

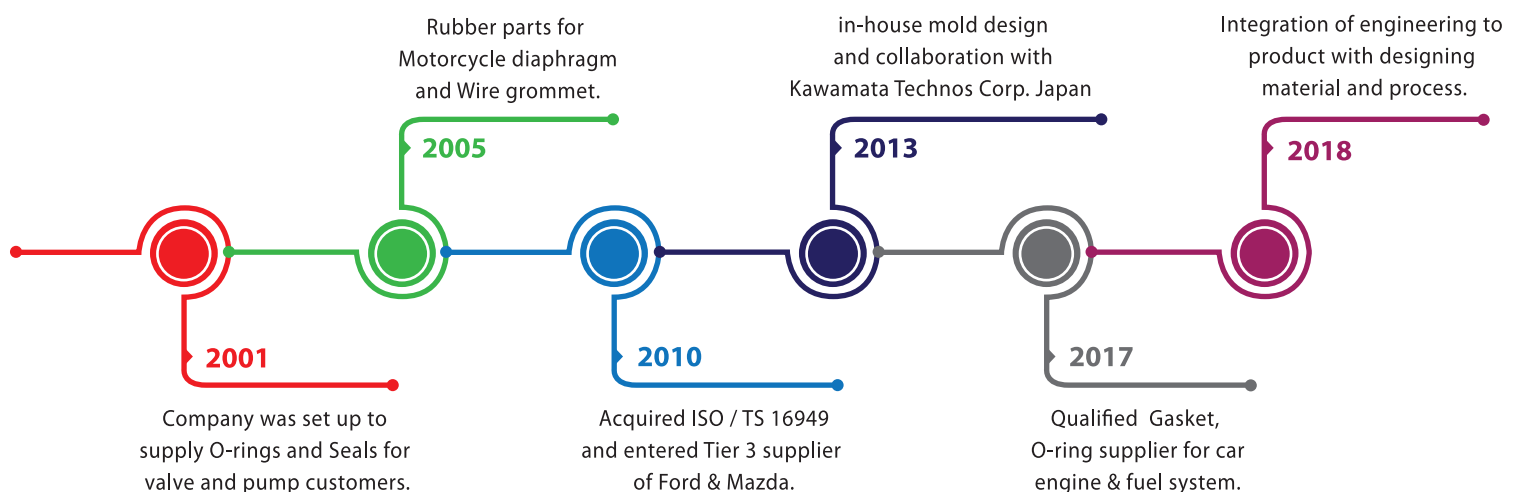


# THAI-NIHON SEALS LTD.

## บริษัท ไทย-นิฮอน ซีลส์ จำกัด

### High Performance Technical Rubber Molded Parts

**Thai-Nihon Seals** is one of the total value chain of the Innovation Group who provides total polymer technology solutions to customers. With almost two decades of experience in making high-performance and high-precision rubber products to automotive, electronics, petrochemicals, pump and valve industries with full technical support certified by ISO/IATF 16949 ensures that the customers always receive consistent quality products.



### Technical Solution Provider

Under the Innovation Group who continues in acquiring knowledge and technology in polymer and engineering, Thai-Nihon Seals works closely with customers. Starting from product design, polymer formulation design, mold design and mold manufacturing, process design to product performance testing trial before putting products into the production will assure that customer will receive the exactly right product with competitive in cost. Thai-Nihon Seals is moving toward the automation and robotic manufacturing for higher quality assurance and competitive cost which goes beyond customers' expectations.

### Certified by



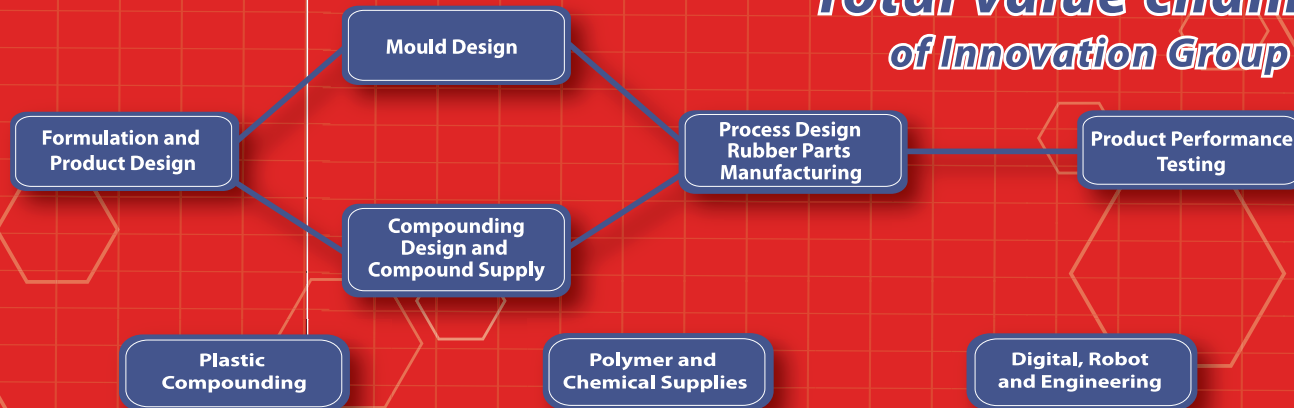
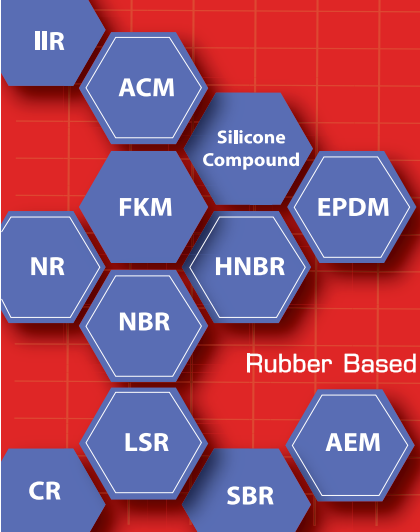
TUV NORD (Thailand) Ltd.



NSC-TISI-TIS 17021-1  
EMS 004

### Awards

- 4th SMEs National Awards 2011
- The Prime Minister's Industry Award 2010



## Total value chain of Innovation Group

In today's market, Thai-Nihon Seals key successes are the technological commitment and capability. Thai-Nihon Seals transforms from a simple rubber molding factory to be international high performance rubber molder. The group's in-house technology constantly develops innovative processing technology, product design, mold design and process design. The simple molding machines of Thai-Nihon Seals were converted to automatic control with sensors in every step of the process. Polymer knowledge and technology are also applied in order to produce high quality products with the lowest waste and scrap.

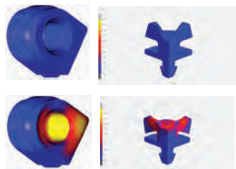


## INDUSTRIAL & CUSTOMIZED PRODUCTS



### PUMPS & VALVES

Pump and valve parts, Butterfly valve liner, diaphragm. Material qualify international specification both water and chemical pipe. Our Water pipe seals brand qualified the national standard.



### DESIGNED PARTS

Our ability of Finite Element provided good support in part designing.



### TRANSFORMERS, ELECTRICAL & ELECTRONICS

Excellent high voltage resistivity such as Transformers, electrical, bird-guard cup, seals, O-rings, washer and gasket



## AUTOMOTIVE PARTS



### Engine & Fuel parts

Engine and fuel parts including cylinder head cover gaskets, intake manifold gaskets, fuel suction gaskets



### Driveline & Transmission

Driveline and Transmission parts including boot, bellows & dust cover parts, axle shaft seals, O-rings & break parts



### Wiring harness & Connector wire seals

Wiring harness and connector wire seal parts including dash grommets, pot grommets, tank grommets front / rear / back door grommets & silicone wire seals

"Your Demand Create Our Products"

# THAI-NIHON SEALS LTD.

International Technology Solution Provider

**20 years** in people and technology development and transformation to digital manufacturing, Thai-Nihon Seals has been staying in the forefront of high performance rubber part manufacturers, building trust with business partners through business integrity, social and environmental responsibilities.

By developing products side by side with customers, Thai-Nihon Seals fully understands customers' requests and challenges. Thus, offering technical services, co-research, and rubber part development are our expertise. In many projects, our design engineers and chemists work closely with the customers in developing new products and services that meet the tough challenges of new designs in engines and systems.

## Engineering Center

### Product Design

Full product design service since start to end process

### Engineering Design

Factory design and Machine design

### Automation and Robotic

Flexibility, precision and consistency

### Engineering shop

Mold design, lathe and milling CNC machine

### Calibration Center

Certified by ISO 17025 : 2015

## Research & Development Center

Rubber, Plastic, TPV compounding and Process technology center

### Prototype center

Simulation all process before up scale to mass production through the prototype center

### Polymer Testing Services

Polymer testing services are committed to professionalize its testing capability in Plastic, Rubber and other relevant products



## Manufacturing

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