

**TOYOBO** TOYOBO MC Corporation

# CORPORATE PROFILE

# OUR SOLUTIONS POWER





## TOP MESSAGE

TOYOBO MC Corporation was established on April 1st, 2023 through investments made by both Toyobo Co., Ltd. and Mitsubishi Corporation.

Our goal is to contribute to solving social issues throughout the world by expanding functional materials, using Toyobo's long-standing technical expertise and Mitsubishi Corporation's global network and business know-how.

In this joint venture, we are not taking a conventional approach such as just having Toyobo manufacture the products and Mitsubishi Corporation simply sell the products. Both companies will actively be involved in managing the business, and by self-reforming, we plan to enhance our corporate value. By doing this, we hope to make Japan's functional materials something that is invincible in the worldwide industry.

The environment surrounding the material manufacturing industry is rapidly changing every day. Because of this, the client's needs are becoming more diverse in the recent years, but we hope to become a company that the customers come to first when in trouble. We hope to improve our technology so that they are distinguished from other companies in the industry so that we will be able to receive requests from all over the world. TOYOBO MC Corporation was established to achieve this goal. All of our employees will work together to take on this challenge.

President & Representative Director, CEO **Chikao Morishige**



# VISION

**Solving global issues with high-performance materials**

By globally developing high-value-added functional materials,  
we will contribute to solving the world's problems.

MISSION  
**01**

**Never stop  
transforming  
ourselves**

We recognize that standing still in a dramatically changing business environment is a risk. We will continue evolving.

MISSION  
**02**

**Answering future needs  
with our unique  
material technology  
and network**

We will answer needs from future mega trends by combining Toyobo's unique technology with Mitsubishi Corporation's broad and global network.

MISSION  
**03**

**Create solutions to  
societal  
challenges  
through collaboration**

We will generate value by providing solutions to societal challenges through collaboration with internal and external partners.

Resin and Chemical

Environment and Fiber

Support pharmaceutical and agrochemical industries

Purify air

Fine chemicals

Organic synthesis

Adsorption and separation

Environmental solutions

Recycle solvent

Print

Photo-functional materials

Water treatment membranes

Color

Polymer modification

6 core technologies of TOYOBO MC

Fiber spinning

Providing drinking water

VYLON™, HARDLEN™

Stick

Copolymerization

Simulation

Nonwoven fabrics

Withstand weather

Withstand repetition

Engineering plastics

High performance fibers

Protect from burns and cuts

Make lighter

Reel in Lift up

# Resin and Chemical

## Engineering Plastics

With excellent heat resistance and other unique properties, engineering plastics are used for automobile parts, electric/electronic parts, mechanical parts, and elsewhere. Products we offer include PELPRENE™ with both properties rubber and engineering plastics; GLAMIDE™, glass fiber reinforced polyamide resin; and VYLOPET™, a thermoplastic polyester resin for injection molding.



Thermoplastic polyester elastomer  
[PELPRENE™]



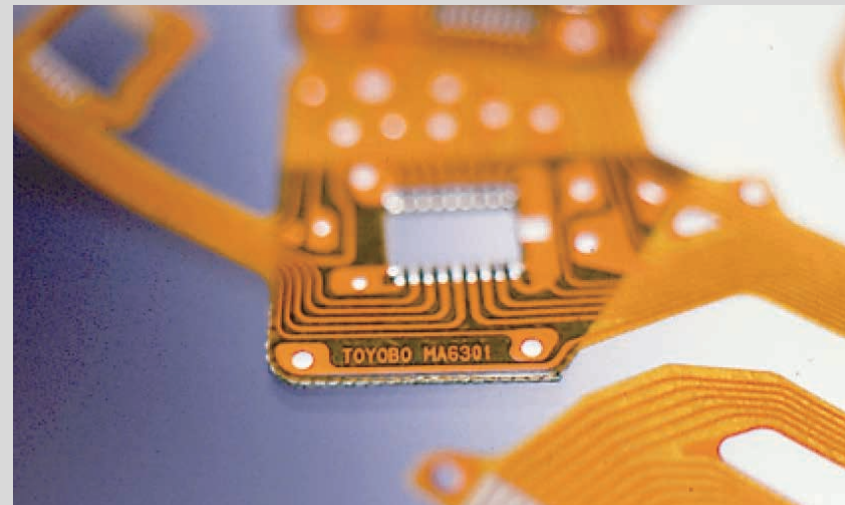
High performance polyamide resin  
[GLAMIDE™]

- Automobiles
- Industrial machinery
- Appliances

## VYLON™, HARDLEN™

Our offerings include VYLON™, a highly polymerized co-polyester resin used as a binder for paints and an adhesive flexible PCBs; HARDLEN™, a modified polyolefin with excellent adhesion to polypropylene; and VYLOSHOT™, a low-pressure molding material that protects electronic materials. HARDLEN™, for example, is used as an adhesion promoter for OPP\*1 film and PP bumper primer.

\*1 Oriented polypropylene



Industrial adhesive  
[VYLON™]



Adhesion promoter to polyolefins  
[HARDLEN™]

- Automobiles
- Electric/electronic
- Food packaging

## Photo-Functional Materials

We offer two categories of product, Printight™ a water-washable photo-sensitive letterpress plate, and Cosmolight™ a water-washable photo-sensitive flexo-plate that is resistant to water-based ink. It has low environmental impact and contributes to pleasant work surroundings.



Water-wash letterpress plate  
[Printight™]



Water-wash flexo plate  
[Cosmolight™]

Printing

## Fine Chemicals

Leveraging our fundamental technologies accumulated over the years, we carry out manufacturing, both in-house and on contract, of products such as sulfur compounds, tetrazole compounds, and azide compounds. Our products are used, for example, in pharmaceutical intermediates, agrochemical intermediates, and optical lens raw materials. We carry out every step, from lab-scale testing and pilot production all the way to industrial-level manufacturing.



Fine chemicals  
[Custom manufacturing]

- Pharmaceuticals
- Agrochemicals
- Functional materials

# Environment and Fiber

## Environmental Solutions

Solutions we provide include HONEYROTOR™, which concentrates VOCs into low-air-volume and high-concentration gas; K-FILTER™, which carries out efficient adsorption and recovery of VOCs in emissions; and HOLLOSEP™, a multi-purpose water treatment membrane for applications such as seawater desalination. HOLLOSEP™ products are available in RO<sup>※2</sup> membrane; BC<sup>※3</sup> membrane, which concentrates industrial wastewater; and FO<sup>※4</sup> membrane, which allows membrane separation at a lower operational pressure than RO membranes.

※2 Reverse osmosis ※3 Brine concentration ※4 Forward osmosis



VOC treatment system  
[K-FILTER™ VOC Recovery Equipment]



Hollow-fiber water treatment membranes  
[HOLLOSEP™]

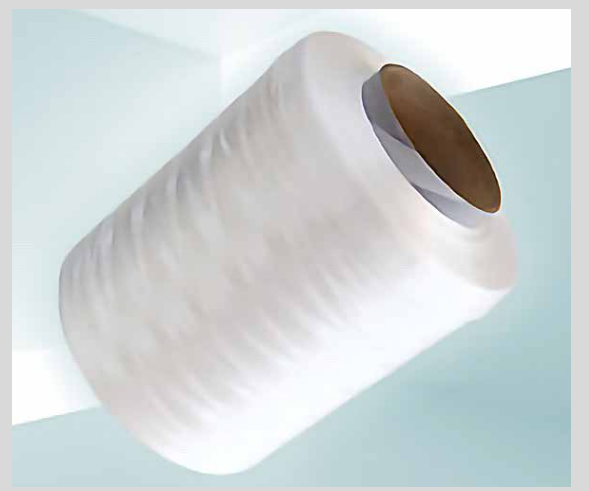
- VOC recovery
- Seawater desalination
- Wastewater treatment
- Resource recovery

## High Performance Fibers

We provide three superior fiber products: IZANAS™, an ultra-high-strength polyethylene fiber; Tsunooga™, high-strength polyethylene fiber with excellent cut resistance; and ZYLON™, which has the world's highest level of strength and heat resistance among organic fibers. They are widely used for industrial materials, personal protective equipment, and sports gears.



Ultra-high-strength polyethylene fiber  
[IZANAS™]



High-strength polyethylene fiber  
[Tsunooga™]



PBO fiber  
[ZYLON™]

- Fishing line
- Gloves
- Protective clothing
- Sports equipment

## Nonwoven Materials

Our offerings include BREATHAIR™, with a multifunctional, 3D network structured fiber material and a wide range of uses such as on Shinkansen (bullet train) seats and in bedding; VOLANS™ and ecule™, spunbonded nonwovens for car interiors and construction materials; ECOVOLANS™ and ecoecule™, which contain at least 70% recycled polyester; ELITOLON™ dust removal filter; ADSTOLON™ deodorization filter; and bicomponent fibers for sanitary materials.



3D network structured fiber material  
[BREATHAIR™]



Recycled polyester spunbond  
[ECOVOLANS™]

- Car interior
- Construction, civil engineering
- Bedding
- Sanitary materials



Dust removal filter media  
[ELITOLON™]



Polyester staple fiber



# CORPORATE PROFILE

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## Corporate Profile

Company name	TOYOBO MC Corporation
Representative	Chikao Morishige, President & Representative Director, CEO
Operations	Planning, development, manufacturing, and sales of functional-material products
Established	September 5, 2022
Business start date	April 1, 2023
Capital	15,100 million yen
Investment ratio	Toyobo Co., Ltd. 51%, Mitsubishi Corporation 49%
Head office	Osaka Umeda Twin Towers South, 1-13-1 Umeda, Kita-ku, Osaka
Number of employees	1,200 (standalone); 2,000 (consolidated)

(As of April 1, 2023)

## Bases

### Head office

Osaka Umeda Twin Towers South, 1-13-1  
Umeda, Kita-ku, Osaka 530-0001  
Tel:+81-6-6348-3101 Fax:+81-6-6348-3299

### Branch offices

#### Tokyo Branch

Sumitomo Corporation Kyobashi Building, 1-17-10 Kyobashi,  
Chuo-ku, Tokyo 104-0031  
Tel:+81-3-6887-8700 Fax:+81-3-6887-8787

#### Nagoya Branch

Miyuki Building, 390 Ichibagicho, Nishi-ku, Nagoya, Aichi  
452-0805  
Tel:+81-52-856-1632 Fax:+81-52-856-1635

### Domestic plants, research center

#### Iwakuni Site

1-1 Nadamachi, Iwakuni, Yamaguchi 740-0033  
Tel:+81-827-33-3111 Fax:+81-827-33-3555

#### Tsuruga Site

10-24 Toyochō, Tsuruga, Fukui 914-8550  
Tel:+81-770-21-4766 Fax:+81-770-22-7660

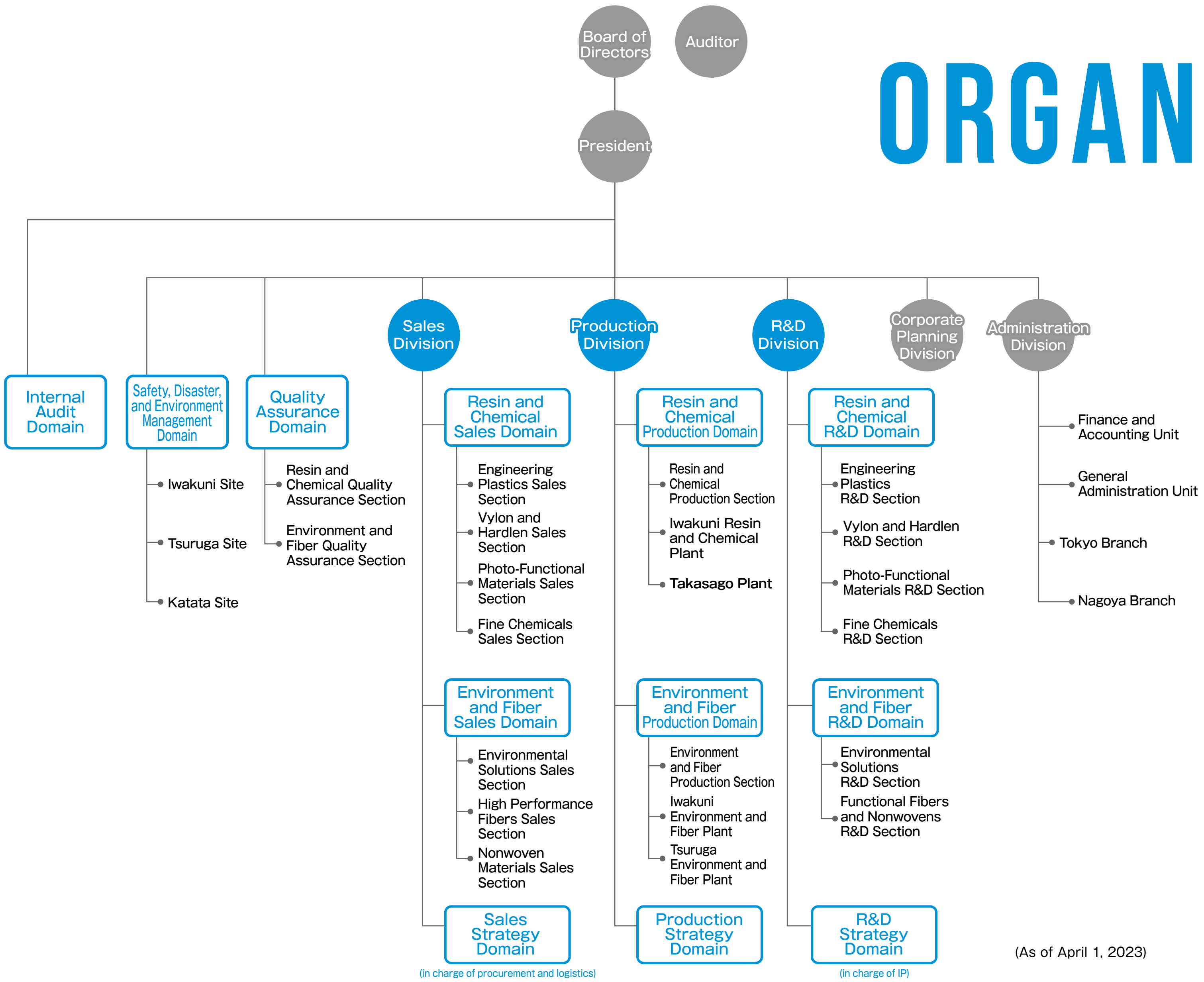
#### Katata Site

2-1-1 Katata, Otsu, Shiga 520-0292  
Tel:+81-77-571-0005 Fax:+81-77-571-0017

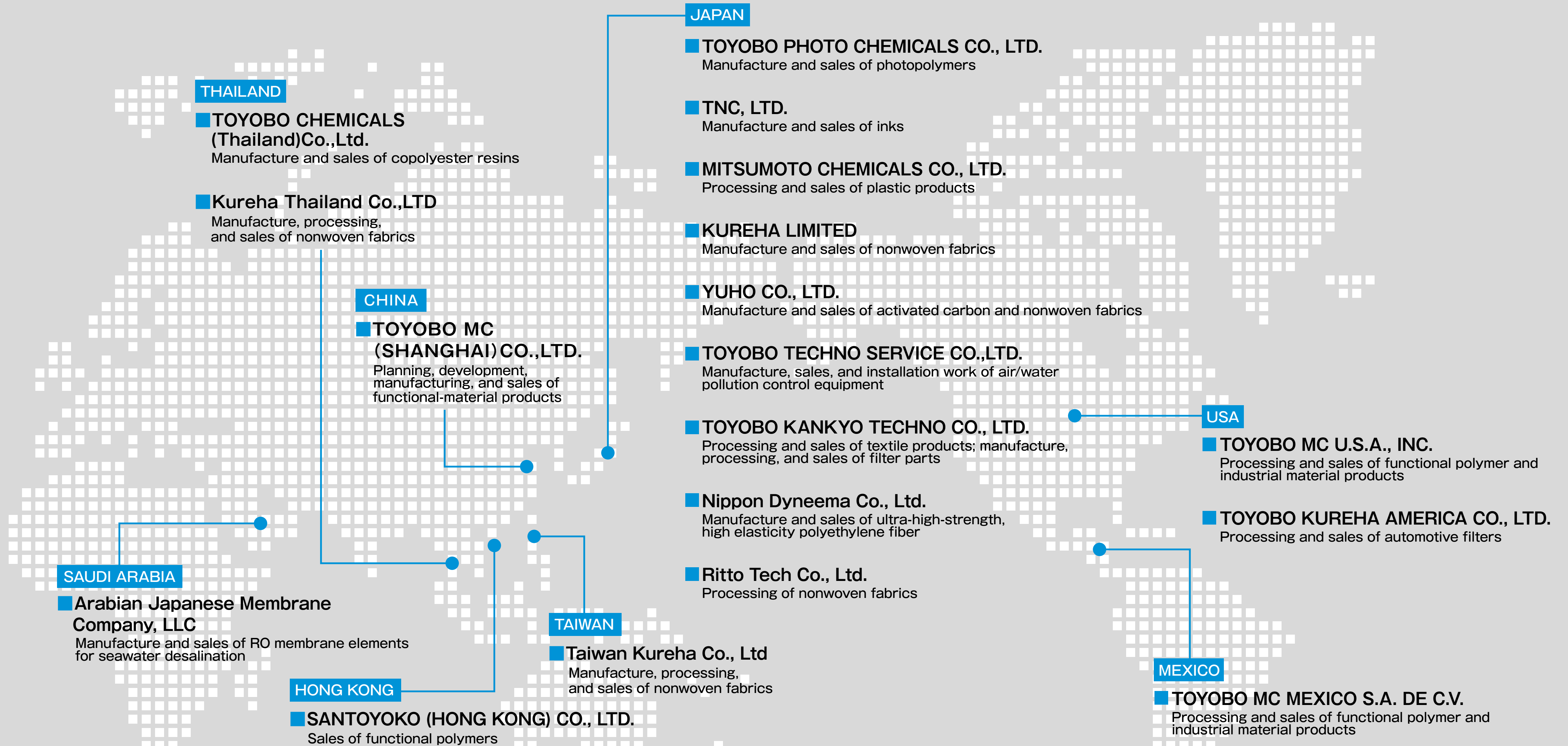
#### Takasago Plant

2900 Sonemachi, Takasago, Hyogo 676-0082  
Tel:+81-79-447-7160 Fax:+81-79-447-7179

# ORGANIZATION CHART



(As of April 1, 2023)





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