validation at supplier end.

Supplier rejection PPM

- July'15 – 9020
- February'16 – 2800

Efforts made to reduce supplier rejection:

- 1) SOA co-ordinators doing online inspection at supplier end to minimize quality related issues
- 2) Motivated suppliers to do more Kaizen, LCA at their shopfloor



Delux Bearings-6451
[Passenger Cars] Nrupen M

Warranty PPM nil in 2013-16

Efforts made to reduce warranty:

- 1) Bearings tested for 2 million cycles by improving quality inputs
- 2) Developed functional testing for oil leakage, torque checking, shifting load, mud test
- 3) Video measuring for dimension

Poka Yoke

- 1) 50% productivity increased in single stroke assembly at press
- 2) Safety on press machine through productivity increased by 50% & process is incident free

Productivity

Manpower

- No. of products/man/year
- 2013-14 – 8.5
- 2014-15 – 10.2
- 2015-16 – 11.75

We have improved productivity on press which gave yield of 50% & line balance for Bearing assembly 46%, manufacturing process & material travel reduced from 15.07 to 8.92 meters, manufacturing lead time reduced from 12 to 10 seconds.

% of operators using more than 1 machine

- 2013-14 – 52%
- 2014-15 – 72%
- 2015-16 – 80%

ACMA award is a prestigious award. It is a platform to implement change management. Winning the ACMA award indicates that our company is progressing in the right direction & moving towards excellence.



Large Category



K Srinivas
Executive Director



Gold Trophy

Pranav Vikas India Pvt. Ltd., Faridabad

Pranav Vikas, A joint venture with Sanden Corporation Japan, is one of the leading heat-exchanger manufacturer in the country today, supplying to most of the Automotive OEMs as well as for Non-Automotive applications. The Product portfolio for heat exchangers includes Condensers, Evaporators, Heater Cores, Radiators & Oil Coolers, all in Aluminum. Customers include Maruti Suzuki (supplied through Sanden Vikas), Mahindra & Mahindra, Tata Motors, Bajaj Auto, Yamaha Motors, Royal Enfield, to name a few. Pranav Vikas also exports Heat exchangers to some European and Asian countries.

With over 2 decades of experience in manufacturing Aluminum Heat-Exchangers, Pranav Vikas (India) Pvt. Limited (PVL) is today one of the largest and most diversified Heat exchanger manufacturer in India.

PVL Faridabad Plant is having state-of-art manufacturing facilities with robust processes and is one of the best heat exchanger plants in India with focus on specific product lines and market segments and working towards excellence. The facility is equipped with fully automated CAB (Controlled Atmospheric Brazing) furnaces, Computerized Helium detection systems and Header Manufacturing lines.

A strong Design & Development team, together with complete Testing & Validation facilities has enabled PVL to come up with latest products for various applications and market segments.

A strong focus and capability development, building a culture of Challenge & Innovation through TEI and thriving for execution excellence is helping PVL to achieve its growth aspirations.

The manufacturing location is ISO/TS 16949, EMS 14001 & OHSAS 18001 certified.

We won ACMA Awards 2016 trophy in Quality & Productivity (Large) as we have state-of-art manufacturing facility with adequate mix of high and low end automations. We have a strong team of employees with relevant experience and exposures supported by imparting individual specific trainings. The product and processes are designed after thorough in-depth failure mode analysis by the CFT teams with a focus of having



Aluminum Heat Exchangers

zero defect products. We have a unique way of managing the Poka Yoke in our assembly lines thus ensuring defect free delivery of products to our customers.

PVL has a competent design & Development, aided by all the relevant simulation / analytical tools, thereby making us capable to design & develop optimized heat-exchanger solutions for our customers. Our teams have come up with Innovative products in the last few years; a few of them have already been applied for patent.

In addition to the focus on Quality at Customers & In-house locations, the company had made significant efforts on upgrading supplier Quality by way of Year-long interventions. This has helped us in significantly improving supplier Quality and thereby aiding us in delivering superior products to our customers

Productivity Improvements were achieved by focused approach of eliminating Muda and involving all through multiple QCC teams working at Gemba.

ACMA awards process has been instrumental in improving our processes in our plants. Our NIT plant last year won the ACMA silver trophy for HR practices and this year we have applied for the GPW (Great Place for Work) award evaluations.

Last year PVL Palwal Plant also won the ACMA Gold for manufacturing excellence after getting the Silver trophy a year earlier, we have felt that the ACMA award process acts as catalyst to the improvement journey and thus we had applied for the Excellence award in Quality & Productivity for the NIT plant.

ACMA awards are prestigious and very well recognised by the Industry and getting the coveted awards as recognition of excellence helps improve customers perceptions and also motivates the employees to sustain and aim higher.



Shop Floor Entrance



Assembly Line



Test Lab



CAB Furnace

Large Category



ALOK TRIGUNAYAT
COO



Silver Trophy

Ecocat (India) Pvt. Ltd., Faridabad

Ecocat India is an exhaust gas catalyst manufacturer supplying after treatment system to vehicle & engine manufacturers to meet Euro IV, V & VI emission norms. We supply complete catalysts with substrate, coating and canning for different applications e.g. Petrol, Diesel, LPG, Bi-Fuel, SCR, Particle Oxidation Catalyst, DPF, Urea hydrolysis catalysts, Ammonia slip catalysts, Lean NOx Trap (LNT), etc.

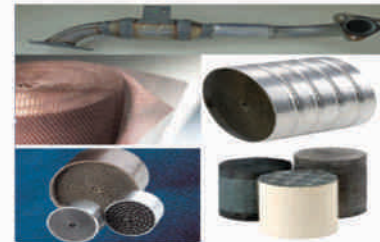
We enable efficient System design with our expertise in selection, design & calibration of system elements.

Domestic Customers: Tata Motors, Mahindra & Mahindra, Eicher Volvo, General Motors, Piaggio, Royal Enfield, Scooter India, Ashok Leyland, etc.

Export: Europe, China, Russia

Our Mission: Clean environment for the World by proving innovative technological solutions to reduce pollution.

We have state-of-art-manufacturing facility doing substrates, coating & canning in one location. We have achieved 100% delivery for all customers. All CTO parameters are being monitored online. Continuous reduction in internal rejection PPM through Poka-Yoke implemented on various operations. Continuous Productivity improvements in terms of Man, Material, Machine & Energy through SGA functioning in all sections. We are highly focused on innovative solutions & customer satisfaction. The company has developed many new innovative products to meet/exceed the customers' current & future requirements for euro vi. Heavily invested in R&D equipment & manpower for development of new technologies. We have well trained



Products

& empowered employees & provide happy, healthy & safe working environment.

We won ACMA Awards 2016 trophy in Excellence in Quality & Productivity in large category as we have excellent performance on Quality & Delivery for all customers. Continuous reduction in internal rejection PPM through effective Poka-Yoke. Manpower productivity has been consistently going up. Executed many improvement projects focused on improving productivity levels & reducing the energy cost. Company is meeting high level of 5S and Visual controls. 100% training to all on 5S, Kaizens & Problem solving techniques. Company has active SGA, executing many improvement projects through structured problem solving techniques. We have effective SGA functioning in all areas generating fast and correct resolution, Cost reduction through VA/VE.

The ACMA Awards Process aims to bring awareness among the manufacturing units by sharing best practices through their assessment criteria. This assists organizations who are contemplating adoption of Excellency in manufacturing practices. The Awards program is a platform where industries that have been looking at best manufacturing practices are recognized and awarded for their achievements.



Robotic Coating Machine



Visual Display on Shop Floor



R&D Facility

Large Category



Pravin Malhotra
Chairman & Managing Director

NIPMAN™
AUTOMOTIVE FASTENERS



Silver Trophy

Nipman Fastener Industries Pvt. Ltd., Haridwar

Nipman Group Organisation:

It serves its customers through three verticals:

- (i) **Nipman Fastener Industries Pvt. Ltd.** - Produces Automotive Fasteners.
- (ii) **Nipman Automotive Components Pvt. Ltd.** - Produces Cold Forged and/or machines components.
- (iii) **Nipman Steering Systems Pvt. Ltd.** - Produces steering components & sub assemblies in collaboration with a leading Korean company.

Established in 1997, Nipman serves several OEMs, Tier-1 & Tier-2 manufacturers in the auto sector in India from its 5 Plants situated at Ghaziabad (U.P), Manesar & Bawal (Haryana), Haridwar (Uttarakhand) and Chennai (Tamil Nadu)

The products are approved by leading Indian, European and Japanese OEMs and their Tier-1 and Tier-2 suppliers

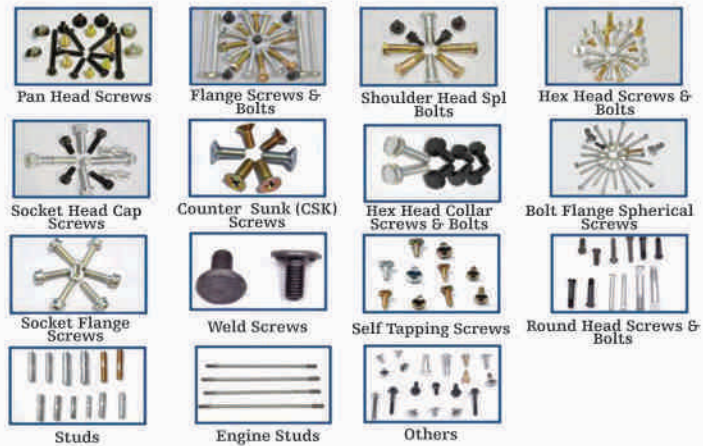
All plants are ISO 9000:2008, TS 16949:2009, ISO 14001 and ISO 18001 Certified.

Nipman's philosophy is to "Achieve Best to give the Best" to its customers by deploying world-class technology and best practices in all spheres of business activity. We follow a process approach and lean manufacturing philosophy. We have institutionalized Nipman's 4W 1H check (SOP's for all workstation). We operate through multi-locational plants and self directed teams which work closely with the customer to give them the best on the QCDM scale through Total Employee Involvement. We are a learning organisation where the daily mantra of improvement drives the company.

This award has ensured that we consistently deploy the best Productivity and Quality Systems and processes



Key Product & Product Families



throughout the plant to ensure the highest quality products to the customer. We also won ACMA Awards 2011-12 Bronze Trophy and 2013-14 Gold Trophy for Excellence in Quality and Productivity.

ACMA Awards Process is a Bench Mark to identify the Plant status, Gap analysis and Improvement to reach and sustain global standards in manufacturing practices for employee development and leadership within the company.



Shop Floor Review By C.M.D.



SGIA Team



Kaizen Hero Award



My Machine Activity

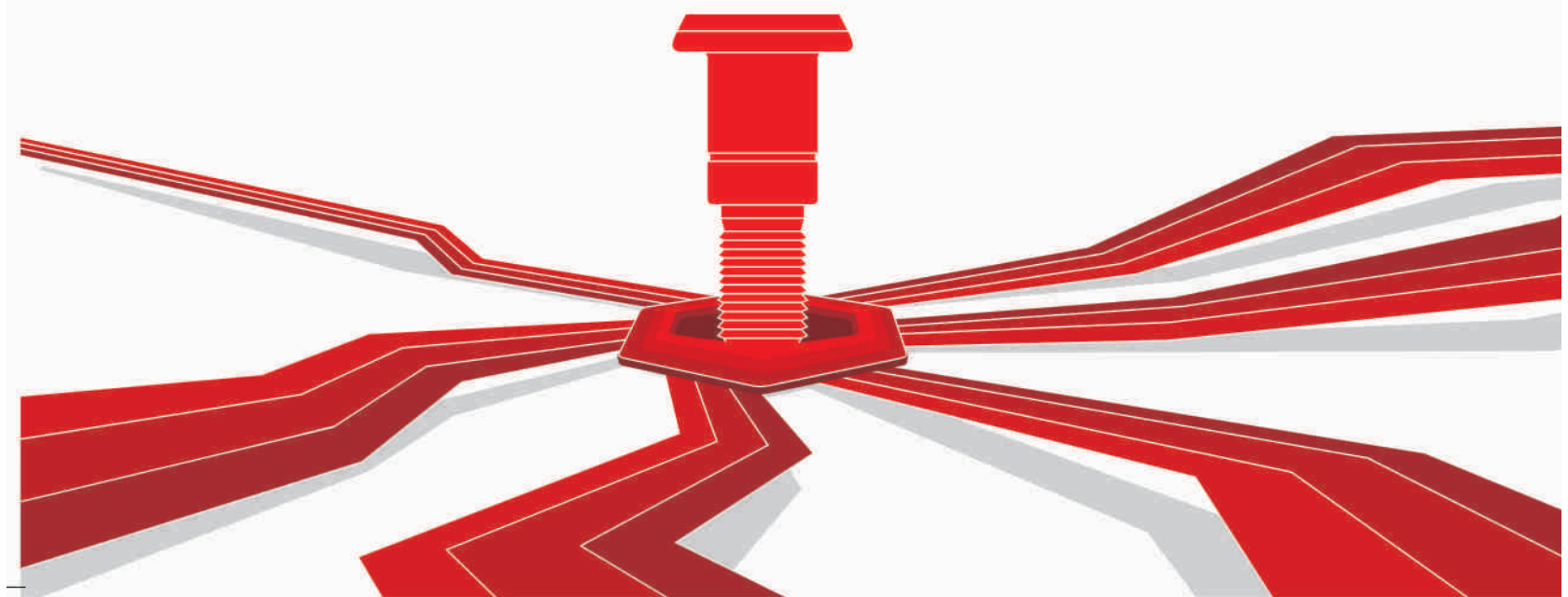
STERLING TOOLS LIMITED



STL manufactures high tensile fasteners for the automotive industry catering to passenger cars, two wheelers, commercial vehicles, agri equipment and construction equipment manufacturers.

We address the demands of a dynamic market environment in accordance with quality standards and environmental regulations. Responding to the needs of prominent OEM and Tier 1 players worldwide, we offer a variety of surface finishes such as Zinc Phosphating, Zinc Plating and Dip Spin Coating on fasteners. We use leading brands for coating finishes on fasteners, such as Geomet, Magni are done in-house. We have in-house facility to do Product Design Simulation, Fastener Endurance Test and Bolt Joint Simulation.

We classify our fasteners into four categories and these can be manufactured to suit customer requirements.





STANDARD FASTENERS



SPECIAL FASTENERS



CHASSIS FASTENERS



ENGINE FASTENERS

Nuts

M6 to M22 and equivalent inch series

General Specifications for Fasteners

Diameter Range M5 to M26

Length range

10 mm to 300mm

Heat Treatment Grades

7T, 8.8, 9T, 10.9, 11T and 12.9

Surface Finishes

Zinc Plating with Trivalent Chrome,
Zinc Phosphating, Zinc Flake Coating
(Geomet and Magni)

CORPORATE OFFICE:

5A DLF Industrial Estate, Faridabad
Haryana - 121003

PHONE: +91 (0) 129 -227 0621, 0622, 0623, 0624, 0625

FAX: +91 (0) 129 -227 7359

EMAIL: sterling@stlfasteners.com

WEBSITE: www.stlfasteners.com

Large Category



P Arul Kumar
Managing Director



Ramneek Jain
Sr VP & COO



Gold Trophy
Spicer India Pvt. Ltd., Pune

Drivetrain Products



SIPL's Customers



Spicer India Private Limited manufactures a highly efficient, new age range of Drivetrain products, Driveshaft's and Axles that offer the multifarious advantages of improved fuel economy, torque-carrying capacity and weight reduction. Spicer India Private Limited is a joint venture between Dana Holding Corporation, USA, a world leader in Axles, Driveshaft's, Structural Sealing and Thermal-management products and Anand, India - the Industry leader in automotive solutions in India. Dana collectively produces for more than 70 million vehicles annually. Based in Toledo, Ohio, the company employs approximately 22,500 people in 26 countries with its revenue of \$ 6.1 billion.

Anand is among India's leading manufacturers of Automotive Systems and Component making it the country's leading OEM supplier. The Group supplies to every major vehicle and engine manufacturer in the country and also has a sizable export market. An Industry leader in automotive solutions, the group recorded a sales turnover of INR 74 Billion in 2015-16, targeting to achieve INR 100 Billion by 2017. Today, with 19 companies spread across 57 locations and 11 states of the country.

Spicer India Pvt Ltd focused on supplier development practices and revealed how involving suppliers in supplier development activities is important. Our approaches to supplier development include:

- Rewarding performance (Supplier Awards, Best VSME supplier's awards, SIP Graduation certificate)
- On-going detailed assessment and feedback (Supplier System Assessment, Special process module & COI audits)
- Direct involvement in suppliers' operations, Mentoring suppliers (VSME, Supplier improvement process, First time through during new product development).

Focused activities are followed for supplier development & to improve overall supply chain performance-

- VSME: VSME Is the Programme for Tier 1 & Tier 2s Work Together to Create Tier Relationship of Win-Win and Develop Visionary SME. VSME Paradigm: 1) Produce based on requirement of market/ customers 2) Focus flow 3) Increase Efficiency 4) BSH: Buck stay here 5) Work as a team "line operationally ready". Three Breakthroughs in Visionary SME to Create New Tier Relationship 1) Do & Demonstrate 2) Focus on Flow 3) System Approach
- Supplier Improvement Process (SIP) – Closely working with supplier to reduce PPM by 50% within six months.
- Onsite Supplier System Assessment (SSA), Special Process Module (SPM) & COI Audits.
- Supplier Portal – To enable online information of PO/LOI, GRN, Payments, Quality etc.
- Supplier Satisfaction Survey for supplier feedback.

Winning this award is absolute honour & has increased team moral. Going through this complete award journey gives us lot of learnings for improvement in future. This award is symbolic representation of progress in right direction.



SIPL Ranked First in Auto comp Mfg. in 2016 in "Great Place to Work"



Prof. Shoji Shiba's training at supplier location



VSME Graduation Ceremony



Supplier Improvement Process (SIP) Graduation Ceremony



Supplier Recognitions in Supplier Conference

Large Category



N K Minda
Chairman

Silver Trophy
Mindarika Pvt. Ltd, Manesar



Mindarika Pvt. Ltd is a technology leader in the field of automotive 4-wheeler switches. Our key Customers are Maruti Suzuki India Limited, Honda Cars India Limited, Toyota Kirloskar Motors Limited, Hyundai Motors India Limited, Mahindra & Mahindra, TATA Motors Limited and Nissan Motors India Limited. Product category includes Lever Combination switches, Power Window switches, Heater Control panels, instrument panel switches etc.

Mindarika Pvt. Ltd. is having Government approved in-house R&D facility wherein major focus is on innovation. Our company is having provision of technology for manufacturing of parts, assembly, testing & reliability processes. Also it is one of the best company in India for automotive 4-wheeler switch with local R&D/design capability with trained Engineers at Tokai Rika Japan. For further facilitating R&D function, company's giant strength in manufacturing comprises of molding, press shop, electronics assembly process, product assembly process, CNC machines & Sheet Metal & Molding Tools manufacturing. Company adopts best practices like good containerization, FIFO, 5S, Kaizens, Lean systems, use of IT in manufacturing to eliminate human errors.

We won ACMA Awards 2016 trophy in (Excellence in Supplier Development), as we believe in our core value i.e. "Customer is supreme". We always deliver best quality products, which strongly reflect in our customer satisfaction. To achieve this we are continuously supporting to our suppliers for complete culture change and dedication toward quality improvement by sharing



our best practices. We are providing them trainings according to their need and interacting regularly for mutual benefit and continuous improvement approach. Mindarika Top Management is committed towards improving quality and culture, which is also reflecting in our Vision, Strategies and Policies. Our combined efforts are to offer unique attributes in our product and become most preferred supplier for our customers.

ACMA awards are very prestigious recognitions in the auto component industry. The award process is very refined and fits completely as per the global manufacturing practices. Their step towards green movement by completely eliminating the use of paper in award process is truly commendable.

Feedback received from assessors, having rich experience of subjects, helps us to continuously improve and adopt global practices.



Overview of Assembly line



Special Purpose Machine Zone



Reflow Soldering Section- Electronics assembly



(LIN) Base Endurance testing Machine

Large Category



Manoj Kolhatkar
Managing Director



Bronze Trophy

Gabriel India Ltd., Pune

GABRIEL INDIA LTD is the flagship company of Anand Group, established in 1961 and is the Pioneer of Ride Control products in India. As the leading manufacturer in the country, Gabriel India supplies to all key OEMs in India, along with a strong focus on Aftermarket and Exports. The Company has comprehensive portfolio of products that have applications in 2 - Wheelers, 3 - Wheelers, Passenger Vehicles, Commercial Vehicles and Railways.



Product-Strut/Shocks absorber/TFF

Gabriel India also has a product specific technical assistance agreement with KYB Corporation Japan, KYBE Spain, Yamaha Motor Hydraulic System, Japan and KONI B.V. (KONI) of ITT Group for Passenger cars, Two wheeler and Commercial Vehicle, Buses and Industrial Equipment suspensions respectively. Gabriel India is a public listed company on NSE & BSE.

Gabriel India Limited (headquartered in Pune) has six manufacturing facilities (Pune, Khandsa, Nashik, Hosur, Dewas, Parwanoo) and three satellite plants (Sanand, Malur and Aurangabad). We possess an aggregate manufacturing capacity of 28 million units, addressing the needs of prominent Indian automotive majors. Our production facilities are proximate to OEMs, facilitating just-in-time supply and reliable customer service. We employ cutting-edge manufacturing technologies, (Laser Welding Technology, Friction Welding Technology, Water based Autophoretic paint system, Zero Discharge Chrome Plating, High Speed machining), proactive product development, sensitive customer service and market-outperforming stakeholder returns.

Gabriel India has three state-of-the-art R&D Centers, located at Pune, Nashik and Hosur. These have facilities for fundamental design and development, future technology assimilation, best in class product validation centers, design & validation software, apart from ride and handling facilities. The R&D Center for Passenger cars and Commercial vehicles at Chakan near Pune, provides valuable inputs to all plants of the Company. This extends to several areas including noise

measurement, value engineering, improving product quality by root cause analysis of customer complaints as well as cost reduction through localization efforts apart from fundamental engineering on future technology. The R&D Center also supports OEMs with its ride tuning expertise. Gabriel India has a dedicated R&D team based at its Hosur and Nasik facilities for 2 - wheelers. To provide complete suspension solutions for better ride comfort, the R&D team works closely with its customers to ensure 100% participation from inception to production.

Significant Achievements and accolades include:--

- India's first light weight McPherson Strut that won the prestigious Golden Peacock Award for Eco-Innovation Award
- First Indian Company to have developed successfully complete set of shock absorbers for high speed railways
- India's first shocks with floating piston for motor cycles to improve ride and handling
- India's first adjustable electronic shock absorber
- Technology support to Gabriel Colombia
- Equipment support and production facility planning support to Gabriel South Africa

Gabriel continues to be recognized with a series of Industry awards and accolades. Gabriel India was listed in the 'India's Best Companies To Work For 2012' and 2nd Best company among automobile & 43 rank among all industries sector-2015 and among top 100 companies in India -2016 study conducted by the Economic Times and The Great Place to Work Institute, India and recently listed the best companies among automobile companies across India in 2015 and ranked in top 2 companies among all industries. Gabriel was awarded with the 'Golden Peacock Eco-Innovation Award' for the Hollow -Tube Strut specially developed for one of its premium passenger car customers.

We won ACMA awards 2016 Bronze Trophy under Supplier Development (Large) Category.

It gives us great sense of pride winning Supplier Development Award at national level. This shows our Supplier development process and support to our supplier partners in different initiative like VSME, Training, Innovation & VAVE for cost cut down to sustain bottom line.

ACMA Award process & assessment gave many insights to improve company to benchmark industry practices.

ACMA audit process has given good insight of our practices and strengthens our belief for taking this initiative to the next level.



FG Storage



Work in Progress



RM Store Dock



Main Entrance

MSME Category



Punam Rangar
CEO



Gold Trophy

Stork Auto Engineering Pvt Ltd., Manesar

Manufacturers of Mechanical Control cables for two and four wheelers. Our range includes Gear Shifter Cables, Brake and Clutch Cables including self adjusting cables, Accelerator, Speedometer, Seat Lock, window winder, Hood release cables etc.

We are a TS 16949 certified manufacturer of control cables with exports to over 15 countries. With reverse engineering being the back bone of our business growth and development we follow a very structured approach for product development and manufacture with great emphasis on quality. We follow a LEAN approach for maximizing productivity.

We won ACMA Awards 2016 trophy in Manufacturing category for Small Sector based on our efforts at increased productivity, lean manufacturing and low cost automation as well as our eye on detail and product quality. We have demonstrated high degree of quality awareness demonstrated by a reducing internal ppm and consistent ZERO ppm to our customers as well our quick response to develop new parts.

Not only do the Awards encourage us but the process adds value with the audit conducted by industry experts helping us to further improve our systems and processes as well as shop floor.



MSME Category



M P Singh
Managing Director



Silver Trophy

Paul Components Pvt. Ltd., IMT Manesar

We are leading suppliers of Valve Stem Seals, Crankshaft Rear End unitized PTFE Oil Seals, Rotary Shaft Seals, Multi Lip Oil Seals, Axle Seals, Dust Seals, Sealing Nuts (Nylock Nuts), PCV Systems of Engines and special purpose Hoses supplying to OEM's like Ashok Leyland Ltd., Mahindra & Mahindra, Standard Combine, Simpsons & Co. Ltd. and other customers like Rane TRW, Senior Flexonics etc.

Paul Components strive to deliver the best designs & quality products to customers after meeting all the critical parameters and validating the part in-house with the latest technologies. We believe in continuous improvements and welcome the comments & suggestions from our ground level team to our ultimate customers. We anticipate the needs of the auto makers and propose the latest sealing solutions which make us stand out of the crowd. We have all the latest testing facilities available in-house to test the Compounded rubber and final products.

We are ISO/TS-16949 & ISO-14001 certified company with a strong commitment for quality, safety & environment. Our successful practices through the years include Kaizen, Gemba, 5-S, 7 QC Tools, PDCA, Visual Management, Extensive training modules etc.

We won ACMA Awards 2016 trophy in Manufacturing Excellence (MSME) as we have



Valve Stem Seal



Crankshaft Rear End PTFE Oil Seal

excellent manufacturing facilities and processes deploying Poka Yokes, Talented people, Good Operating Systems, Good Material Storage and Handling, Plant Upkeep, Documentation, Customer Satisfaction, Innovations etc.

ACMA Awards Process has helped in qualitative assessment to validate and approve our excellence in manufacturing which in turn helped to boost the morale of employees with encouragement of continuous improvements and a better team work.



Shop Floor



Chemical Weighing System



Lab



Compound Cold Storage Area

MSME Category



Saurabh Poddar
Managing Director

SELLOWRAP EPP
INDIA PVT. LTD.



Bronze Trophy

SELLOWRAP EPP INDIA Pvt. Ltd., Bawal

It's a Joint Venture Co. among Sellowrap Industries Pvt Ltd., Mitsui & Co. (Asia Pacific) Pte. Ltd and Kaneka India Pvt. Ltd. to manufacture Foamed PP products for Bumper Core, Floor spacers, Tool Kit, Side Impact, Sun visors, Returnable containers etc.

Customers: MSIL, VW, SKoda, GM India, Nissan, Nefab India and Renault.

We at Sellowrap EPP India Private Limited have introduced high value products and technology to Indian Automotive Industry. We have utilized our expertise to contribute to Energy Saving and bringing innovation to the industry. Our objective is not only delivering the quality products but also to develop New Products and Technology with close cooperation with our customers and technical partners globally.

Machinery & Utilities

- Engineering Plan
- Molds / Checking Fixtures manufacturing & trials under technical guidance from Kaneka at Malaysia / China and kurtz Germany.

Winning ACMA Award is an honor and has also helped to elevate the employee morale, encourage team work and strengthen the feeling of 'We are Sellowrap EPP'.



Products

The ACMA Awards is certainly an inclusive, dynamic and a qualitative assessment. We consider winning the ACMA Awards as a validation that Bawal Plant is progressing in the right direction of sustaining excellence. The Assessment process and the feedback report have also given us an opportunity to further scrutinize our processes and accordingly explore areas for improvement. Mainly the efficient online submission of document, end to end support and guidance from ACMA coordinators have facilitated us greatly to prepare for and finally win this prestigious award.



Quality Board for Part Inspection



In house Lab Testing Facility



4M Change Management Board



Defect Chart at all Station

MSME Category



Vinod Kumar Pahilajani
Managing Director



Bronze Trophy

Technocrat Connectivity System (P) Ltd., Pantnagar

We introduce ourselves as one of the reputed manufacturers of Wiring Harness of the country. Our products find applications in Auto Switches, Auto Panels, Auto lights, Break assemblies etc. We also enjoy substantial SOB by reputed OEMs of Two and Four Wheeler industry such as Maruti Suzuki, Sony, Pioneer, Fujituten, Yamaha, Honda, Tata Motors, Mahindra and Koito. We are tier two supplier to these OEMs through our esteem customers like Minda Industries Ltd. and Varroc Engineering Ltd.

Our plant has state-of-art-manufacturing facilities with automatic wire cutting and crimping machines, Heat sealing machines, Crimp profile checking machine, etc. We joined various clusters and implemented good manufacturing systems like 5 S, Single piece flow, Abnormality Management, 4 M change control system etc. All employees participate enthusiastically in Q C Circles and come out with many Kaizens.

We won ACMA Awards 2016 trophy in manufacturing (MSME) as we have state-of-art machines for production and inspection, manned by competent and trained people. We have good systems for Quality control, Advance Product Quality



Products

Planning, daily work management, Obeya room, Daily accountability meetings and a daily accountability board. As a result of these processes in place, we are able to serve our customers to their complete satisfaction.

ACMA Awards are one of the very reputed and recognized awards in the Automotive Industry. The e-application system has made it more transparent. The whole process of filling up the application, which asks some very probing questions and the audit by experienced auditors, gave us many opportunities for improvement.



SME Award 2016



Assembly Line



Testing Facilities

Large Category



Sudhir Kashyap
ED & CEO - MCL



Gold Trophy
Minda Corporation Limited, Pantnagar

This plant manufactures Mechanical Security Systems for 2, 3 & 4 wheelers and Off-road vehicles, Wiring Harness for 2, 3 & 4 wheeler, Wiper Blades, Plastic interior parts, Glow Plug, Break shoe, Break Pad & Clutch plate.

Minda Corporation Ltd., Pantnagar is having a young dynamic workforce with best mfg. facility for Assembly, Die Casting & Powder-coating. We have our own Business Excellence Model called MBEM which enable to holistic excellence. Also the Org. is practicing the 31 point check list published by ACMA for Gemba improvement. Also the lean tools & techniques are practiced like 5S, Kaizen, VSM, etc. across the org. Team bonding is very strong here as well as Total Employee Involvement to cross any hurdle in between. To name some of the best practices are Visual Management, Daily Work Management, Line Leader Development Program, Leadership Development Program, SAP for IT integration, End to end Bar-Coding System etc.

We won ACMA Awards 2016 trophy in Excellence in Manufacturing (Large) as we have State-of-the-art Manufacturing Facilities, Talented & skilled people (Blue as well as White-collared), good operating systems, material storage and handling, plant 5S, documentation in terms of TS 16949, ISO 14001 & ISO 18001, high Customer satisfaction Index, Innovations & VA/VE etc.



ACMA Award is one of the most coveted Award in our country. In this journey we got valuable inputs from the experienced assessors; also we could benchmark our processes with the best in the class. It's also a huge moral-boost for the employees & a great learning experience. Wining this award itself is a great honour for the organization.



Low Cost Automation-1



Family Day Celebration



Low Cost Automation-2

Large Category



Maithilee Tambolkar
Managing Director



Rajiv Kulkarni
Technical Director



Silver Trophy

Sanjeev Auto-Parts Manufacturers Pvt. Ltd., Aurangabad



Sanjeev Group, one of the fastest growing Auto Component Manufacturers in India was established in 1988 by the renowned industrialist Mr. S D Tambolkar. Having State-of-the-art manufacturing facilities situated in Waluj, Aurangabad as well at Barcelona, Spain, Sanjeev Group is the host of technology and is offering wide range of products to its customers for 2-wheelers, 3-wheelers, 4-wheelers, Agricultural and Off Road vehicles. Our Vision is "To be a global leader in providing end to end solutions in Motion Control Applications".

Transmission Gears, Engine Gears, Timing Gears, Transmission shafts, Splined Shafts, Input & Output Shafts, Gear sub-assemblies, Kick Levers, Engine

Levers, Assemblies, Heat treated parts, Shifter forks & Precision Machined Parts.

John Deere, Bajaj Auto Ltd., ZF, TMA, Kirloskar Oil Engines Ltd., Kubota, Eaton, Mahindra, Endress+Hauser.

The ACMA initiative has helped us to improve our Share of Business by improving quality, productivity, wavelength, technology and cost competitiveness. With the implementation of the ACMA tools and techniques we are able to open doors for new customers like Ford, General Motors, Claas and SLPT.

ACMA has provided us great opportunities for team building by implementing Cross Functional Teams for projects and motivation by Total Employee Involvement in various ACMA related activities. Through the ACMA journey we are able to strengthen our Core Values Passion, Innovation, Transparency, Challenge and Honesty (PITCH).

Winning the ACMA award has taught us benchmarking ourselves with the global excellence in order to move towards the manufacturing excellence and has strengthened our feeling that at SANJEEV, "We Power Solutions". ACMA has helped us in increasing manufacturing efficiency, employee motivation, sustainable process approach and being more process, customer and employee engagement focused thus ultimately helping in the growth of the organization.



Robotic Cell



Green Initiative at Sanjeev



Shop Floor



Daily Morning Meeting

Large Category



Ramesh Saligrama
Vice President



Bronze Trophy
Bosch Limited, Bidadi

Bosch Limited, Bidadi, is a pioneer in Diesel System technology in India. Starting with our first offering of Inline pump, we have developed numerous cutting edge technology products to address the requirements of Indian automotive market. Various products from Bidadi Plant include 1. High pressure Common Rail Pumps (Electronically controlled) 2. High pressure Common Rail 3. Glow Plugs 4. Glow Control Unit **Common Rail Diesel Systems**

The Common Rail technology in India started with the manufacturing of Common Rail Multi cylinder pump in 2006 and has since included Single Cylinder Common Rail pump and Rail for the system. Our major customers include Maruti Suzuki, Mahindra & Mahindra, TATA, Fiat, General Motors and Hyundai. We are the "Preferred supplier" to most of these automotive manufacturers through our mutually beneficial relationships in product development, lean supply chain, quality improvement projects among others.

Inline with our commitment to provide best technology to Indian automotive market, we use leading edge technologies like swaging, single pass honing, robotic deburring and painting, vision systems, eco-friendly cleaning, intelligent auto screwing stations for high precision assembly etc. These are supported by a sophisticated measurement facility equipped in our standards room. Special infrastructural facilities required for maintaining stringent quality in manufacturing high pressure products like common rail pump are established.

Owing to our rigorous focus on meeting stakeholder expectations and internal learning's, we have developed many strengths, some of which are listed below.

- a. Capability to produce high quality futuristic products
- b. Customer orientation
- c. End to End Lean value chain through System CIP Approach



Overview of Products

- d. Focus on improving Industry 4.0
- e. Corporate Citizenship through CSR projects
- f. Motivated Employee involvement in improvement initiatives

We won ACMA Awards 2016 trophy in "Excellence in Manufacturing" as we have various organizational strengths as below:

1. Inspiring leadership
2. Systematic Strategy management process aligned to vision-mission
3. Lean implementation: System CIP (Continuous Improvement) approach, KPI tree (Key Performance Indicator),
4. Best in class manufacturing technologies to deliver high quality products
5. Customer orientation: Satisfaction survey, Pre and post sales service, pull projects,
6. High employee involvement: Lean implementation, Shop Floor CIP, Poka-Yoke, Suggestions
7. Best in class HSE management practices

ACMA award process has enabled us to understand the subtle gaps in our process and systems that helps us to improve maturity in manufacturing and overall organizational excellence.



Aligned Change Direction Through Vision-Mission



Lean Focus Through System CIP Approach



Leadership Commitment and Motivation

Large Category



Anil Aggarwal
Managing Director



Atul Aggarwal
Whole Time Director



Bronze Trophy
Sterling Tools Limited, DLF Plant

Sterling Tools Limited is one of the leading OEM suppliers for automotive fasteners dealing with High tensile cold forged fasteners. The Company was incorporated in 1979 and started commercial production from 1981. The initial public offer was made in 1995. The Company has three manufacturing facilities. The old one is at DLF industrial estate at Faridabad. The new plant is located at Prithla. The third plant which is a backward integration of wire processing is at Sector 25, Faridabad.



Our strength lies in relationship with our customers in terms of Quality service and delivery, our core values which we have sustained since STL's inception, our entrust on technology and our employees who are the pillars of organization.

We follow '360 degrees' philosophy which looks at all aspects of the company, from manufacturing and quality control to human resource development as a tool to produce total customer satisfaction. All around excellence for all around perfection...this is the promise of our '360 degree' approach.

"Perfection is not attainable but if we chase perfection, we can catch excellence".

We won ACMA Awards 2016 trophy in Excellence in

Manufacturing Category. The blend of our learning during association with ACMA and our expertise of over three decades in fasteners manufacturing have resulted to achieve this feat. Our manufacturing facility today includes state-of-the-art annealing, cold forging, inline rolling, heat treatment, finishing/coating, CNC turning, centre less grinding, circular thread rolling and other specialized processes like sealant coating, Copper plating and Zinc flake coating.

Our focus on Technology driven environment have helped us to improve the quality of our products and to satisfy the customer's requirements. It is our belief that our employees are the key resources and are equally important as finances, technology and customers and we continuously invest on their capabilities, satisfaction level and motivation. All these achievement over the years have made us an excellent Manufacturing Facilities among Indian competitors and bridged a strong relationship with our overseas customers.

Our journey with ACMA awards was a learning experience. The explicit and structured approach of awards brought out best in us and gave us a path to study and improve all of our manufacturing facilities for excellence. Future of growth of automotive industries in India is huge and ACMA is helping automotive component manufacturers for bringing potential for growth to cope up with future challenges.



Automatic Heat Treatment



Automatic Alkaline Zinc Plating Plant



State-of-art optical sorting & Packing



Forging Shop Floor

Small Category



Rajeev Gera
COO & Vice President



Gold Trophy
Chang Yun India Ltd., Gurgaon



Steel-Double Cone Synchronizer Rings with Carbon Coating



Brass-Double Cone-Inner Synchronizer Ring



Brass-All types Synchronizer Rings



Brass-Single Cone Synchronizer Ring

The company Produces single, double & triple cone Synchronizer Rings in both Brass & Steel. The company is also engaged in providing surface coating solution like Carbon coating. Primary customers of the company are; Maruti Suzuki India Ltd., Avtec Ltd., Ford India Pvt. Ltd., Mahindra & Mahindra and Tata Motors Ltd.

Chang Yun India Pvt. Ltd. is a State-of-the-Art plant with fully air conditioned environment at shopfloor as well. We follow "Operating Engineers Model" at shop floor as per which we need to have trained workforce of Operating Engineers with minimum Diploma Qualification for running our machines. We have 20% female workforce as a policy. While hiring employees we maintain good state mix. at shop floor i.e. not more

than 30% from one state for bringing new values to our company.

Through our unique HR practices we keep our employees happy and motivated & for measuring their smile index we participated in the Great Place To Work Survey in Jan, 2016 wherein also we scored 81% marks.

For annual goal setting of employees we organize LSIP Meet i.e Large Scale Interactive Process. Objective of this workshop is to finalize company objectives and derive KRA of all employees out of it. Apart from annual award function, COO special category awards are given to best performers here for inspiring them like Platinum Award, Gold Award, Silver Award, Best Department Award and Best HOD Award.

We groom our leader's right from the day they join us. Talent management is our core strength for which we have our own university – "Anand University" who develops employees at all levels for taking up higher responsibilities. We Sponsor our bright employees for higher education like full time B.Tech Prog. from Shoolini University Solan, Part time- MBA from MDI Gurgaon, MBA from Oxford etc.

We won ACMA Awards 2016 Gold trophy in Excellence in Human Resource (Small Category) as we have Unique HR practices and polices (some have been listed above).

Through the stringent and detailed initial application process, we have re-identified our own strength and best practices.



Small Category



Jayamurugan
CEO



Silver Trophy

Abhijeet Plastics(I) Pvt. Ltd., Pune

Abhijeet Group have altogether seven plants at different locations at Nasik, Pune, Kandivali-Mumbai, Dadra; Chennai, Sanand. We strongly believe in Vision, Mission and Values which cascaded to all the employees. At Pune, we have a manufacturing capability of Injection Moulding & Blow Moulding and Auto Assembly. Our major customers from our Pune plant are:



Products

Abhijeet group has various injection and blow molding machines. Also we have separate assembly line. Company basically believes in best shop floor practices and its benefit in long term. We have a daily practice of Daily Work Management (department wise and leader's DWM on daily basis). Blue collars are trained in dexterity school for various skill improvements. We have very well implemented First in First out (FIFO). Our employee satisfaction score is 4.27 out of 5. In Supplier Business Capability assessment conducted by M & M, we got 4.36 score out of 5.

We won ACMA Awards 2016 trophy in (HR EXCELLENCE) as we have linked our HR Strategy with Business Strategy in the areas of leadership development, goal alignment, skill development and shop floor management. This could be possible only because of engaged work force resulting in to complete customer satisfaction.

ACMA Awards Process is very clearly defined process which creates competitive environment in automotive industry. It gives platform to show our performance in automobile sector and rather we got great learnings from great experienced masters in all fields. Thanks for great knowledge!



Dining Facility



DWM



Dexterity School

Small Category



Kirti Rathod
CMD



Rohan Rathod
CEO



Bronze Trophy

Delux Bearing Pvt. Ltd, Wadhwan

Delux Bearings Pvt. Ltd is a leading manufacturer of Automotive Bearings in India. We supply Clutch, Transmission, Steering, Axle Bearings and Precision Parts to all major OEMs, Tier 1 customers. We have our footprint in the Auto Industry since 1956. We are a professionally managed company with 3 manufacturing units catering to global customers. We are committed to serve our customers through innovation, precision and quality in every endeavor and at every step.

Delux provides END to END solutions, from design to benchmarking. We are based in the heart of the automotive supplier belt which makes our supply chain extremely agile and flexible. We treat our suppliers as an extension of our organization – the benefit is continuous improvement with child part supplies. We have a vast after sales network – we understand the dynamics of the Indian after sales market and deploy measures to address customer needs.

Business orientation towards HR

During the year, CEO communicated company business goals to all Stakeholders. CEO & HR department conducted the following active programs to encourage employees to learn & improve performance for company development & self-development:

- 1) Conducting employee orientation
- 2) Identifying & implementing training development needs for employees
- 3) Conducting exit interviews

Communication

- 1) CEO discusses monthly operational performance.
- 2) Kaizen review meeting held every month



Delux Bearings-6451
[Passenger Cars] Nrupen M

- 3) Frequent discussions of best practices at customer site or after visiting model role companies.

Capability of 2nd line leadership

Developed 2nd line leadership through Performance Management System. 11 employees were recognized for their good performance & were promoted. Programs on leadership training conducted in plant.

HR initiatives during the year

- 1) Training given on core tools, supplier rating, soft skills, managerial skills, communication skills. 35 hours training per employee
- 2) Safety mock trials conducted during the year
- 3) Safety equipment provided

CSR

- 1) Planted 200 saplings
- 2) Implementation of reverse Osmosis for drinking water

ACMA award is a prestigious award. It is a platform to implement change management. Winning the ACMA award indicates that our company is progressing in the right direction & moving towards excellence.



Large Category



menon and menon limited

Ramesh Shankar Sabnis
COO



Gold Trophy

Menon and Menon Ltd., Kolhapur

Menon and Menon Limited is one of the leading engineering companies in India, manufacturing grey iron Cylinder Blocks and Cylinder Heads in as cast and machined condition.

It is India's first QS 9000 certified manufacturer of grey iron automotive components like cylinder blocks and cylinder heads. Its operations are certified by ISO 9001:2008 & ISO/ TS 16949 :2009 standards by UL DQS INC. Its facility, covering a built up area of over 9

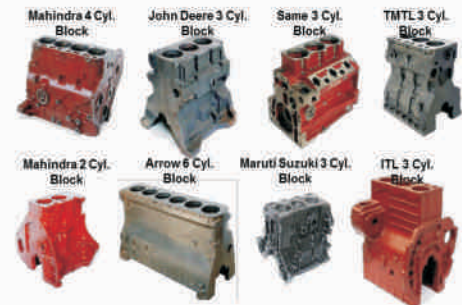
Acres, has a well-equipped foundry and machine shop facility.

We at Menon and Menon Ltd. strive to become the preferred supplier of cast / machined/ sub-assembled Cylinder Blocks and Heads required by the automotive, industrial engine and compressor across the world.

The Menon and Menon strategy is built on the strong foundation of Core Values, Best People practices and Process adherence. Which we believe are the guidelines within which we operate our manufacturing facilities with adoption of high technology and innovative ideas supported by high morale of employees.

The 4 pillars of our strategy are Strategic Business Planning, Managing Growth, People Practices and Execution Excellence encompass all the constituents that we believe integral to the very essence of our being.

Based in Kolhapur India, our operations are presently certified to the ISO/TS 16949 series of quality system standards.



Products

Our company is the only non-captive foundry in India, capable of casting and machining intricate automotive grey iron castings.

With over 6 decades of experience, we have won several awards for strong quality systems and business capabilities.

We are proud about our People, Processes, advance manufacturing facilities which are supported a lot to sustain in the current business challenges.

Common approach to continuous Improvements is the path of our success.

Continuously we are adding new customers at national and international platform as they appreciated our best practices in all direct and support functions within the organization.

ACMA Awards is a very rigorous process. It helped us to make as a practice to update our records, summaries the information, gather the supporting documents and photographs. This will also help us to share this compiled information with new entrants in the organization.



Foundry Kaizen Gallery



Bodhi Tree at outside training in company



Training Hall

Large Category



Manish Padharia
Managing Director



Silver Trophy
A Raymond Fasteners India Pvt Ltd, Pune

A Raymond India, a 100% subsidiary of ARaymond, France, entered India in 2007 and has grown many folds catering to automotive industry with state-of-art-manufacturing facility in Chakan, Pune. The products can be broadly classified into Clips, Connectors & Bonding Solutions. We are proud to be associated with all the major OEMs (Indian and Global) from 2 wheelers, cars and commercial vehicle segments and their tier suppliers.

A Raymond India is a full service provider right from concept, design, production and line support for OEMs and their tier suppliers. Global presence and AR network collaboration enable managing the global programs for OEMs. We use our global product and process expertise to offer innovative products for Indian OEMs.

In India we started with Injection molding facilities in 2008 and added fasteners & Quick connector assembly facilities immediately thereafter. Recently, we have inaugurated Metal fastener manufacturing plant in the ARaymond facility which marks the entrance of ARaymond India into the Metal Fasteners Market.

We won ACMA Awards 2016 Silver trophy in HR Large category. We would like to express our sincere gratitude towards ACMA for providing a platform wherein we could showcase our practices and also appreciating our efforts towards the journey of excellence. Last year we were acknowledged for our effort in the small category and this year we are appreciated in the large category, we attribute this successful journey to our strong belief in the principle of enabling to free the human potential within the organization. We still consider ourselves on the path of development and we consider this acknowledgment from ACMA as an introspective tool of our alignment with the long term goals that ARaymond has envisioned.



Fasteners

Quick Connectors

Bonded Products

At A Raymond, we strongly believe in developing a Value based culture. Currently venturing into large category companies, it's an evolving phase. We have our 5 year HR strategy aligned with the Business strategy. Under this plan, various Strategic tools relating to the Organizational Long term Objective are under implementation and improvisation. Grooming, Performance Management system, Employee Engagement processes, and Overall policy framework, as to build a culture of performance excellence is under progress. We were awarded LEED Gold certificate for constructing an eco-friendly manufacturing facility.

We would also like to impress upon the appreciation that we share for the ACMA Award process. Last year as we received Gold in small category and this year a Silver in Large category, It's a perspective change for us over the practices and processes within the company and also over the way we are assessed. This year, questionnaire shared covered every aspect relating to the manufacturing details from the HR perspective, which in itself was a great learning journey. The process conducted was very comprehensive and transparent. The assessors shared valuable inputs during assessment which also enlightened us in various aspects. The procedure helped us in providing us the scope in the procedures wherein we could improve more and strengthen the existing ones.

Overall being part of this award process was a great learning experience and we would like to Thank all for recognizing our efforts.



Large Category



Vinay Lakshman
Managing Director



Bronze Trophy
Rane Brake Lining Ltd, Trichy

Design, Manufacture and supply of Passenger Car disc pads, Linings, and Heavy commercial vehicle brake linings. Brakes India Pvt. Ltd., Foundation Brakes Manufacturing Ltd., Mando Automotive India Pvt. Ltd. RBL Trichy manufactures asbestos free passenger car disc pads and lining and heavy commercial brake linings. This plant is audited and approved by Maruti Suzuki, Honda and Toyota Motor Corporation of Japan. First Friction material company in the world won Deming Grand Prize award in 2013

Manufacturing facilities:-

- Entire manufacturing system linked with Information technology
- Machine critical parameters are validated in quality traceability system before start of production
- Poka yoke available for all critical process parameters and product characteristics
- High technology machines imported from Japan to achieve zero distortion of back plates and uniform scorching

Human Resource Development

- In line with Japanese philosophy of "MONOZUKURI WA HITOZUKURI", as a TQM practicing company, RBL believes that people development is the key for success of the organization.
- The skill evaluation and up gradation is done for operators. There are totally 7 generic skill (like 5S, Quality systems, Kaizen) and 49-60 functional skills across the organization.
- Trainee operators are covered under a comprehensive 15 days classroom training program called 'GURUKUL'
- After the classroom training, they undergo a three day induction program and subsequently they study the standard operating procedure for a period of three days and take a test.
- Every day before the commencement of the work, Morning Market Meeting is conducted with Safety and TQM Pledge, Thirukkural and followed up warm up exercise.
- DRM meetings are conducted in all departments. In the DRM meetings discussions are held on the previous day's plan vs actual and plan for the day is also shared with all executives and operators. Necessary corrective action taken for the

- gaps.
- 100% Total employee involvement in suggestion & QC circle.
- Highest Employee Opinion Score among the Rane group companies
- GPTW (Great place to work) score 88%. Higher than India top 50 companies average.
- Representatives of HR department visit the operator's home and interact with their family members. This visit establishes a trust among employees. Similarly family members are also allowed to visit the factory to see the work environment.
- All Employees are encouraged to participate in sports and games activities like volleyball, cricket, badminton etc. Internal competitions have also been conducted. The teams are also encouraged to participate in external competitions.
- Family members are also encouraged and given opportunity to participate in Corporate Social Responsibility activities along with the employees. This creates a sense of belongingness amongst the family members.

We won ACMA Awards Trophy as we have:

- Clear vision, Mission, strategy and strategic initiatives. Ensured policy deployment up to cell leader level.
- World class Manufacturing facilities
- TQM way of work
- Lean Manufacturing frame work
- Good 5S system (won 5S gold award two times)
- High level of motivation and high level of employee satisfaction
- 100% participation
- Won customer award from Brakes India for quality and new product in 2014 & 2015.
- Won Gold award and gold certificate from IMEA in 2013 & 2014
- Won energy award from CII in 2015
- Won ACMA gold award from Quality and Innovation category

ACMA Awards helped us to focus on the following areas

- TEI System
- Safety Focus
- Expressive communication Management
- DOJO Training Centre



Daily Morning Meeting



Family Visit



Finishing layout



Global Kaizen award

Special Category



P V Raju
CEO, YWTI



Gold Trophy
Yazaki India Pvt Ltd., Chennai

Yazaki Corporation is the world's largest Wiring Harness Company and 1 of 3 vehicles worldwide has Yazaki Wire Harness, 1 of 2 vehicles worldwide has a Yazaki Component and 1 of 8 vehicles worldwide has a Yazaki Junction Box, Meter Display or Electronic Switch. Yazaki has completed 75 years of Global presence in 43 countries and over 160 facilities with 250,000 + employees globally.

Since our first overseas production site was established in Thailand in 1962, our global development and manufacturing network has continued to grow, along with our relationship of mutual trust with car manufacturers around the world. With our corporate policy of "A Corporation in Step with the World and A Corporation Needed by Society", we are committed to be environment-friendly in every aspect of our business. Yazaki Corporation is dedicated to caring for the environment, making a contribution to society and inspiring trust to all our stakeholders. We have been awarded 10th place among Global OEM parts suppliers.

Yazaki in Chennai was established on 15th Nov 1999 and now operating with 3 plants in Maraimalai Nagar to fulfill customer need. We have started supply to Ford businesses and our effort made us to acquire business with Daimler in 2009 and subsequently with ISUZU. We had accolade for Quality Accreditation Certificate TS 16949 on 20th Sep 2009. We won Ford Q1 Award for standing on the quality requisites and achieved "0" PPM for our supply to Ford.

We are proud to say ZERO Accident work environment and a safe place to work. We value the human relationship and take at most care in providing a good ambiance, environment and healthy work place to all our employees. Our training system is one of the best in this industry with a well-structured and systematic process helps us to meeting 100% customer satisfaction. Most of the employees have completed only schooling (10th Std or +2) and they are provided with 30 to

45 days of structured training and every stage with assessment and qualification parameters.

We feel proud to state that we are employee centric organization providing welfare facilities, benefits and continuously improve standards. Our well established rewarding system for performance for production, Quality and MOTO targets are very attractive, encouraging and motivating employees to excel in their performance to reach higher efficiency levels. HR help desks operate in the Shop floor at all time to address employees' issues, grievances with a quick response and aim at employees' satisfaction. We are with more than 1750 employees (around 75% of female workforce) working for Yazaki in these 3 plants located at Maraimalai Nagar, Chennai.



Products

YAZAKI is proud to be a socially conscious organisation by involving its employees in implementing CSR activities supporting NGOs in providing education and Swachh Bharath. We are one among few organisations creating more employment opportunity to women workforce nearby villages and providing them a secured work environment.

ACMA award is really testimonial for our HR initiatives and the process we adopt in establishing healthy workplace. The process has also helped us in benchmarking, introspecting ourselves and validating the improvement areas. Winning this award definitely motivates our entire human forces in the organization and stimulates our thinking for a better performance.



Yazaki Rewards for Best Performance



Yazaki Rewards for performance



Yazaki family get together



Swachh Bharath

Special Category



Manoj Kolhatkar
Managing Director



Sumit Bhatnagar
COO Passenger Cars



Silver Trophy

Gabriel India Limited, Parwanoo

Gabriel is the flagship company of Anand Automotive Private Limited. Gabriel is in the Business of making Shocks Absorbers from 1951. The first plant started & continues till today holding its flag height with 6 plants & 3 Satellite divisions across India. Gabriel Parwanoo was the youngest plant inaugurated in 2007 in the laps of beautiful mountains & started commercial operations with a two wheeler Front Fork & Rear Shock Absorber line. Gabriel Parwanoo plant has grown today to supply to a diversified customers of 2W/ Light commercial. Supplies extensively to After Market through Gabriel brand & others.

TVS Motors, HP is the Major Customer & TATA Motors in Pantnagar, M&M in Haridwar are other Customers of Gabriel.

Gabriel is pioneer in Shock Absorber Manufacturing with 3 R&D centers in India. Being a flagship company of Anand Automotive Private Limited, we follow Tenets of ANAND Way as our guiding principle.

We have adopted a Unique "OE Model" by this we employ only Diploma Engineers for our shop floor & create a knowledge workforce.

At Gabriel Parwanoo we encourage Women & 55% of our shop floor is having women engineers.

We encourage Continues Learning opportunities, Career Development & every year our plant sponsors 2~3 employee for higher education.



Two Wheeler Suspension - Rear



Two Wheeler Suspension - Front



Four Wheeler Suspension - Front & Rear

Gabriel Parwanoo has the distinction of having a "Smiling Faces" of all the plants. Employees here are motivated to "Try everything with Smile" & not to be afraid of failure. At Gabriel Parwanoo we believe in team work & have fun. Sports is a religion here & we have four internal clubs comprising different Departments /Functions, playing & Coaching younger ones. We believe this has helped us in creating young Managers/ Leaders to connect to people & team work.

We won ACMA Awards 2015 trophy in HR Excellence-Special as we have Smiling Face, Trust, and Belief in each other. Along with all this we have Open Communication, freedom to have any experiments, Safety Concern. We have excellent Manufacturing Facilities, Talented people, Customer satisfaction, Innovations etc.

ACMA Award is really helpful for our company.



One Team One Dream



Engineers Day



Smiley Faces

Special Category



Ramesh Gehaney
Executive Director



Bonze Trophy

Endurance Technologies Ltd.- Transmission Div., Aurangabad



2 & 3-W Clutches

CVT Clutch

Casting & Friction Plates

ETL-Transmission Division (Waluj), is a leading company of the Endurance group .We are manufacturer of Clutch Assemblies ,CVT` Clutches, Friction Plates & Castings for all Major 2 & 3- wheeler OEM`s. Our major Customer base is Bajaj, Piaggio, Honda ,Mahindra -2W ,Mahindra-3W & Royal Enfield. Our plant is certified with ISO/TS-16949,EMS OHSAS & also Awarded by JIPM for TPM Excellence Category -A Award.

We have facilities for High Pressure Die Casting, CNC Machining, Thermosetting, Grinding, Plasma Welding, Soft Nitriding & Assembly. Also having separate R&D center for Clutch Division with latest software & state-of-art testing facilities. We are practicing 5-S, Kaizen, Poka-Yoke & Eight pillar JIPM TPM methodology to

improve productivity, Customer Satisfaction & safe working environment through total people involvement. We have developed In-house Technical Training Centre to upgrade Knowledge & skill of production & maintenance persons. We have company wise "Prasansha Award "at corporate level to motivate employee`s for implementation of best Kaizens / Process improvements.

We won ACMA Awards 2016 trophy in Excellence in HR as we have upgraded excellent Manufacturing Facilities with Automation and all Assembly lines have been developed with Poka-Yokes. Graduates & Post Graduates Engineers from Premier Institutes like, IIT`s & well experienced Engineers are working in R&D & M.E. functions. SAP system is being used to control & monitor all the functions & systems in plant. We have PLM system for monitoring the New Product Development Cycle. Kanban Trolleys are used for systematic material handling through FIFO concept. The above Excellence has proven us for achieving prestigious Bajaj Quality Platinum Award & TPM Excellence Award.

ACMA Award process is a very systematic approach with valuable guidance for self development & improvements in plant. We could get benefit for the process improvements, Poka-yokes, material handling systems & Inventory management.



Clean & Neat Shop floor & Gangway



Process Training Centre with M/c Model



Technical Training Centre



Green & Clean Surrounding Area

Special Category



Nagaraju Srirama
President & Director

Bronze Trophy

J.K. Fenner (India) Limited, Madurai

J K Fenner (India) Limited, is a group company of J K Conglomerate which is a leading industrial group in India. We are engaged in the manufacture of Power Transmission Belts and Hoses for Automobile and Industrial application. We are one of the oldest industries in Madurai and are providing employment to nearly 1000 families.

The first Manufacturing Plant is started at Madurai in 1955. We have 7 Manufacturing Plants situated at 5 locations, i.e, Madurai, Chennai, Hyderabad, Karur and Salem.

The product lines cover V-Belts, Oil Seals, Moulded Rubber Components and Engineering Products for applications in both Industrial and Automotive mechanical power transmissions. Today J.K. Fenner truly offers a Total Solution to Mechanical Power Transmission and Sealing requirements in a single window basis.

J.K. Fenner is sustaining market leadership in Auto Transmission Belts for over 60 years. We are exporting our products to the Continents across the world for over five decades.

Few of our customers include Ashok Leyland, Bajaj Auto, Bosch, Eicher, General Motors, Hero Motor Corp., IFB, John Deere, Maruti Suzuki, Swaraj Mazda, TAFE, TVS Motor Company, Visteon & so on.

The Company has its R&D Unit at Madurai for V-Belt manufacturing and in Chennai for Oil Seal Manufacturing. 10 percent of the turnover is spent for technology and process up gradation and R&D.

The Madurai Unit has an integrated testing facility both for incoming raw material and finished products. The Company has endurance testing facility for belts and the simulation packages to be followed during the design stage.

Supervisory Control and Data Acquisition (SCADA) system is installed to monitor all parameters, take necessary corrective action and save energy.

To ensure cleanliness, the plant has inducted automation process to handle raw materials like carbon black and oil.

Safety is the major focus for the plant. Meeting on safety is conducted on daily basis. Every meeting, irrespective of the



Industrial V-Belts

Fenner V-Belts are backed by world renowned technology and enjoy brand leadership in India.

Typical Brands in India :

- 'Poly - F / PB' Classical and Wedge Belts
- 'Powerflex' Raw - edge Cogged Belts
- 'Ecodrive' Classical Belts

participants, the safety aspect of the manufacturing is the first discussion point.

Employee Involvement activities like Kaizen (A practice of continuous improvement) and Poka-Yoke (Error proofing) are handled by the staff and the suggestions come from the workforce. More than 90% of the employees are involved in the Kaizen activities every year. November month of every year is celebrated as "Quality Month" wherein many quality related competitions like quality quiz, debate, suggestions, etc. are conducted among the employees and winners are suitably awarded.

The Organisation has a strong belief that the employees are its real assets. Many developmental activities are being taken care by the organisation in the professional as well as in the personal front of the employees. Employee development activities like Training and development, career development, skill enhancement and sponsoring for self development courses, etc. are being carried out by the organisation.

The Organisation is customer focused and works towards satisfying the customers consistently.

The ACMA award process helped J.K. Fenner to bring the best out of our existing processes and to plan for future development. The assessment process and the findings of the assessment provided us an opportunity to know where we are, and what is required to be done for further improvement to sustain as one among the best industry in the automotive sector.

The facilitation by the ACMA coordinators during the assessment educated us how to prepare ourselves to come out successfully in any Audit.



K4 Intermixer



Automotive Test Rig



State Of The Art –
Hose Manufacturing Plant



Data Center

11th National Quality Circle Competition

The 11th National Quality Circle Competition was successfully organized on 5th August 2016, at Hotel Mapple Emerald in New Delhi in which regional winners contested for the 1, 2 & 3 national positions. An eminent Jury adjudged the presentations made by the regional winners. Total 181 teams competed.

The Jury of 11th National QC Completion comprised of:

- Mr. Dinesh Hemchandra Joshi - AGM QA – Complete Vehicle Analysis - Volkswagen India
- Mr. T R Narasimhan – Chairman South, OCFI
- Mr. Bijender Kaushik - AGM – Manufacturing Group - India Yamaha Motors Pvt. Ltd. (Wholly Owned Subsidiary Yamaha Motor Corporation Japan)

Winners of 11th National Quality Circle Competition are: National Winner for Year 2015-16

“Lightning Storm” Quality Circle Team from Delphi- TVS Diesel Systems Ltd. Mannur

The company manufactures Diesel Pump, Injector, Filter and ECU Products.

Project selected by the QC Team was

“Elimination of Window cap seating area leak rejection”

The team has systematically followed QC Tools & Techniques to solve the problem

Various counter-measures implemented, have resulted in following:

- Achieved Zero rejection from 1.71 % of rejection before target set date.
- Total saving per year from this project is Rs. 4,20,000



- K. Raju, Team Leader • K. Kannan, Member
- T. Naresh Kumar, Member • P. Jayakumaran, Member
- V. Saravanan, Member • S. Ganesan, Facilitator
- R.K. Nandha Kishore, Coordinator •

“Prerna” Quality Circle Team from Motherson-Sumi Systems Ltd., Noida

1st Runner Up

The company manufactures Main Wiring Harness, Instrumental Panel Wiring Harness, Lead Wires, Floor Wiring Harness and Engine Wiring Harness

The problem selected by the QC team was to “To Reduce low core in seal”

Efforts of the team resulted in:

- Team developed new problem solving skills
- High morale boost in team
- Net Savings per annum is Rs. 47,532



- Savitri, Team Leader • Priya, Member
- A. Janifar, Member • Deepmala, Member
- Atul Ghawana, Facilitator • Sanjay, Coordinator

11th National Quality Circle Competition

“Sunrise” Quality Circle Team from Avtec Ltd. Pithampur

2nd Runner Up

The company's product line-up includes Sleeves and Shaft, Syncro Pack, Extension Shaft, Engine Gears, Sliding Clutch for LCV's & HCV's, Neptune Project Planetary Gears, Front Output Shaft and Transmission Components.

The problem selected by the QC team was to “Eliminate cutter breakage & no rejection of component due to cutter chip off / breakage”.

Following are the benefits that the team has achieved the following:

- Productivity resulting in customer satisfaction
- Cost Saving of per year Rs. 6,24,240



- Sudhir Bhatia, Operator
- Lalit Tiwari, Operator
- B K Gaur, Operator
- Subhash Solanki, Operator
- Sanjay Panchal, Operator
- Saurabh Kharya, Coordinator

To recognize the outstanding contribution of the associates, the QC Circle Team, which won the First position in the National QC Competition is invited to the ACMA Annual Session for receiving the Trophy from the Chief Guest.

11th National Quality Circle Competition, New Delhi



Regional Award Winners

Northern Region

1 st Position	“Prerna”	Motherson-Sumi Systems Ltd., Noida
2 nd Position	“Achievers”	Jay Bharat Maruti Ltd., Gurgaon
3 rd Position	“Racer”	Minda Industries Ltd., Bawal

Western Region

1 st Position	“Achiever”	Brose India Automotive Systems Pvt. Ltd. Pune
2 nd Position	“Sunrise”	Avtec Ltd., Pithampur
3 rd Position	“Bharari”	Badve Engineering Ltd. U-II (Silencer div) Aurangabad

Southern Region

1 st Position	“Lightning Storm”	Delphi-TVS Diesel Systems Ltd., Mannur
2 nd Position	“REVL Classic”	Rane Engine Valve Ltd., Trichy
3 rd Position	“Chiguru”	Rane (Madras) Ltd., Mysore Plant

INSTITUTE FOR AUTOPARTS & HAND TOOLS TECHNOLOGY



(UNDP/UNIDO ASSISTED PB. GOVT. PROJECT)
A-9, PHASE – V, FOCAL POINT, LUDHIANA-141010

AN ISO 9001 : 2008 CERTIFIED INSTITUTION



Institute for Autoparts & Hand Tools Technology is a Punjab Government Project assisted by UNDP/UNIDO. The Institute is primarily assisting Small Scale Automotive Component & Hand Tools manufacturers to upgrade their Technology base and Quality of their products in the changing economic and technological environment.

FACILITIES AVAILABLE WITH THE INSTITUTE

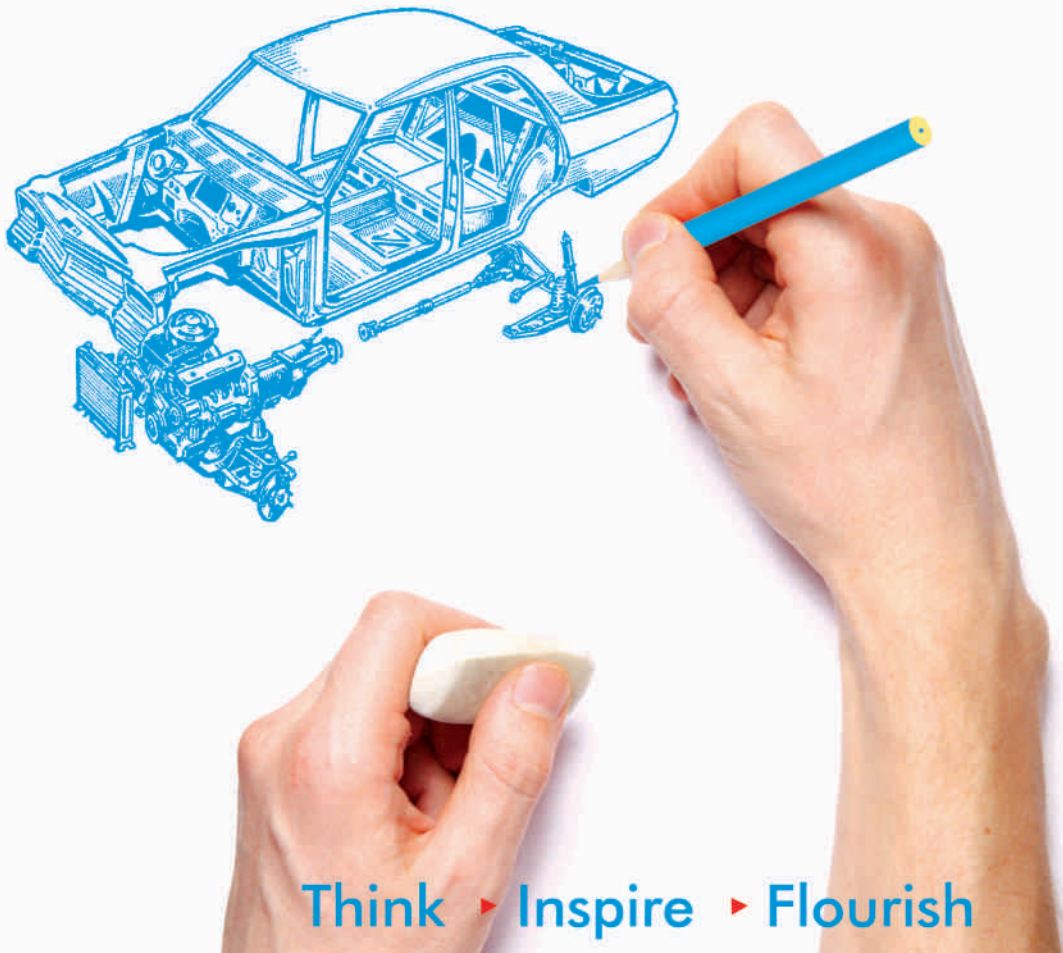
- NABL approved Chemical, Mechanical & Calibration Labs.
- Non Destructive Evaluation in the area of UT, MPT, DPT, Eddy Current, Phased Array UT and AERB / BARC approved Radiography Institution.
- BIS approved National Level Hand Tools Testing Lab. equipped with CNC Torque Testing equipment up to 5000 NM.
- 3D White Light Scanner & 3D CMM with 3D Rapid Prototyping ABS & Ceramic base for Reverse engineering.
- Heat treatment of metals by using Vacuum Heat Treatment Furnace, Continuous Bright Hardening Plant, Gas Carburizing Furnaces & Cryogenic Processor etc.
- Precision Engineering Department in the area of manufacturing precise press tools, gauges, fixtures, moulds and critical 3D machining using tool paths generated by Advance CAD/CAM Technology.
- State of the Art Cold former for the Thin walled Socket Wrenches, bush and flange nut components.
- Short term training courses on Precision Machining technology, Design & Development Software, Reverse Engineering Applications, Heat Treatment of Metals & Alloys, Non-destructive Testing and Engineering Measurement & Calibration.

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UNO MINDA GROUP

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Announcement of 3rd ACT Case Study Competition 15th & 16th November, 2016, Pune

The tremendous response for 1st & 2nd Competition, has encouraged ACMA to announce the 3rd ACT Competition in Pune.

These competitions provide a platform to the participants for direct learning as live case study presentations are shared by various competing companies from nationwide. These competitions also provide much needed exposure to the employees and motivate them to deliver the best to their organization. Gold winner will get free entry to present the case study at 2nd ACT Summit scheduled on 18th & 19th January 2017 at Pune. Companies can submit unlimited number of case studies in all streams latest by 20th September, 2016. There is no fee for submitting case studies. Shortlisted case studies teams will participate in final competition scheduled on 15th & 16th November, 2016 in Pune.

Streams: 3rd ACT Case Study Competition

Note for Stream topics: Case studies should have linkage for stream topics, however, examples shown like zero defect, zero rework are representative and you may choose similar / nearer topic for selection of case study area in any stream.

(Group Category A)

Improvement in Productivity : Increase in production output per person per day / shift/day

Improvement in Quality : It should result in Customer (Internal/External) delight.

Cost reduction : Reduction in cost & increase in profit

Safety & Environment : It should result in improving mother earth / nature delight & employees. Accident elimination, converting Unsafe to safe conditions / Reduction or Elimination in risk, injury or loss to personnel &/or property.

(Group Category B)

Zero Defect Quality : It should result in killing defects (At Final stage / In-process / Incoming).

Zero Effect Activities : It should result in reduction / elimination of effect on environment

IoT- Internet of Things : It should result in wireless networks between objects / systems / Elimination of manual interventions / adaptive controls.

Innovation/Automation : It should result in embracing new ways and elimination of manual efforts / time reduction / cost reduction / fatigue reduction and improving resources substantially.

Streams of 3rd ACT Case Study Competition for Group Category A - November 2016				
Streams	Stream 1:	Stream 2:	Stream 3:	Stream 4:
	Improvement in Productivity	Improvement in Quality	Cost Reduction	Safety & Environment
Topics	Productivity improvement	Reduction/ Elimination of Defects	Waste elimination / reduction	Increase in Accident Free days
	Manpower optimization	Reduction / Elimination in Rework	WIP reduction	Reduction in Effect (Zero Discharge)
	Per person per day productivity increase	Reduction / Elimination in Customer Complaints	Reduction in machine breakdown	Reduction / Elimination of Accidents
	Reduction in cycle time	Reduction in Customer returns	Increase in Inventory Turn Ratio	Conservation of Resources
	Improvements in layouts for material travel reduction	Reduction / Elimination in Rejection/ scrap	Energy Savings	Use of renewable Energy
	Multi-machine concept	Reduction / Elimination in Warranty Rejection	Saving through Kaizens / Suggestions / QCC and similar	Carbon Foot Print reduction
	Changeover time reduction	Reduction in Incoming Quality Rejection	Cost saving through LCA	Paper elimination
	OEE Improvement	Reduction in Handling Damages	Yield improvement	Wood elimination
	Automation	Reduction in Mis Shipments		Use of environment friendly materials
		CPK Improvement		Recycle / Reuse
		COPI Improvement		Waste Management
				Water Saving
				Oil saving

Streams of 3rd ACT Case Study Competition for Group Category B - November 2016				
Streams	Stream 1:	Stream 2:	Stream 3:	Stream 4:
	Zero Defect Quality	Zero Effect Activities	IoT - Internet of Things	Innovation / Automation
Topics	Zero Defect	Zero Effect / Zero Discharge	RFID / Passive RFID	Inspection & Gauging
	Zero Rework	Conservation of Resources	Sensors	Tooling
	Zero Customer Complaints	Energy Saving	Barcodes	Fixture
	Zero Customer returns	Carbon Foot Print reduction	DNS	New Process Technology
	Zero Rejection/ scrap	Oil elimination	Wi-Fi	New Product Technology
	Zero Warranty Rejection	Paper elimination	Mobile Computing	Process Automation
	Zero Incoming Quality Rejection	Wood elimination	GPS tracking	Product Light Weighting
	Zero Process Quality Rejection	Material Yield improvement	Security sensors	Material Yield
	Zero Handling Damages	100% Recycle / Reuse	Condition sensors	Auto Material Handling
	RFT (Right at First Time)	Waste Management	Near Field Communication (NFC)	AGV-Automated guided vehicle
	Reduction in DPMO (Defects per million opportunities)	Water Saving	Grid Sensors	Pick to Light systems
			Mesh Networks	RGV- Robotic guided vehicle
			Telematics	Mechatronics
			CDMA / GPRS / 4G	Automatic assembly station/line
			Auto loading / unloading	

Further, various sponsorship options have been worked out for the companies to promote their brand. In addition to participation in Case Study Competition, you may like to nominate your officials to participate as delegates. Nominal fee is being charged for delegate participation. Delegate registration would open after 20th September, 2016.

In case of any query, please feel free to contact:

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& Mechanical Security Systems
 Duplicating Machines
 & Sub-Systems
 uch Techn
 & Junction Box Electronic & Mechanical Security Systems
 Keys Key Duplicating Machines



We make them safer



Security Systems
 Surface Finishing
 Under Body Systems
 Composites
 Door
 Electronic & Mechanical Security Systems
 Die Casting
 Surface Finishing
 Under Body System
 Structural Modules

We make them faster

Electronical Security Systems
 g Machines
 Systems
 ology
 Box Electronic & Mechanical Security Systems
 y Duplicating Machines



We make them better



Security Systems
 Surface Finishing
 Window Regulators
 Instrument
 Door
 Handles Latches
 Connectors & Terminals
 Wire
 Die Casting
 Surface Finishing
 Under Body System
 Structural Modules

We don't make great automobiles.
 We make 'automobiles' great!

PRODUCTS

• Safety, Security & Restraint System

Electronic & Mechanical Security Systems, E- Bike Controllers, Immobilizers, Latches, Striker, Door Handles, Electronic Body Controllers, Start Systems, Power Closure Systems, Fuel Lid Actuator, RC DL, ESCL, PEPS, Hood, Tail Gate, Seat Latch, Hinges, LED Soft Touch, Camera Modules, Keys & Key Duplicating Machines & Die Casting

• Driver Information & Telematics System

Instrument Cluster, Dashboard Assemblies, Digital Clocks, Tank Units & Gauges, Chime Bells & Relays, Speed Sensors, Temperature Sensors, Position Sensors, Pressure Sensors, WIF Sensors, Wiring Harness, Coupler & Terminals, Relay & Junction Box, Steering Roll Connector

• Interior System

Injection Molding, 2K Molding Process: Kinematic Component & Premium Surfaces, Garnish & Trims, Dashboard, Consoles, Parcel Shelf, Air Vent, Air Duct, Ash Tray, Arm Rests, Cup Holder, Glove Box, 5th Door Application, Truck Oil Housing, Cylinder Head Covers, Rear Sheet Structure, Coupling, Transmission, Coolant Tanks, Interior Steering, Tool Production

• Aftermarket

All Group Products under Safety, Security & Restraint Systems, Driver Information & Telematics Systems, Interior Systems
Four Wheelers: Gear Shift Locks, Wiper Blades, Auto Rollup Relays, Filters (Tractors), Starter Motors & Alternators (Tractors)
Two Wheelers: Wheel Locks, Helmet Locks, Control Cables, CDI, Regulators, Rectifiers, Ignition Coil, Igniters, Relays, Filters

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