

Diamond like
Small but solid corporate



DIAMOND R.TECH CO., LTD

DC-POL a rubber compound of new concept
DC-CHEM rubber chemicals, accelerator master batch
NANOSITE nanocomposite **Green** new materials master
batch and raw materials.

Global green technology
leading company



The Best Rubber Products Manufacturer Diamond R. Tech

Trust with Clients,
Constant New Thinking,
The Utmost Efforts

Clients

Satisfying Clients

Inner Process

Innovative Culture

Performance
Indicator

Creating
Management Outcome

Technical
Development

Intensifying
Core Ability



A corporation more solid than a diamond in unlimited competition of the 21st century, this is the enterprise spirit dreamed of by the Diamond family. Since it was founded in 1990, Diamond R.Tech Co., Ltd. has grown to a leading manufacturer of rubber and compound chemical (reinforcing agent filler, softener) based on trust and technological power as firm as a diamond. We have built a business system respecting human beings, environment friendly clean workplace and high tech manufacturing process, and is competing through small lot multi product manufacturing by aligning advanced technology to customer's needs. Diamond R.Tech Co., Ltd. will serve your demands for rubber materials and rubber chemicals of automobile industry, medicine uses etc.

- Client-Centered Management
- Ethical Management

- Faithful to the basics
- Development & improvement of the organization

- Reasonable Performance Indicator
- Business management focused on outcome

- Training for maximizing employees' ability
- Intensifying R&D

**2020
Global Green
New Materials
Company**

Greetings



Diamond R. Tech Co., Ltd. is giving the top priority to entrepreneurship respecting human beings, environment friendly clean workplace and customer satisfaction through high tech system and outstanding technological power.

Until now we have grown as a leading manufacturer of rubber and compound chemicals (reinforcing agent, filler, softener) based on trust and technological power. Based on our technologies accumulated, we have build CMB (Carbon Master Batch) manufacturing facility and producing rubber materials for automotive, industrial and medical uses etc. CMB is unvulcanized rubber necessary to make desired rubber products by putting rubber called CMB and compound chemicals (reinforcement, filler, oil) into the mixer and mixing them physically.

We promise to do our best to ease customers' cost, environmental problem and facility investment by supplying processed CMB stably and promptly as well as to supply high quality CMB, rubber and compound products.

Now your need for rubber products will be served by Diamond R. Tech Co., Ltd.

Thank you very much.

Joe, Deug Hwan

President of Diamond R. Tech Co., Ltd.

HISTORY

- 1990.03 Founded Diamond Chemicals Co.
- 1993.02 Founded Diamond Chemicals Co., Ltd.
- 1998.01 Started Rubber CMB Manufacturing
- 2000.03 Built a factory in Sung-Seo and moved to the present location
- 2000.08 Established the facilities for Rubber CMB production
- 2001.12 Appointed by the Military Manpower Administration
- 2002.02 Obtained the certification of the QS 9000/ISO 9001
- 2002.03 Received an award for the excellence in the technological innovation by Daegu/Kyungbuk Regional Small & Medium Business Administration
- 2002.04 Selected as an excellent CLEAN company (Ministry of Employment and Labor & Korea Occupational Safety and Health Agency)
- 2002.05 **Obtained the SQ-MARK certification from Hyundai-Kia Motors**
- 2002.09 Selected as a promising enterprise by Daegu Bank
- 2003.07 Received an award for the Quality Management Contribution
- 2003.09 Established more facilities for Rubber CMB production
- 2004.03 Obtained the certification of the ISO 9001:2000
- 2004.07 Obtained the approval for the enterprise laboratory (Korea Industrial Technology Association)
- 2004.12 Constructed the POP(Point Of Production) System
- 2005.12 Received an award in the 31st Korea Quality Management competition (CEO Joe Deug Hwan)
- 2006.05 Obtained the certification of the ISO/TS 16949 Quality Management System (Korean Standards Association)
- 2006.07 Obtained the certification of the parts specialized company (Ministry of Knowledge Economy)
- 2006.10 Obtained the certification of the INNO-BIZ (the business of technological innovation) (Small and Medium Business Administration)
- 2006.11 Obtained the certification of the ECOPROFIT and made an agreement for the Cleaner Production Support business (Daegu city and Ministry of Commerce)
- 2006.11 Participated in the R&D for the leading industrial technology at Daegu Techno park (Ministry of Commerce)
- 2007.10 MOU for the participation in the middle products business (Daegu/Kyungbuk Regional Small & Medium Business Administration, Small & medium Business Corporation)
- 2007.11 Received the prime minister citation in the 33rd Korea Quality Management competition (vice-president Lee Jong Man)
- 2008.01 **Changed the company name from Diamond Chemicals to Diamond R.Tech**
- 2008.06 Agreement for the middle products business (Small & Medium Business Administration)
- 2008.06 Agreement for the business of technological innovation and development (Small and Medium Business Administration)
- 2008.07 Selected as a promising enterprise by Kukmin Bank
- 2009.04 Agreement for the business of opening technology in the regional industry at Daegu Techno park (Ministry of Knowledge Economy)
- 2010.09 **Obtained the certification of the MAIN-BIZ (Management Innovation Business)**
- 2011.06 **Selected as a cooperative company for the compound rubber by Hyundai-Kia Motors**
- 2011.10 Constructed the ERP(Enterprise Resource Planning) System
- 2011.12 **Received the president prize for the sixth consecutive year for the business site improvement in the national QCC(Quality Control Circle) competition**
- 2012.03 Received an Inno-Biz special award (Daegu/Kyungbuk Military Manpower Administration)
- 2012.11 Awarded the citation from the Minister of Knowledge and Economy for Development of Material Components Technologies (CEO Joe Deug Hwan)
- 2013.03 Awarded the citation from the Mayor of Daegu for Innobiz Management Innovation and Technical Development (CEO Joe Deug Hwan)
- 2013.06 Obtained the reliability certificate for the parts and materials (Korea Testing & Research Institute)
- 2013.10 Built the second factory in Dalsung-gun, Daegu



Improved shape and function

Technical Development

2002. 03	Received an award for the excellence in the technological innovation by Daegu/Kyungbuk Regional Small & Medium Business Administration
2004. 07	Established the enterprise laboratory (Korea Industrial Technology Association)
2006. 07	Obtained approval for the parts specialized company (Ministry of Commerce)
2006. 10	Obtained the certification of the INNO-BIZ (the business of technological innovation) (Small and Medium Business Administration)
2010. 09	Obtained the certification of the MAIN-BIZ (Management Innovation Business)
2013. 06	Obtained the reliability certificate for the parts and materials (Korea Testing & Research Institute)
2017. 11	Obtained the reliability certificate for the parts and materials (Ministry of Trade, Industry and Energy)

Main Award

2003. 07	Given a commendation by the Minister of Trade, Industry, and Energy at the Quality Management Service (Ministry of Commerce)
2005. 12	Awarded the Tin Tower Order of Industrial Service Merit at the 31th National Quality Management Convention (CEO Joe Deug Hwan)
2006. 11	Awarded the President's award silver prize of quality circle at the 32th National Quality Management Convention (Quality Control Circle)
2007. 11	Awarded the President's award bronze prize of quality circle at the 33th National Quality Management Convention
2007. 11	Given a commendation by the Prime Minister at the 33th National Quality Management Convention (vice-president Lee Jong Man)
2008. 11	Awarded the President's award gold prize of quality circle at the 34th National Quality Management Convention
2009. 11	Awarded the President's award gold prize of quality circle at the 35th National Quality Management Convention
2010. 11	Awarded the President's award bronze prize of quality circle at the 36th National Quality Management Convention
2011. 12	Awarded the President's award silver prize of quality circle at the 37th National Quality Management Convention
2012. 03	Awarded the Innobiz special award by a director of the Daegu Kyungbuk Regional Military Manpower Administration (Daegu/Kyungbuk Military Manpower Administration)
2012. 11	Awarded the citation from the Minister of Knowledge and Economy for Development of Material Components Technologies (CEO Joe Deug Hwan)
2013. 03	Awarded the citation from the Mayor of Daegu for Innobiz Management Innovation and Technical Development (CEO Joe Deug Hwan)
2016. 09	Awarded a presidential citation of The 17th Innovative Technology Show 2016
2019. 02	Awarded the management innovation and technical development

Developing products for the future

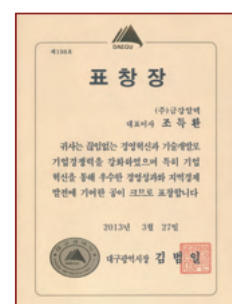
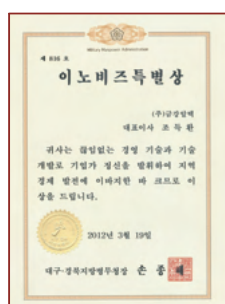
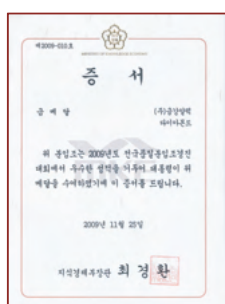
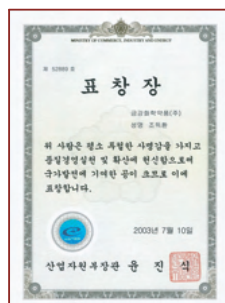
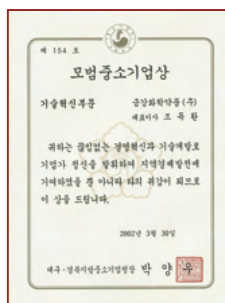
Quality Management

2002. 02	Obtained the certification of the QS 9000/ISO 9001
2002. 04	Selected as an excellent CLEAN company
2002. 05	Obtained the SQ-MARK certification from Hyundai-Kia Motors
2003. 02	Registered the QCC(Quality Control Circle) at the Korean Standards Association
2003. 10	Obtained the certification of the QCC company (Korean Standards Association)
2004. 03	Obtained the certification of the ISO 9001:2000
2004. 12	Constructed the POP(Point Of Production) System
2006. 05	Obtained the certification of the ISO/TS 16949 Quality Management System (Korean Standards Association)
2006. 10	Obtained the certification of the participation in the UNIDO ECOPROFIT basic demonstration project
2011. 06	Selected as a cooperative company for the compound rubber by Hyundai-Kia Motors
2011. 10	Constructed the ERP(Enterprise Resource Planning) System
2015. 10	POP(Point Of Production) system UP GRADE to MES(Manufacturing Execution System) system

Awards



National Quality Team Contest Presidential Award for six consecutive years



Process of RUBBER

Selected as a cooperative company for compound rubber by Hyundai-Kia Motors

1

Auto Weighting >>

2

Kneader Mixing >>

3

Mixing(Sheet) Roll >>



DC-POL
Rubber Compound

=

Master Batch

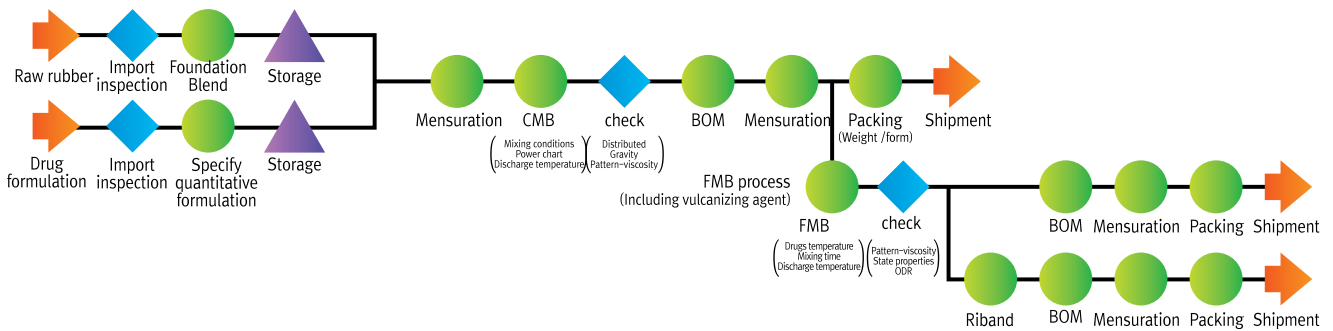
"DC POL" is the product name of a rubber compound of
new concept produced
in Diamond R. Tech CO.,Ltd.



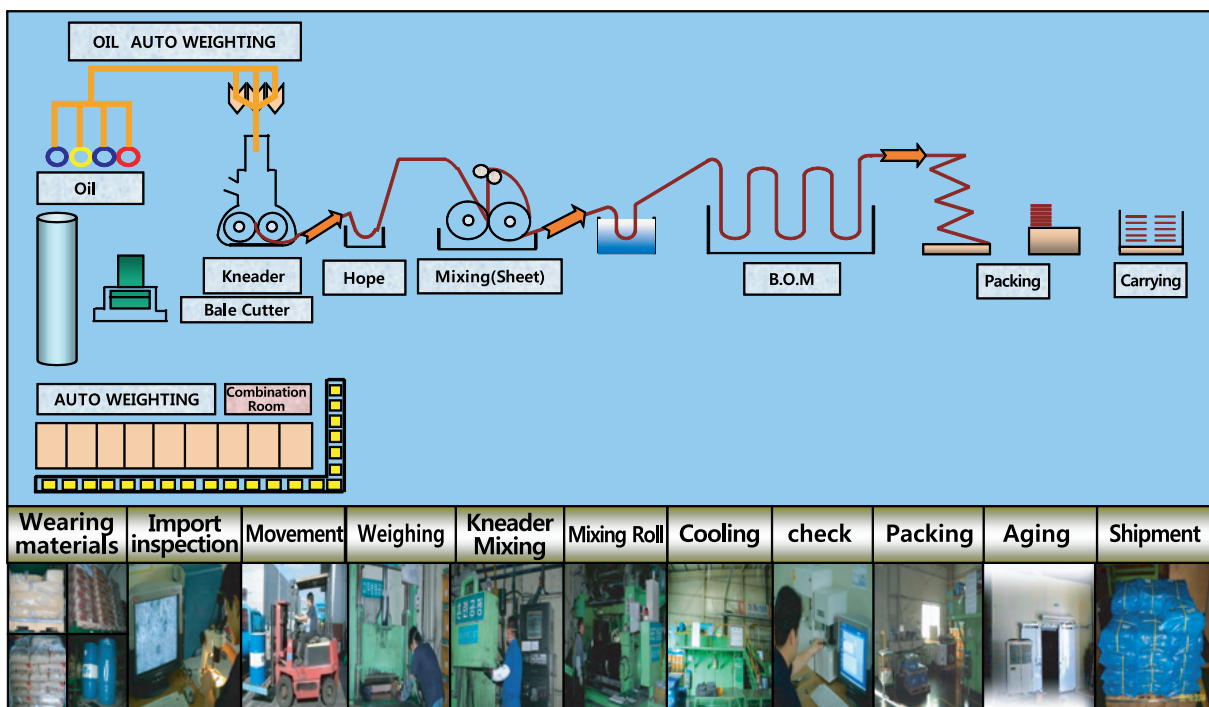
Product of RUBBER



4 Batch off Machine Cooling System >> 5 Batch Test >> 6 Custody



As a company respecting humans with the green Clean business and high-tech system, Diamond R. Tech approaches the clients with small quantity batch production.



Diamond R. Tech is for all kinds of rubber products including automotive, industrial and medical rubber products.

R&D Laboratory



Diamond R. Tech Co., Ltd. has strived to manufacture products of the best quality and at the center of such efforts is the company's research center found in June 2004 with the certificate of Korea Industrial Technology Association. The company also acquired the certificate of QS 9000/ISO 9001, won the Award for Prominent Small & Medium Business (Technology Innovation) by Daegu Gyeongsangbuk do Small and Medium Business Administration and obtained SQ Mark of Hyundai and Kia Motor in February 2002.

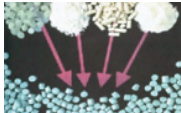




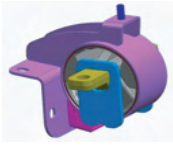







We also acquired the certificate of ISO 9001:2000 in March 2004 and certificate of ISO/TS 16949 in March 2006, being approved for our outstanding technological power.

Based on the supreme technological power, we will lead the development of the most advanced products and new materials.

Certificate Registration



Technology Performance

Number	Program Name (Enforcement Department/ Organization)	Subject Name	development period	content	Related Photos
1	General Subject (The Small and Medium Business Administration)	vulcanizing and curing the High functional and environment-friendly rubber agent and catalyst manufacturing technique	Mar 1, 2004 ~ Feb 28, 2005	<ul style="list-style-type: none"> - Prevent pollution - Prevent harmful effects to human - Increased dispersibility, so High-tech chemical 	
2	Subject of Strategy (The Small and Medium Business Administration)	Development automotive high functional and high-powered seal rubber manufacturing technique	Apr 1, 2006 ~ Mar 31, 2007	<ul style="list-style-type: none"> - It is a high tect car's seal material which keeps its intial performance in various used circumstances and keeps the performance for long-time 	
3	Kyeongbuk National Univ (Industrial Cooperative Universities Business group)	Development automotive high functional and high-powered vibration-proof rubber material	Sep 1, 2006 ~ Aug 31, 2007	<ul style="list-style-type: none"> - It is a dustproof material that has heat resistance and durability which lasts for 15years/15miles (car quality guarantee) 	 
4	Local Technology Innovation Enterprise (Daegu Techno Park)	Development high functional material and planning manufacturing the proposal oxygen mask through technical development	Nov 1, 2006 ~ Jun 30, 2007	<ul style="list-style-type: none"> - It is a popular evacuation respirator that makes people breathe for 30 minutes maximum by using oxygen generating system that use CO2 and moisture from the air people exhaled. 	
5	Subject of Strategy (The Small and Medium Business Administration)	Development Nano environment friendly and high durability vibration-proof rubber	Mar 1, 2008 ~ Feb 28, 2010	<ul style="list-style-type: none"> - It is a environment friendly, high durability vibration-proof rubber which uses Nano Composite 	
6	Regional Industries Technology Development Project (Daegu Techno Park)	Developmet environment friendly and conductive Nano Composite	Apr 1, 2009 ~ Mar 31, 2011	<ul style="list-style-type: none"> - It is a Nano Composite and Commercialized coatings that is based on layer structure 	
7	R&D Supporting Business based on Fusion Technique (Daegu Techno Park)	Development Dynamic Damper for cars less temperature and frequency dependency	Jul 1, 2011 ~ Jun 30, 2012	<ul style="list-style-type: none"> - It is a Dynamic Damper material that increases car's ride comfort by giving uniformity to car's vibration in low or high temperature. 	
8	Technology Diffusion Business based on Component, Material Credibility (Korea Institute for Advancement of Technology The Ministry of Trade Industry and Energy)	High functional EPDM by using nanotechnology Reliability Improvement of nano complex material	Jun 1, 2011 ~ May 30, 2013	<ul style="list-style-type: none"> - It is a EPDM nano complex material - It has a 10 year's credibilty by B10 Life 	
9	Project Connected by Investment (Ministry of SMEs and Startups)	Functional Carbon Nanofiber /EPDM composite material	Apr 27, 2016 ~ Apr 28, 2018	Functional Carbon Nanofiber/EPDM composite material that Rubber Parts for Automotive improve Quality and Durability	   

Patent »

8 additional Patent, patent applications three, one in the utility model, trademark five cases, three cases registered service mark



DC-POL : Rubber Compound=Master Batch

'DC-POL' is the product name of a rubber compound of new concept produced in Diamond R. TECH

1.CMB and FMB products »

Standard product : EPDM, NBR, SBR, NR, CR, IIR, ACM, FKM, VMQ such like Master Batch(Black/Color)

Ordered product : M/B according to mixed table what customers demand → small quantity batch production

Developed product : Mixed development M/B proper for product's characteristics

ETC : FMB formed by Barwell, wholesale of rubber chemicals and various rubbers

2. Characteristics of Rubber and possible application »

Material	Characteristic	Applications
EPDM (Green)	Excellent Aging resistance, Ozone resistance, Resistance to polar liquid, Electric property	weather strip of automobile, Steam hose, electrical conveyor belt, machinery for electron, shipbuilding, industry
NBR H-NBR (Green)	Excellent Oil resistance, Wear resistance, Aging resistance, Heat resistance, Water resistance	oil seal, O-ring, gasket, oil delivery hose, printout, top roll for textile manufacturing
NR	Excellent wear resistance, Elasticity, Tensile Strength, Tactile sense, physical property	Vibration proof rubber and tire for automobile, shoes, hose, belt, general purpose and industrial supplies
ACM	Oil resistance in hing temperature, Good wear resistance	transmission for automobiles, crankshaft etc.
SBR	Better wear resistance and Aging resistance than natural rubber	car tire, mackintosh, sporting goods and equipments, vibration-proof rubber, rubber for window frames etc.
IIR	Low gas permeability and chemical reactivity, High resistance to weathering and heat, low rebound resilience and good vibration absorption	tire, tube, roof sheet, Wire covering, insulating rubber etc.
FKM	Best heat resisting, chemical resistance	missile rocket that requiring, heat resistance, oilproof, chemical resistance anticorrosion packing of a chemical plant, Diaphragm
CR	Low combustibility, Good adhesion and maintained elasticity, Strong at weathering, Good physical property	CV Joint Boots, Wire covering, adhesive ignition belt, gasket etc.
VMQ	High heat resisting, Cold resistance, Non toxic, Atypism, Weatherresistance, Electric property	packing, gasket, oil seal etc. sealant resisting to cold and hot product for insulation and medicine
etc.	Rubber product that is synthesised by client's needs or New manufacturing methods	CMB & FMB : rubber for automobile, industry, medicine

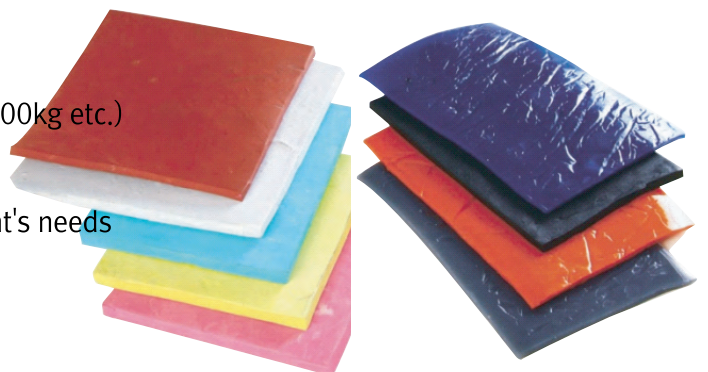
3. Package »

CMB

- Standard : 20~30kg / Film package
- Ordered : pallet package in sheet type (500kg, 100kg etc.)

FMB

- ribbon type, sheet type package that fits the client's needs



DC-CHEM : rubber chemicals, accelerator master batch

'DC-CHEM' is the name of the rubber chemicals, accelerator master batch in Diamond R. TECH which are applied to rubber goods required to be high functional and efficient and eco-friendly.



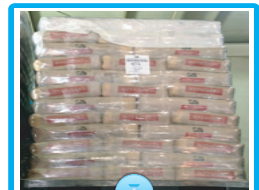
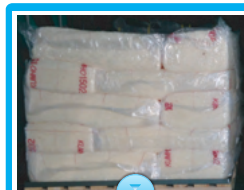
With 'DC-CHEM', We take the responsibility for the rubber to overcome adverse conditions, various rubber type and delicacy in order to meet high quality of the rubber products.

The Features of the DC-Chem »

- ➔ It can make the high functional and efficient and eco-friendly rubber products because we design the products of the suitable quality for the customer's equipment and formulation and supply them combined with the stability and the uniformity of the rubber quality.
- ➔ It can raise the productivity and high efficient economics, being mixed and dispersed to roll mixing rubbers quickly.
- ➔ It solves sanitary and odour problems by removing dust and scatter.
- ➔ It is stable to be stored long time and it is excellent to prevent blooming and scorch.

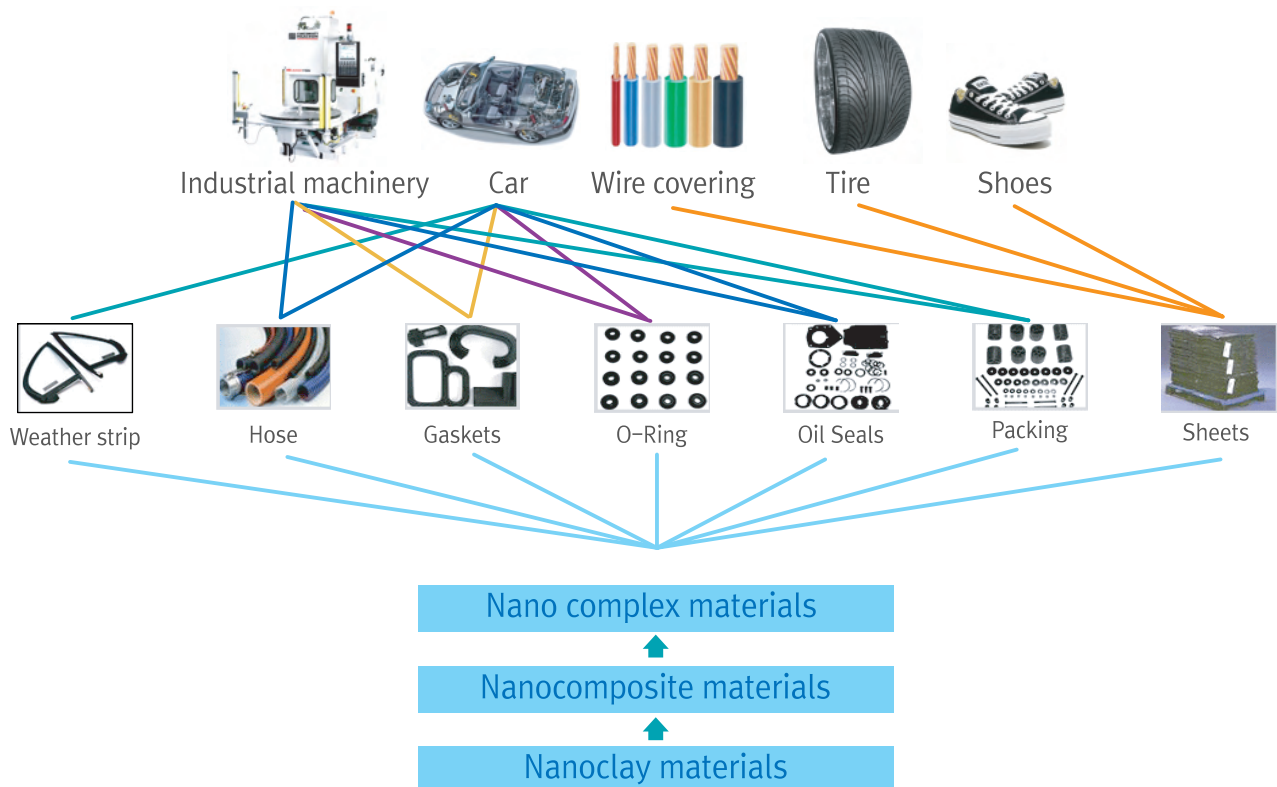
item of acquisition »

- ➔ Order production of CMB/FMB
- ➔ high functional rubber production
- ➔ wholesale and manufacture of rubber chemicals and various rubbers

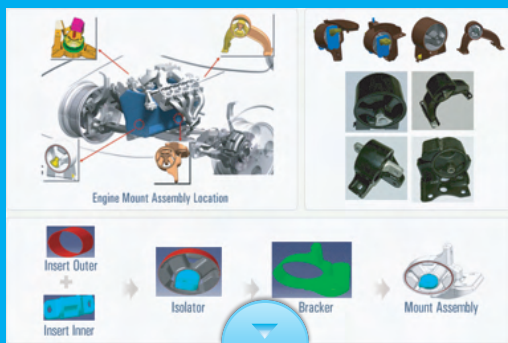


NANOSITE

‘NANOSITE’ is our brand name of **Green new materials** master batch and raw materials.



Material of vibration-proof rubber



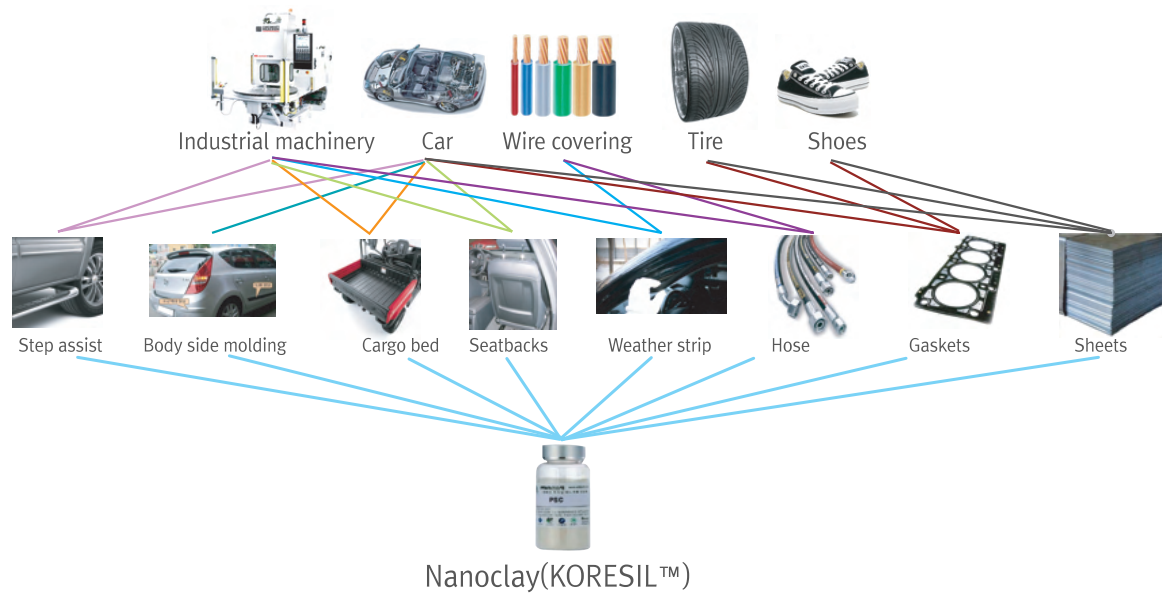
Hose rubber and extruding materials of radiator



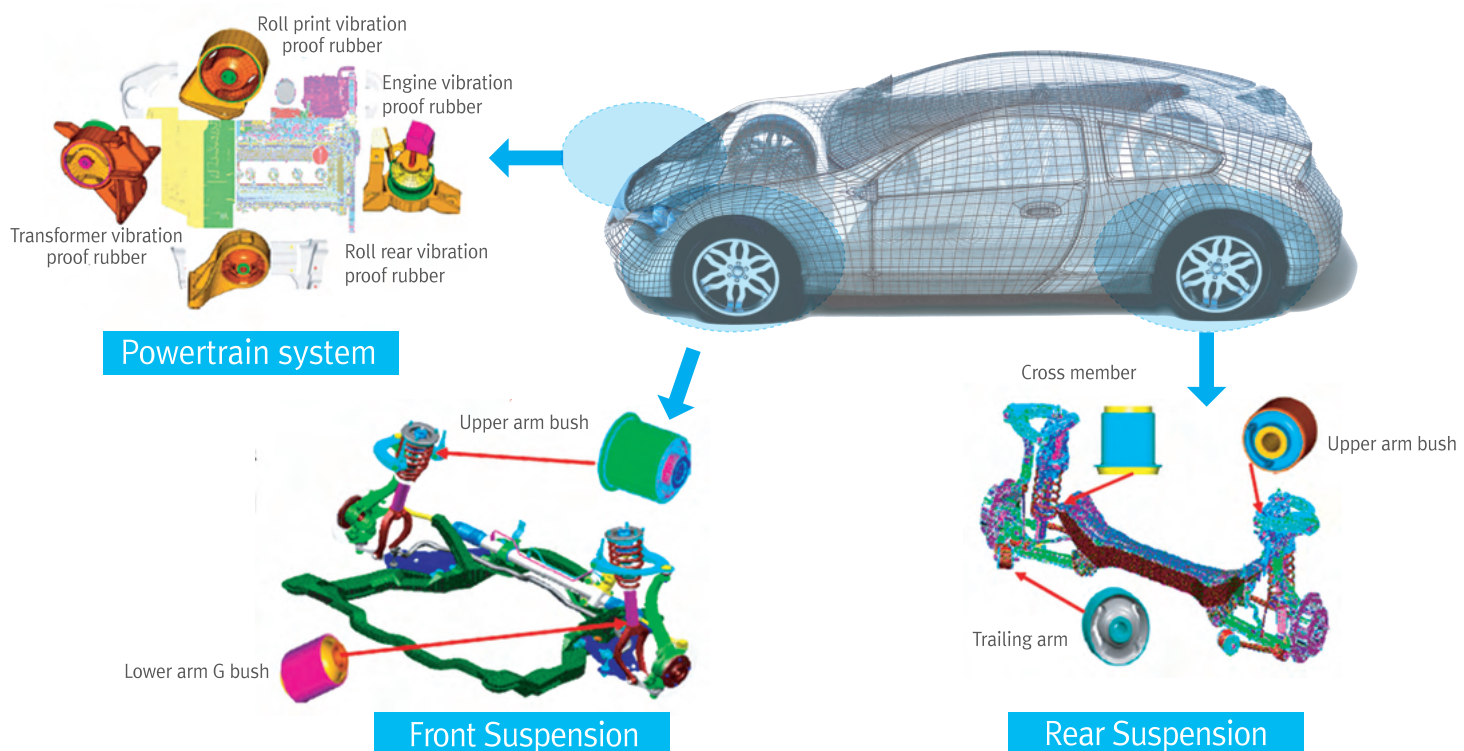
Production and sales of Nanosite(Nano materials)

Cooperation project developments applications

Application of nanoclay(nanofiller) in powder form



Vibration proof rubber for automobile using nanocomposite materials



Global green technology leading company

Like a diamond, small but solid company.
This is the spirit of enterprise we dream.

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