

# Realize the change you want

For nearly 90 years since our founding, we have continued to supply products using chemical materials, mainly rubber parts. The rubber component supplier that we belonged to at that time was too small to meet the demand.

Our company was founded as a trading company but changed to a manufacturer and then has continued making efforts to introduce new technologies including those from other industries, leading to the current reputation as a reliable, distinctive manufacturer.

We have been changing while keeping the venture spirit and prompt actions in mind, which has led to successful overseas expansions in Malaysia and the United States, and business diversification into other types of products in addition to rubber. Our company's present reputation is attributable to our everlasting business philosophy that helps such customers who desire change but are not sure how to bring it about. At OKAYASU, we will continue working while hoping to support people's desire to change things, and, at times, take the

initiative for them to fulfill this desire as a manufacturer.

Soichiro Oka



# Vision

Company associates, business partners and all other members of society

# achieve three types of happiness

#### **Bond**

Connection with important people and society

Speed and

efficiency are our

essential properties

Questions and

awareness are our



### Pride

Rewarding challenges and self-realization

**Emotion** Moving experience

# Value Breakthrough in manufacturing

## Mission -Mission-

Realize the change you want

## Culture -culture-

 Support and reward all people who are willing to face challenges regardless of their age, gender or personal history

2. Pursue highest speed and efficiency to shape as many ideas as possible

Value connections with people and society, and respect people who care about others.

Improvement and challenging spirit are indispensable for our success

> Delights shown by the post-processes are our pride



# requests to make breakthroughs.

# Breakthrough Point

Developing our own automatic adhesive machine for mass production of endless products

## Case. 1 Blower motor seal

<Application> Water packing piece for automobile air conditioners

#### "Customer need/problems"

- Some customers complained that flat rubber packing piece made by punching was too hard to protect water from leaking.
- We need large lots of sponge rubber endless products.

— CUSTOMER ACTION —

### 1 Requirement

Okayasu Rubber had been supplying EPDM sponge as a sealant and wanted to adopt the same sealant even after the end user's specifications were changed. Quality requirements included those for peeling strength, sealing performance and heat resistance. A mass production system that is large enough to meet the year-by-year increasing demand should be established as soon as possible.

### 3 Evaluation using samples

Water leakage occurred where the adhesive was forced out and hardened. Evaluation result: No Good The hardened adhesive caused a gap to be produced in the packing mating part, leading to water leakage.

#### — OKAYASU ACTION —

#### 2 Developing an adhesive

Instantaneous curing of adhesive was required for mass production. There was a problem that EPDM material itself was generally difficult to adhere. First, a conventional instant adhesive being used for EPDM materials was submitted and studied.

#### Developing an adhesive

Cooperating with adhesive manufacturers, we developed a special adhesive. Post-curing hardness of adhesive was reduced; and adhesive holding time was reviewed. Peeling strength test, water leakage test and aging test were carried out by our company. Submitted samples.

adhered sections.

#### Feedback

#### 5 Evaluation using samples

Testing samples showed a satisfactory result.

Start of mass

production Process and quality check (process capability): start of

mass production with an initial

annual production of 1,500



<Manual adhesion using a jig> Roll production

#### While producing a cord of sponge rubber by extrusion, it is cut into

sections. Make a bundle of 100 pieces.



Extrusion and integrated 100 pieces: 1 bundle

## land press adhesive process - Daily production of 150 work

All operations of clamping both ends of each piece of

Minimize the step made between

sponge rubber, applying adhesive and operating the lever clamp are completely manual. Forming the principle of the adhesive process





## 7 Start of mass production Improving production efficiency and quality

Developing a semiautomatic system using <Turntable-Employed Semiautomatic Adhesive Machine>

While producing a cord of sponge rubber by extrusion, it is cut into sections. Make a bundle of 100 pieces.



Extrusion and integrated 100 pieces: 1 bundle

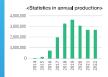
Sponge rubber is set in the jig, and the holding tool is operated

by a foot pedal. Start gluing by pressing the start button. Estimate the process capability that affects the peeling strength.



#### - CUSTOMER ACTION -

9 Production statistics Increasing mass production



Year	Production/ year	Total production (length in m)
2014	1,500	740
2015	132,639	65,660
2016	710,891	351,890
2017	2,004,962	992,460
2018	3,299,032	1,633,020
2019	3,652,868	1,808,170
2020	3,080,448	1,524,820
2021	2,697,115	1,335,070
2022	2,696,909	1,334,970

#### - OKAYASU ACTION -

10 Increasing production (hallons)

Increasing supply capacity along with the increase in demand and improving quality. Semiautomatic production cannot meet customer demand.

#### Production efficiency

Development of<Automatic adhesive machine>

Sponge rubber is automatically wound on a drum.



Automatic winding

utomatic adhesive process – automatic operation Dally production of 1,800 work places per machine per 22 hours/day operation

Set the material roll drum in the automatic machine. Cut the roll, apply adhesive, and adhere sections to produce the endless product. Unattended operation



Measure and cut the rolled material by the automatic machine.

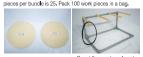
ace the work niece that

Transfer the finished

nto the box.

## Quality control (Final inspection)

Visually inspect the upper and lower limits of the adhesive inner diameter using a jig. Using a jig, check that the number of work pieces per bundle is 25. Pack 100 work pieces in a bag.



## The inner diameter of the adhered section and the number of work

lanual adhesive operation: 150 work piec

pieces processed automatically with a camera. Speed up

#### A piece of solid flat packing was ⇒ Water leakage

 Producing the endless product uses manual adhesion to connect sections, with no mass











Production capacity



Automatic adhesive machine: Daily production of 1,800 work pieces/day/machine

22 hours operation

Realize the change you want

Automatic adhesion between sections of an endless part Successful Mass Production!

# requests to make breakthroughs.

# Breakthrough Point

Proposal for switching from [Mold-employed forming] to [Continuous extrusion forming]

## case. 2 Protective bushing

<Application> Reduce vibration of the outdoor unit of an air conditioner

#### "Customer need/problems"

- They desire to rationalize the components of the outdoor unit of their production lines for cost reduction and process improvement.
- They want us to propose improvement plans, since they don't know how to do it.



#### **CUSTOMER ACTION**

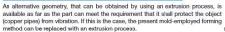
### Requirement

The customer desired to rationalize the components of the outdoor unit of the production lines though they didn't know what could be improved. The customer asked Okayasu, a component supplier, to visit the production lines and advise modification proposals.

#### OKAYASU ACTION

#### 2 Internal review

We visited the customer's production lines of the outdoor unit. We decided to propose a modification of the pipe securing protective bushings (the part is used in large quantities so a great improvement can be expected).



Extrusion can give the work piece a uniform cross-section. Unlike extrusion processes, the process of forming a material with a mold can produce a complex form such as those with horizontal grooves on the surface.

#### ➡ Ribbed geometries were studied. ➡ Part drawings were prepared internally.

Since the part is used for fastening copper pipes, it must not corrode copper pipes. Unlike the forming method with a mold, the extrusion process cannot be associated with peroxide crosslinking, so that low-sulfur materials have to be used.

#### → Modified compounds were studied internally.

\*Peroxide crosslinking: a sulfur-free crosslinking method. Crosslinking using sulfur may give rise to copper corrosion.

#### \*Vulcanization is a process of crosslinking a rubber by using sulfur.

## 3 Discussion

Discussions for modification of part geometries and use of low-sulfur material.



#### Material sample evaluation

Low-sulfur material does not affect the copper pipe.

#### 4 Material sample

A low-sulfur material sample was prepared and submitted.

#### 6 Trial production

#### Trial production could be carried out at low cost.

\*Example) Forming with a mold: manufacture of mold + trial production = From 1 million yen Extrusion: manufacture of nozzle + trial production = Around 0.12 million yen

#### 7 Discussion

The prototype was checked. Changing the production method to extrusion leads to a recess-less geometry of the part unlike that obtained by the previous production method, so that the part (band) may come off the piping.

#### 8 Internal review

As a result of repeated in-house studies, the band was modified to a ribbed structure so that it can be kept secured to the piping. Proposal drawings were created and submitted.

#### CUSTOMER ACTION

11 Initial trial production and evaluation

The band came off the test assembly in the drop test. - Request for

modification of the ribs' geometry. The part was too light to perform

13 Second trial production and evaluation

#### **OKAYASU ACTION**

### Discussion

well as a vibration damper.

The part was not affected by the

corrosion of the copper pipe on

which the part was fitted; and the

part did not come off in the drop

of vbration-damping performance

test. The part's weight is OK in terms

It was decided to perform trial production again but with some design modifications that will need to be proposed by us and accepted by the customer prior to the trial production. However, since this part's vibration-damping performance depends on its weight, its manufacturing accuracy shall be controlled by weight, not by geometry.

### 10 Trial production

Due to the large discharge amount of material from the nozzle, the work piece was burred. The nozzle was modified so that the discharge pressure could be reduced.

#### Trial production

The part's form was modified so that it could have a larger number of ribs. The thickness of the part was increased by 2 mm to increase its

#### Mass production

Since this part's vibration-damping performance depends on its weight, weight-based manufacturing tolerance control should be applied in place of dimension-based control.

#### <Advantage> Annual production of 360,000 pieces

Production system Item	Forming with a mold	Extrusion	Effect
Production capacity	2,000 work pieces/day	30,000 work pieces/day	Significantly raised
Finishing cost	2 yen	0 yen	Reduced
Lead time	30 days	14 days	Shortened
Total cost (%)	100%	84%	Reduced



A part made by extrusion is stalled on the copper tubes.







(2) Drop test result: good

3) Weight: good



Forming with a mold requires a larger initial investment for manufacturing a mold  $\Rightarrow$  Higher cost

Extruder's nozzle is cheaper than the mold ⇒ lower cost Time needed for manufacturing an extruder's nozzle is shorter than that for manufacturing a mold ⇒ Shorter









(1) Changing to ribbed molding makes it possible to switch from mold-employed forming to extrusion, (2) Have a low-sulfur compound design and (3) Eliminate burrs by improving the extruder's nozzle

Realize the change you want

Cost saving, process improvement and rationalization achieved!

# Breakthrough Point

Okayasu Rubber's production technologies are available for integrating the primer coating and taping processes into the line (extrusion process).

## Case. 3 Protector

<Application> Overfender for wheel arch (gap filler)

#### "Customer need/problems"

- It was an exterior part that remained yet to be coordinated with the surroundings in detail, so that mass production needed to be established with the minimum lead time after the specifications of the part were finalized.
- Four different types of parts: taped, total 42,000 m/month
- Extrusion process is carried out by other companies than those who are responsible for other manufacturing processes, which implies that it may be difficult to meet the target cost indicated by the end user.

2 Internal review and estimation

First, extrusion + primer coating, followed by taping by

outsourcing. For mass production, in-house taping has to be

#### CUSTOMER ACTION

### 1 Request

Low-cost, high-quality products would be delivered in time. Due to a shorter lead time to trial production, it would be started for all four different parts soon after our estimate is issued.

Trial production - order

ordered. All of the four parts would

Two days after receiving our

four different parts would be

be delivered in one month

estimate, trial production of the

## 4 Trial production

After extrusion of four different types of parts, detailed adjustments shall be made for the nozzles. A primer coating jig was developed for integrated coating operation. Taning performed at the later process.



OKAYASU ACTION



5 Discussion for trial production Tier 1: Visited together. Advised that taping be performed in an integral manner in the mass production phase. Schedule adjustment.

### 6 Check before mass production

Detailed adjustments such as packing specifications. Products taned by the in-house process submitted.

7 Preproduction preparation

Develop an integrated taping machine (our own design). Install cameras that monitor taping that is out of place.

8 Production











eet the QCD requirements - low cost,

Realize the change you want

A single-line operation of all processes leads to achieving the target cost!

# requests to make breakthroughs.

# **Breakthrough Point**

One-stop production system & Follow-up for process improvement

## Case. 4 Butterfly quarter vent 2 kinds (black and gray)

<Use> The butterfly is installed as a non-return valve at the cabin air discharge opening (duct quarter vent) to prevent exhaust gas and dust from entering the cabin.

#### "Customer need/problems"

- We have to respond to requests for cost reduction from end users "Requirements"
- Focus on butterfly quarter vents being used in large quantities

#### CUSTOMER ACTION -

#### Requirements for the product

Requirements for specifications (dimension etc.) and quality. It is necessary to evaluate the weather resistance using cold and heat cycle testing that simulates the actual onboard climatic environment

Point Rubber sheet manufacturers use large-scale manufacturing facilities leading to larger equipment costs and fixed costs. The thin rubber sheets also raise the cost. Commercial rubber sheets of standard sizes, different from the desired size, cause the yield to decrease.

## OKAYASU ACTION

#### 2 Internal review

Focusing on production processes and commercial flow.

Previous system>Ready-made rubber sheets purchased from a manufacturer were transported to a processing company where they were processed and then delivered. Since the product is as thin as 0.3 mm or 0.5 mm, the processing cost is high, and the post-transportation process by other companies raises the cost further. Both these cost-raising factors can be eliminated by changing the processes to in-house ones.

### B Discussion

Internal Using a wide continuous extrusion & vulcanization facility, extrude a thin rubber sheet whose width is appropriate for improving the yield, processing continuous punching.Cost reduction achieved by increasing yield and reducing transportation costs and processing costs. As a result, the product price was reduced by 15%. Cold and heat cycle testing was carried out using the test equipment of Okayasu Rubber.

#### Trial production - order

According to the discussion results, trial production was ordered.

#### Sample evaluation

Samples and all evaluation items could meet the requirements.

## VA review and process improvement

The manual assembly process was reviewed with a view to

Problems Work pieces stick to each other in the assembly process, so that the robot cannot take them one by one leading to failure in assembly (work pieces in black stuck to each other while those in gray didn't).

#### 4 Internal review

Develop a compound material appropriate as a thin, wide rubber sheet for continuous extrusion. Modify the existing facilities so that they can be used for continuous purching of thin sheets. Develop an automatic machine for winding rubber sheets

## 6 Trial production and test

Tria production using a two-sheet feeding system in place of the previous one-sheet system to improve production efficiency. Cold and heat cycle testing was carried out for the samples produced by trial production. Requirements for product dimensions and cold/heat weather resistance could be met. Parts produced by trial production were delivered.

#### 8 Mass production

Two-sheet system → Automatic sheet winding → Continuous punching

#### 10 Internal review

Study how to solve the problem of sheet-to-sheet sticking. The sheets in gray that did not stick to each other were chosen for study as a possible material.

#### Trial production

Eliminate sheet-to-sheet sticking. Test the hardness, tensile strength and elongation using sheet samples.

#### The robot system can produce 1,000 work pieces as a trial production (the previous system required additional Trial production work for separating sheets and removing jamening once in 20 cycles of operation) The robot system is free of such errors. Successful VA through the follow-up after starting











Replacing the one-sheet supply system with a two-sheet system as a feeder of rubber sheet material led to a larger yield and smaller processing cost.

Roll of sheet meterial used

Realize the change you want

Cost reduction with a one-stop production system Process improvement via follow-up

Successful improvement!

# **BreakthroughPoint**

Supporting quickest launch of new part production projects Reinforcing a mass production system to meet increased demand due to a competitor's withdrawal

## Case. 5 Cable protector

<Application> Automobile cable protector

"Customer need/problems"

CUSTOMER ACTION

Partly because it had a current business

partnership with Okayasu (supplier of sponge

protector), the customer requested Okavasu

protector), the customer requested orwaysast to join the project. The customer requested us to supply quality products at low cost with the shortest lead time. Despite the shorter lead time to trial production, we have to prepare estimates for 900 different products.

Trial production - order

Trial production was ordered for evaluation.

6 Evaluation by trial production

Select cross-sections of parts whose production volume is relatively large.

Evaluation by trial production.

Cracking test for a heat-resistant polyester part. Fitting test.

- The current supplier of the protector withdrew from the business.
- Mass production has to be started within the shortest lead time.
- The price would be as close to the current price as possible.
- About 900 different types of parts totaling 325,000 m/month

## (Example) Number of working days per month: 20 days - 480 working

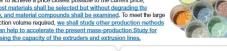
New parts production en increase by about 60%

Parts produced by extrusion: 40 t/month
 New parts production expected: 25 t/month
 Ratio of parts made by extrusion:

Production time required (for 24 hours operation): 301 hours/line (not including solup times and other proparation times)

## 2 Internal review

 Background and estimation In order to achieve a price closest possible to the current price. low-cost materials shall be selected but without degrading the quality, and material compounds shall be examined. To meet the large production volume required, we shall study other production methods that can help to accelerate the present mass-production Study for increasing the capacity of the extruders and extrusion lines.



OKAYASU ACTION -

### Preparation for trial production

Studied whether it was feasible to increase the speed of the extrusion process. ⇒ Proved feasible Our estimate submitted.

#### 5 Trial production

After manufacturing the nozzle, trial production was carried out. Parts produced by trial production

Discussion for trial production

Passed the fitting test. Cracking occurred in a part made of heat-resistant polyester. (Test condition: 150°C for 240 h) ■ Reviewing the material compound "The thermal aging test for EPDM is required to be conducted at 120°C for 72 h. Therefore, the above test condition is



## (I) Evaluation by trial production

Evaluation by trial production. Cracking test for a heat-resistant polyester part. Fitting test.

 Internal review Study for additives available for the heat-resistant polyester material. Discussion meeting between the customer, present supplier and Okavasu.





Usage ratio of

materials produced by

60%up

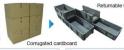
#### Trial production

Trial production using a new materia (compound) was carried out.



#### 11 Discussion for trial production

The heat-resistant polyester material passed the crack test. Delivery method, packaging specifications, and timetable for mass production were confirmed. Because there are a large number of different types of products, and considering the SDGs initiatives, we, following the practice of the



Along with the SDGs initiative, delivery containers of returnable boxes are used in place of cardboard boxes

#### 12 Check before mass production

Detailed adjustments such as packing specifications.

## Mass production

At first, 85% of the total demand was produced by Okayasu Rubber Co., Ltd. For 100% production, on extrusion line was added.

Maximum of one year of lead time is required to e



Realize the change you want

Success in quick start!

## requests to make breakthroughs.

# **BreakthroughPoint**

Okayasu Rubber's production technologies are available for integrating additional processes into the line (extrusion process). Silicone coating, primer coating and taping within the line (extrusion process).

## Case. 6 SEAL RUBBER

<Application> Buffer between headlight and bumper

#### "Customer need/problems"

 There were no such companies that could do all operations of taping, tab-taping, silicone coating on one side and punching.

#### CUSTOMER ACTION -

#### Estimation

We want to do all the processes at a low cost. The specifications are different between the L and R parts. A special process that requires both silicone coating and taping.

\*Silicone coating on one side and taping on the other side. Functional requirements: the silicone coated surface must have a good slipperiness and the surface to be taped must be adhesive.

#### B Discussion Trial production was performed completely manually. It was agree that mass production





#### OKAYASU ACTION -

#### 2 Internal review

The part required had a form different from the previous ones and it had a portion in which some angles were specified. We had to study whether it was possible to make the part by extrusion. Designing a process in consideration of the final product specifications. We were not sure that it was possible to integrate the taping and silicone coating operations with the main process, so they have to be done manually at first. Finally, silicone coating and taping will be integrated into the line. Since the final specifications differ between the L and R parts, examine the option of punching at a later stage.

#### Internal review

A taping jig needed for integrating the process into the line was developed. A sprayer for coating silicone was developed. A simple die was developed.



Punching jig

## except the punching Discussion

would be automated

Purpose of the tab tape: Make the L & R parts distinguishable; and it can be pulled to make it easier to peel off the release paper (improvement of workability), Previous specifications: The release paper of the tape is cut at the center of the product, and tab tape is applied to the left and right sides of the cut. \*Both the customer's and Okayasu's workability is bad.

Proposal for revised specifications: Some tab tape to make it easier to peel off the release paper is applied at one end of the product only. process time



Detailed adjustments such as packing specifications. Check the

# 6 Preproduction preparation

A taping jig needed for integrating the process into the line was developed. A sprayer for coating silicone was developed. Trial production using these devices + monitoring "taping out of place" using cameras.

A die available for mass production was developed, Trial production was carried out. Packing specifications were determined.

## Mass production

Meeting requirements for complex specifications. Satisfying customer's product specifications taking into





Check before mass production

quality and workability through trial production.













Completed

Realize the change you want

Success in improving complicated production processes

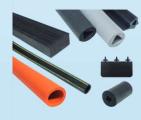
# Okayasu supports your life As a manufacturer, behind the scenes.

our company handles products of various materials and shapes.



## Vehicle related

- Insulator rubber
- . Water packing for oar air conditioner
- Seat for cabin air pressure regulating valve
- Rubber for bonnet cushion
- · Buffer material for weather strip
- Grommet for car wiring Cushion for fuel tank
- Cable protector



## Components for light electrical appliances

- Vibration-damping rubber for air compressor
- Rubber bush for air compressor
- Silicone spacer
- · Airtight packing for blackboard eraser
- Vibration-damping sponge rubber • Pipe fastener for outdoor unit
- Drain air backflow preventer
- Air conditioner drain hose



## Infrastructure, building, and industrial use electric power related

- · Seat ring for butterfly valve
- · Sound insulation outlet cover
- · Water cover for balcony
- · Water packing for traffic signal · Braille tile for the visually impaired
- Door rubber packing
- · Doorstop rubber
- Shutter sponge
- · Light-shielding packing
- · Rubber for jointing between floor tiles
- · Waterproof gap-filling plate for building material









## Housing equipment related

- Rubber plug for bathtub
- Rubber nut for toilet
- · Light shielding packing for lighting fixture
- Step offsetting mat
- Highly foamed cushion for toilet base
- Perforated rubber lid for sink
- · Cord bushing for water fauce · Floor mat for bathroom
- · Waterproof packing for







Food, medical and

Slip-preventive rubber for handrail to help

Packing for medical pail

people stand

Medical wrist band

Slope board for wheelchair

Rubber hose for cryotherapy

nursing care related





- Rubber bat for practicing swinging
- Jump rope grip
- · Grip for lawn mower





### OKAYASU Brand (Okayasu Rubber Standard Products)

Utilizing our own technological capabilities, we have developed unique, standardized products. Our products are available also on the Internet shops of Amazon, Yahoo and Rakuten.



- "Tough Long" series · "Tough Long" ES5 · "Tough Long" sheet
  - · "Tough Long" microcell



Fukuraku series · Kitchen floor mat

- · Toilet floor mat
- · Washstand floor mat
- · Fatigue-reducing floor mat



Round cord series · Rubber seal (round cord, solid)

(round cord, sponge



Sponge pipe Sponge square cord

- Sponge semicylindrical cord
- U-shape grooved rubber

Small parts produced



Mamoru-kun series

Orange-brown 5M

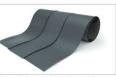
Orange-brown 10M



Rubber plates · Rubber plate (solid)

Standard products

Sponge rubber sheet (sponge)





Integrated system from design to production. Taking advantage of our capabilities of designing production processes, we shall continue creating integrated, one-stop production systems.

Our one-stop production systems consisting of our own designed general-purpose machines will lead to higher efficiency in production.

We are actively investing in developing processing machines and robots.

#### **Production Process**

We design nozzles and molds We design nozzes and mods internally. We can develop new compounds depending on the properties and functional requirements for the parts to be made from them. Our testing capabilities include physical property tests. resistance tests and adhesion tests Trial production before mass rnal production before mass production is done to find production-related problems includi those with productivity, physical properties and appearance, and the prototypes and the data obtained a submitted to the customers.



Weighing the required amounts of components and chemicals according to the compound specifications. First neaded roughly using the kneader, and then kneaded to the final condition using the open roll. Take a sample and check the vulcanization curve and viscosity of the material. To stabilize the

material, store it in a

conditioning room.

temperature-controlled





Refining process





#### Extrusion process

A molding method in which a high pressure is applied to a material in an extruder and thus the material is continuously extruded through a nozzle. The cutting process determines the cut dimensions taking into consideration data regarding material shrinkage. The taping process tapes the work piece as an integrated operation during the extrusion process. In addition, various processes are contained in the extrusion production system so that they can be streamlined into a one-stop system.















#### ection molding proces

A molding method in which a material is heated, softened and injected into a heated mold at high pressure. All operations from feeding the material to removing the product are automated. This allows for unattended



#### Various processes

After molding, these processes are used as required. Performing automatic bonding between sections of an endless product or continuous punching in an integral













#### Finishing and shipment inspection

Manually remove the burrs from the molded product using jigs



13

Various tests and measurements such as those for dimensions, specific gravity, hardness, tension and appearance can be done depending on the product type.



Shipment

#### Main materials

- EPDM (Ethylene-propylene rubber)
- · CR (Chloroprene rubber)
- NBR (Nitrile rubber)
- · SI (Q) (Silicone rubber)

#### Corporate Profile

Okayasu Rubber Co., Ltd. Company name

Start operation April 9, 1936 Founding April 9, 1947 Capital 30 million yen President & CEO Soichiro Oka

Number of employees 202 (group total), 97 (Okayasu Rubber only)

271-1 Yamadera-cho, Kusatsu-shi, Shiga 525-0042 Japan Head office

077-562-7271 (switchboard number) Phone number Domestic sales offices Shiga, Osaka, Saitama and Aichi

Shiga (site area: 15,626 m²; total floor area of Domestic plants

buildings: 6,453 m²)

Overseas plants

Overseas branches United States of America



Our social media accounts:













For details, click here ▼

fou can view various pieces of content such as "Learning Through these easy-to-understand videos, you can see how the product Lineup."

Through these easy-to-understand videos, you can see how the products are produced in the factory.

#### **Environment and CSR**

ISO certificate acquisition status

■ Head office plant ISO 14001:2015 acquired on February 27, 2001 ■ Malaysia Plant ISO 9001:2015 acquired in March 2005 ISO 9001:2015 acquired on March 28, 1997

ISO 14001:2015 acquired in March 2004

#### **Business Bases**

#### **Head Office Plant**

271-1 Yamadera-cho, Kusatsu-sh Shiga, 525-0042 Japan TEL: 077-562-7271

E-mail: okayasu.pm@okayasu-rubber.co.jp Consistent operations for designing compounds of rubber materials, designing and manufacturing molds and dies, processing, and quality assuranc



#### Osaka Office

9-13, Higashiobashi 3-chome Higashinari-ku, Osaka, 537- 0024 Japan For telephone inquiries, please contac the head office.



#### Nagoya Office

4th Floor, Nagoya Itochu Building, 1-5-11 Nishiki, Naka-ku, Nagoya-shi, Aichi, 460-0003 Japan TEL: 080-8943-1599



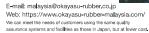
### Omiva Office

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#### **OKAYASU RUBBER** (MALAYSIA) SDN.BHD.

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