



TOYOTA INDUSTRIES CORPORATION



Corporate Profile 2023  
TOYOTA INDUSTRIES CORPORATION

*TOYOTA*

Use this QR code to access  
Toyota Industries' official website.  
<https://www.toyota-industries.com>



# Our Philosophy and Vision

Guided by a strong ambition to “contribute to society and the world through *monozukuri* (manufacturing),” Toyota Industries founder Sakichi Toyoda embraced the spirit of “being studious and creative” and made various inventions, including the non-stop shuttle-change Toyoda Automatic Loom, Type G. The spirit of Sakichi Toyoda was encapsulated in the Toyoda Precepts, formulated in 1935. The Toyoda Precepts became the heart and soul of managers and employees alike, serving as the corporate creed and management philosophy of all Toyota companies. The principles behind the Toyoda Precepts live on today in our Basic Philosophy.

## Toyoda Precepts

- Always be faithful to your duties, thereby contributing to the Company and to the overall good.
- Always be studious and creative, striving to stay ahead of the times.
- Always be practical and avoid frivolousness.
- Always strive to build a homelike atmosphere at work that is warm and friendly.
- Always have respect for spiritual matters, and remember to be grateful at all times.



Founder  
Sakichi Toyoda

## Basic Philosophy

### Respect for the Law

Toyota Industries is determined to comply with the letter and spirit of the law, in and outside of Japan, and to be fair and transparent in all its dealings.

### Respect for Others

Toyota Industries is respectful of the people, culture, and traditions of each region and country in which it operates. It also works to promote economic growth and prosperity in those regions and countries.

### Respect for the Natural Environment

Through its corporate activities, Toyota Industries works to contribute to regional living conditions and social prosperity and also strives to offer products and services that are clean, safe, and of high quality.

### Respect for Customers

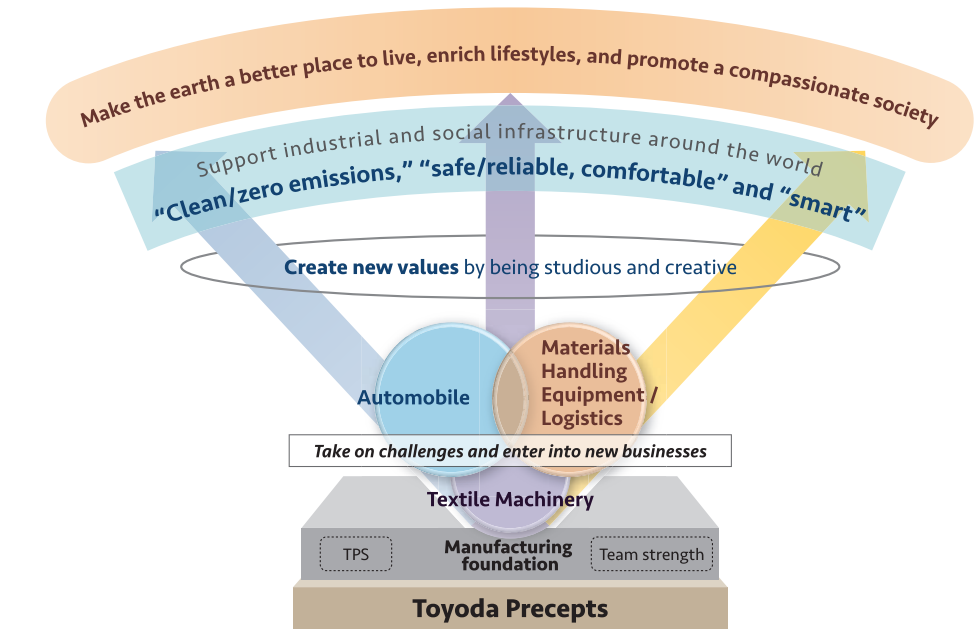
Toyota Industries conducts intensive product research and forward-looking development activities to create new value for its customers.

### Respect for Employees

Toyota Industries nurtures the inventiveness and other abilities of its employees. It seeks to create a climate of cooperation, so that employees and the Company can realize their full potential.

## Vision 2030

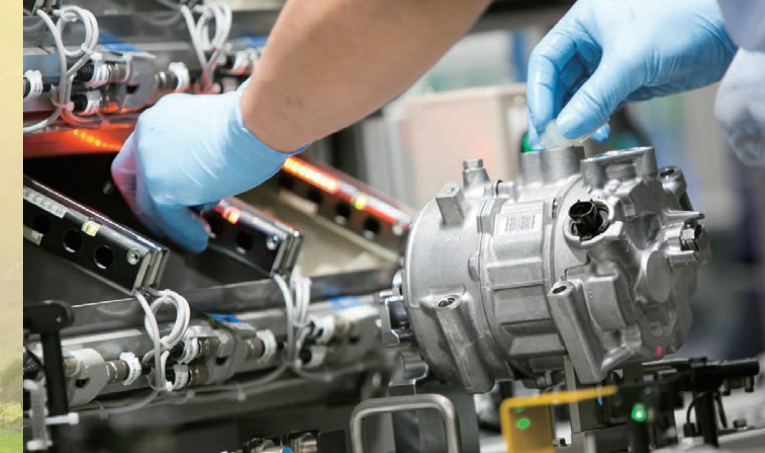
Contribute to making the earth a better place to live, enrich lifestyles, and promote a compassionate society by supporting industrial and social infrastructure around the world through the continuous supply of products/services that anticipate customers’ needs.



# Realization of a Sustainable Society

## Resolving Social Issues through Our Business

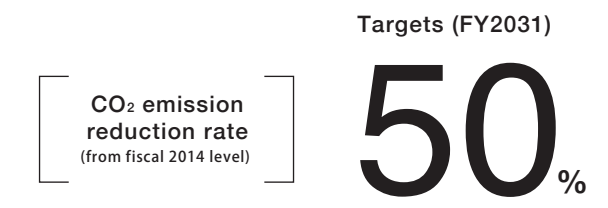
To realize our Vision 2030 to “contribute to making the earth a better place to live, enrich lifestyles, and promote a compassionate society,” we have clarified the social issues (CSR material issues) we should tackle and our targets in order to continue to take on challenges.



### Clean /Zero Emissions



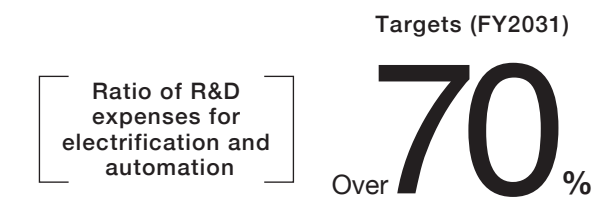
Mitigating global warming and achieving a circular economy through such initiatives as reducing CO<sub>2</sub> emissions and waste in our business activities and expanding the lineup of environmentally friendly products in our efforts to contribute to maintaining and improving the global environment over the long run.



### Creation of Innovative Value, Smart



Contributing to achieving a “smart” society and more enriched lifestyles by resolving social issues through technological advancement and innovation that create new value.



### Safe /Reliable, Comfortable



Contributing to creating a compassionate society by offering products and services that anticipate the needs of customers and various stakeholders and that are safe, reliable and comfortable to use while fulfilling our responsibilities as a member of society to thrive together.





Materials Handling Equipment



Automobile

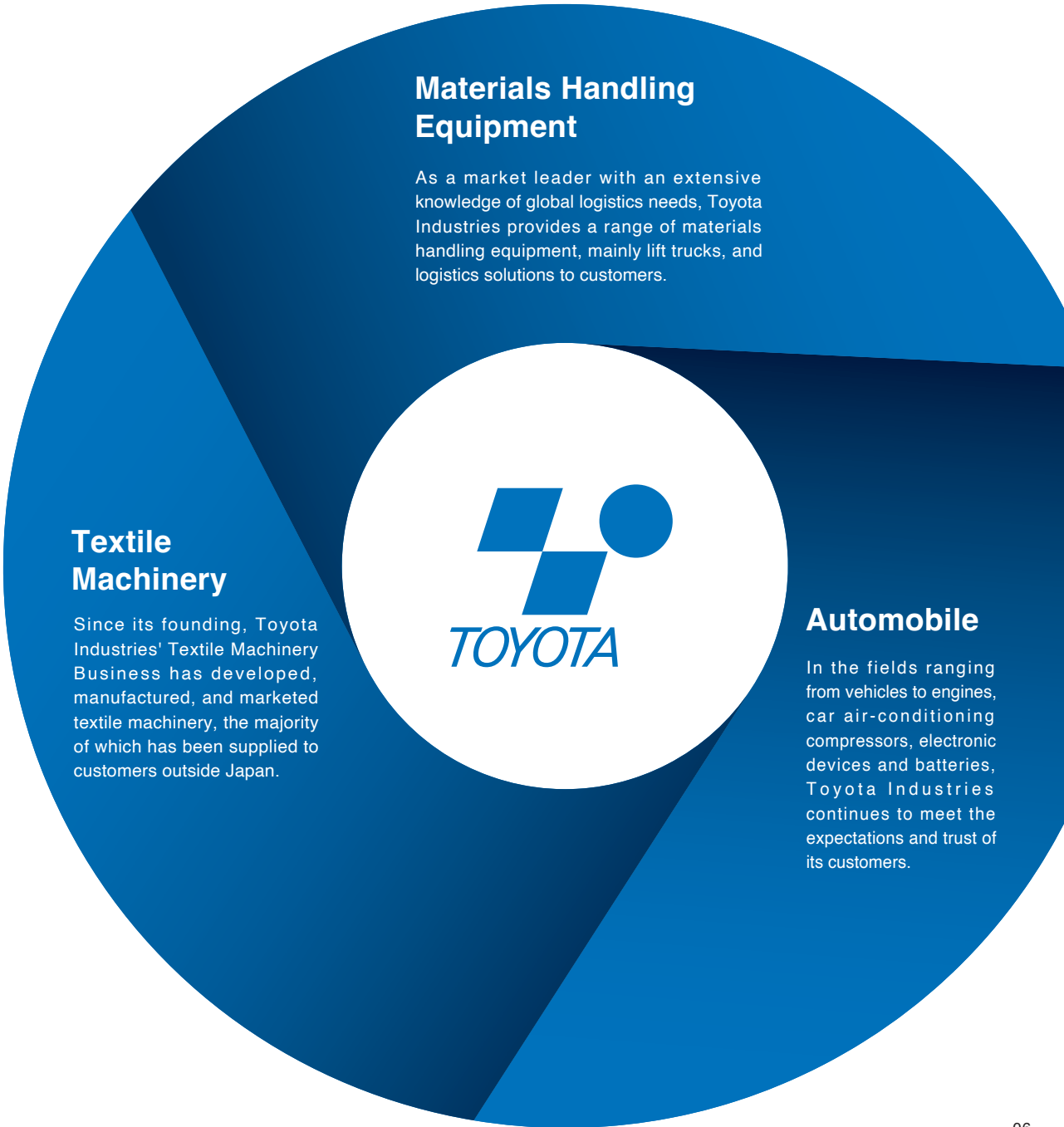


Textile Machinery

# Business Overview

### Three World-Leading Business Fields

Toyota Industries is expanding globally with the founding Textile Machinery Business as its base and the Automobile and Materials Handling Equipment/Logistics businesses as its two pillars. Using our resources and strengths as the foundation, we strive for growth in each of our businesses. At the same time, we aim to enhance our competitiveness by leveraging synergies among these businesses.



# Materials Handling Equipment

## Product Lineup that is Active in Various Logistics Scenes from Production Sites to Daily Life

Through a full range of products and abundant logistics know-how, we offer “optimal” solutions that meet the various on-site needs of customers and contribute to the greater efficiency of logistics.



## Business Outline

### Lift Trucks

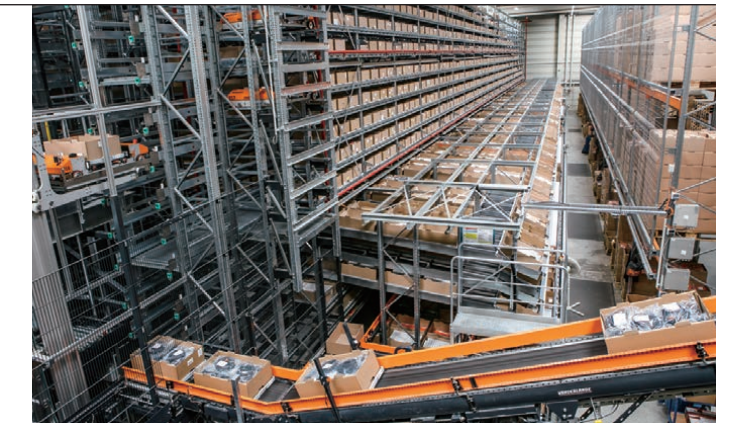
Toyota Industries plans, develops, produces, sells and provides after-sales services for industrial vehicles centered around lift trucks, which capture the top global market share\*. Together with sales financing and proposals for logistics efficiencies, we strive to meet a variety of customer needs.

\*Survey by Toyota Industries Corporation



### Logistics Solutions

Toyota Industries works closely with Bastian Solutions LLC, Vanderlande Industries Holding B.V. and viastore Intralogistics Holding GmbH by leveraging each company's strengths to helping to resolve logistics automation and other logistics issues through a combination of various logistics equipment and systems.



Products

Link to product details



**Manufacturing Sites, Distribution Centers, etc.**

We provide advanced logistics solutions that address issues surrounding logistics, such as carbon neutrality, and automation needs against a backdrop of labor shortage and increased distribution.



TOYOTA  
Electric Counterbalanced Lift Truck



TOYOTA  
Fuel Cell Lift Truck



TOYOTA  
Internal Combustion Counterbalanced Lift Truck



Raymond  
Order Picking Truck 5000 Series



TOYOTA  
Automated Storage and Retrieval System for Pallet Rack Sorter P



TOYOTA  
Simple AGV KEY CART



Bastian  
Loading and Unloading Robot ULTRA Blue™



VANDERLANDE  
Shuttle-Based Automated Storage and Retrieval System ADAPTO



VANDERLANDE  
Hanging Type High-Speed Sorting System Pocket Sorter



AICHI  
Truck-Mounted Aerial Work Platform SKYMASTER

**Seaport**

Large-scale cargo handling equipment used at seaports, such as large lift trucks and AGV systems that handle overseas containers, support seaport logistics.



TOYOTA  
Container Transport AGV System



TOYOTA  
Internal Combustion Large Counterbalanced Lift Truck



**Airport**

Toyota Industries Group's technology contributes to the smooth operation of airports around the world in various aspects such as check-in, conveying, storing, and sorting, from the moment baggage or cargo is checked in, loaded onto aircraft, and received at their destination.



VANDERLANDE  
Temporary Baggage Storage BAGSTORE



VANDERLANDE  
Baggage Reclaim Carousel



TOYOTA  
Electric Tow Tractor



VANDERLANDE  
Advanced Baggage Handling Solution FLEET



# Automobile

## Aiming for Carbon Neutrality in Both Product Development and Production Activities

In response to accelerating global electrification and rigorous environmental regulations, we are developing a wide range of businesses related to automobiles, from parts to complete vehicles.



### Business Outline

#### Vehicles

We are in charge of production and development of the Toyota RAV4, which is highly popular in Japan and overseas. In development, we are taking part in design and engineering and are working to create attractive cars.



RAV4

#### Engines

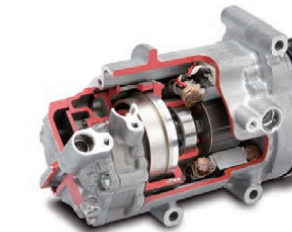
We develop and manufacture clean diesel engines that strike a balance between power performance and environmental performance, and turbochargers that play a significant role in the enhancement of engine performance. Toyota vehicles sold all around the world are equipped with these engines.



Diesel Engine  
1GD-FTV

#### Car Air-Conditioning Compressors

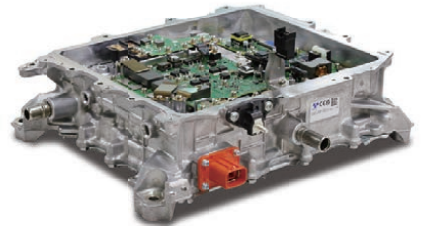
Toyota Industries' car air-conditioning compressors are highly acclaimed in terms of their reliability at high operating speeds and quiet operation in addition to such excellent environmental performance features as compactness, light weight and fuel efficiency. The Car Air-Conditioning Compressor Business captures the world-leading market share in unit sales\*.



Electric Compressor  
ESBG27

#### Electronic Equipment and Batteries

We play a role in the electrification of automobiles by developing and producing electronic components for hybrid electric vehicles (HEVs), battery electric vehicles (BEVs), and other electrified vehicles, as well as on-board batteries.



Integrated On-Board Charger and  
DC-DC Converter Unit

\*Survey by Toyota Industries Corporation

Products

Link to product details



Toyota Industries develops and manufactures automobiles and automobile-related products, such as vehicles, engines, car air-conditioning compressors, car electronics components and devices, and stamping dies.



Vehicles



RAV4

Batteries



Bipolar Nickel-Metal Hydride Battery for Hybrid Electric Vehicles

Electronic Equipment



Integrated On-Board Charger and DC-DC Converter Unit



DC-DC Converter

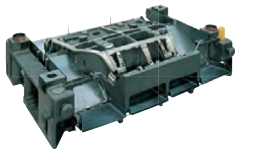


On-Board Charger



1500W DC-AC Inverter

Stamping Dies



Hood Outer Trim Die for Automobiles

Engines

● Diesel Engines for Automobiles



1GD-FTV  
Displacement: 2.8 liters  
used in the Land Cruiser Prado and Hiace



F33A-FTV  
Displacement: 3.3 liters  
used in the Land Cruiser 300

● Gasoline Engines for Automobiles



M20A-FKS  
Displacement: 2.0 liters  
used in the RAV4 and HARRIER



A25A-FKS  
Displacement: 2.5 liters  
used in the RAV4

● Gas / Gasoline Engines for Industrial Equipment



4Y  
Displacement: 2.2 liters  
used in lift trucks,  
and gas heat pumps



1FS  
Displacement: 3.7 liters  
used in lift trucks

● Turbochargers



Variable Geometry Turbocharger for the GD Diesel Engine

Car Air-Conditioning Compressors

● For HEVs / BEVs



ESB20  
Scroll Type



ESBG27  
Scroll Type



ESH34/41  
Scroll Type

● Belt Drive



10SRE13  
Swash-Plate,  
Fixed-Displacement Type



7SES17  
Swash-Plate, Externally  
Controlled, Variable Displacement,  
Clutchless Type

For Fuel Cell Electric Vehicles

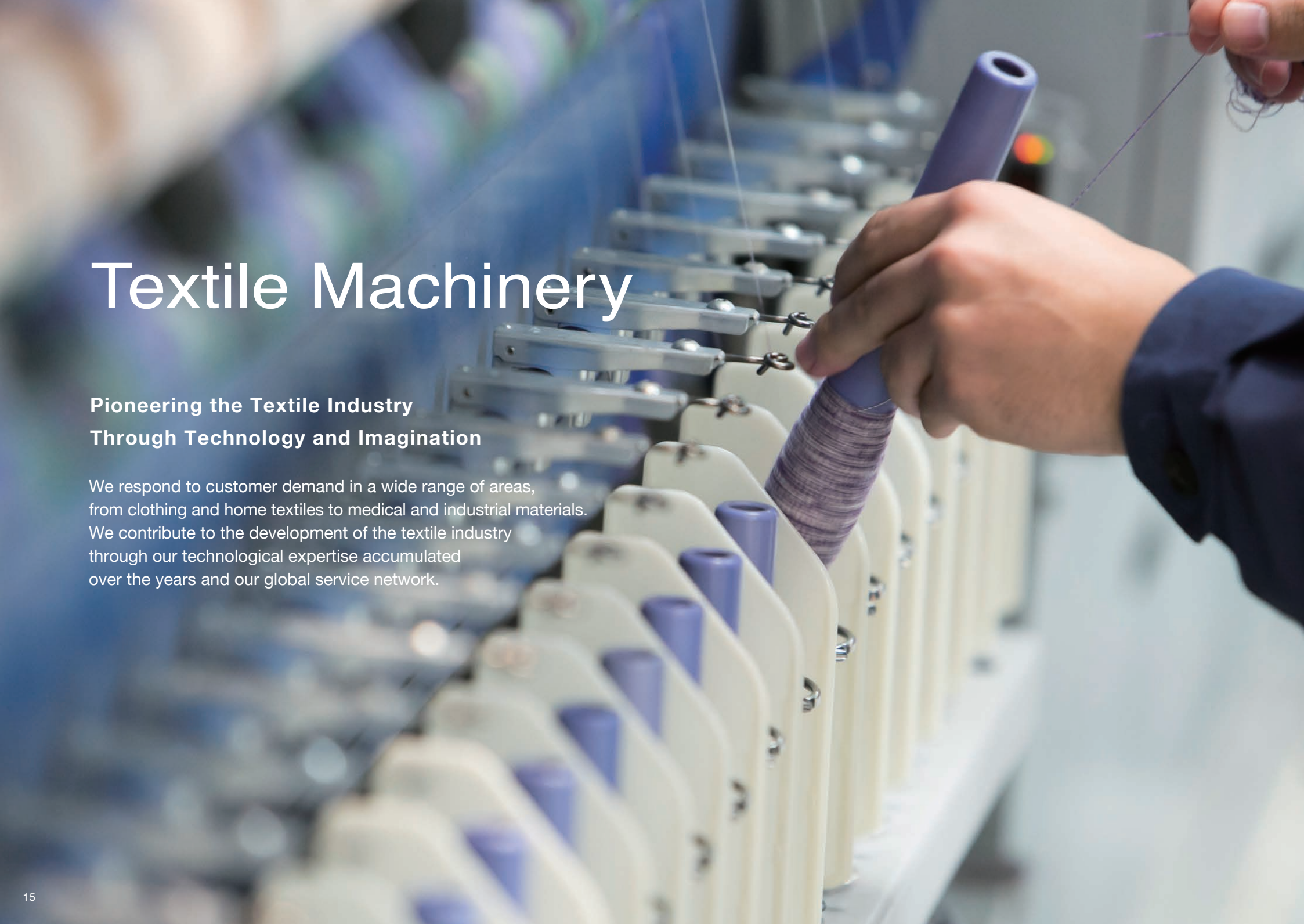


Hydrogen Circulation Pump  
used in the Mirai



Air Compressor  
used in the Mirai





# Textile Machinery

## Pioneering the Textile Industry Through Technology and Imagination

We respond to customer demand in a wide range of areas, from clothing and home textiles to medical and industrial materials. We contribute to the development of the textile industry through our technological expertise accumulated over the years and our global service network.

## Products

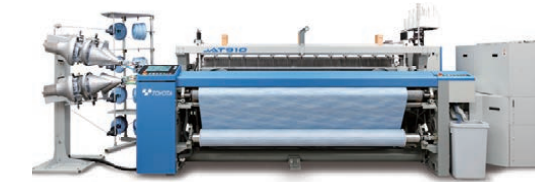
[Link to product details](#)



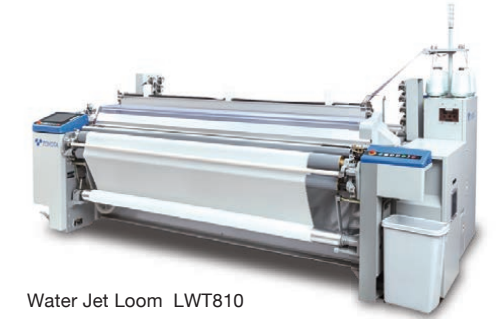
### Business Outline

#### Weaving Machinery

We provide high-speed/low-vibration technology, superior weaving capabilities, and environmental performance features, which have been received well by our customers. Toyota Factory Management System, which uses IoT technology, contributes to improving the productivity of weaving factories.



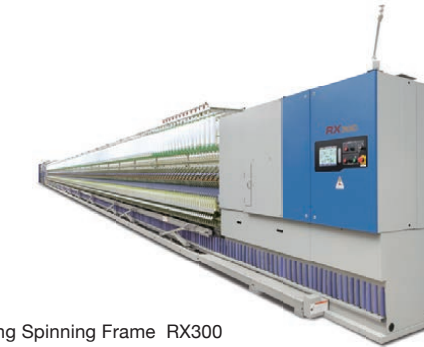
Air Jet Loom JAT910



Water Jet Loom LWT810

#### Spinning Machinery

With world-class versatility and reliability, our products receive high praise around the world for their ability to meet the various needs of customers, including environmental friendliness.



Ring Spinning Frame RX300



Roving Frame FL200

#### Quality Monitoring Solutions



USTER quality is the global standard for textile quality, from raw cotton to yarn and fabric.



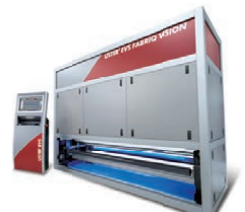
USTER® JOSSI VISION SHIELD  
Raw Cotton Contaminant Detection and Elimination System



USTER® TESTER 6  
The Yarn Inspection System



USTER® QUANTUM 4.0  
The Yarn Quality Assurance System



USTER® EVS FABRIQ VISION  
USTER® EVS FABRIQ SHADE  
Fabric Inspection

# History

**1890**  
 · Sakichi Toyoda invents Toyoda Wooden Hand Loom.

**1896**  
 · Sakichi Toyoda invents Toyoda Power Loom.

**1906**  
 · Sakichi Toyoda invents Circular Loom.

**1924**  
 · Sakichi Toyoda invents Toyoda Automatic Loom, Type G.

**1926**  
 · Toyoda Automatic Loom Works, Ltd. (now Toyota Industries Corporation) established.

**1929**  
 · Production starts on spinning frames.

**1935**  
 · Prototype of Model A1 passenger car completed.

**1937**  
 · Automobile Department separates and becomes Toyota Motor Co., Ltd. (now Toyota Motor Corporation).

**1939**  
 · Steel Production Department separates and becomes Toyota Steel Works, Ltd. (now Aichi Steel Corporation).

**1944**  
 · Obu Plant starts operations, producing casting components.

**1949**  
 · Company listed on Tokyo, Osaka, and Nagoya Stock Exchanges.

**1953**  
 · Production starts on automobile engines (S-type gasoline engine).  
 · Kyowa Plant starts operations, producing engines and assembling automobiles.

**1956**  
 · Production starts on lift trucks.

**1960**  
 · Production starts on car air-conditioning compressors.

**1967**  
 · Nagakusa Plant starts operations, producing small commercial vehicles.

**1970**  
 · Takahama Plant starts operations, producing industrial vehicles.

**1978**  
 · Production starts on the Toyota Starlet.

**1982**  
 · Hekinan Plant starts operations, producing automobile diesel engines.

**1986**  
 · Company awarded the Deming Application Prize for quality control implementation.

**1988**  
 · Toyota Industrial Equipment Mfg., Inc. (now Toyota Material Handling, Inc.) established in the U.S.A. to produce lift trucks.

**1989**  
 · Michigan Automotive Compressor, Inc. established in the U.S.A. to produce car air-conditioning compressors.

**1992**  
 · Production starts on automated storage and retrieval systems.

**1994**  
 · Toyota Industry (Kunshan) Co., Ltd. established in China to produce foundry parts.

**1995**  
 · Toyota Industrial Equipment, S.A. (now Toyota Material Handling Manufacturing France SAS) established in France to produce lift trucks.  
 · Kirloskar Toyota Textile Machinery Pvt. Ltd. established in India to produce textile machinery.

**1998**  
 · TD Deutsche Klimakompressor GmbH established in Germany to produce car air-conditioning compressors.

**2000**  
 · Company acquires BT Industries AB (now Toyota Material Handling Europe AB) of Sweden, a world-leading manufacturer of warehouse trucks.

**2001**  
 · Company takes over the Industrial Equipment Sales Division of Toyota Motor Corporation.  
 · Production starts on the Toyota RAV4.

**2002**  
 · Higashiura Plant starts operations, producing compressor parts.  
 · Higashichita Plant starts operations, producing foundry parts.

**2003**  
 · Company acquires Aichi Corporation.  
 · Production starts on ES18 electric compressors.

**2005**  
 · TD Automotive Compressor Kunshan Co., Ltd. established in China to produce car air-conditioning compressors.

**2004**  
 · TD Automotive Compressor Georgia, LLC established in the U.S.A. to produce car air-conditioning compressors.

**2007**  
 · Anjo Plant starts operations, producing electronic equipment.

**2012**  
 · Company acquires Uster Technologies AG, which produces and sells yarn quality measurement and cotton classing instruments.

**2014**  
 · Production starts on air compressors and hydrogen circulating pumps for fuel cell electric vehicles.

**2015**  
 · Toyota Industries Engine India Pvt. Ltd. established in India to produce diesel engines.

**2016**  
 · Sales begin for fuel-cell lift trucks.

**2017**  
 · Company acquires Bastian Solutions LLC of the U.S.A. and Vanderlande Industries Holding B.V. of the Netherlands in order to strengthen materials handling solutions business.

**2021**  
 · Production starts on automotive batteries.

**2022**  
 · Ishihama Plant starts operations, producing on-board batteries.

# Plants and Office in Japan



**Head Office / Kariya Plant**  
 Address: Kariya-shi, Aichi  
 Products: Textile machinery, car air-conditioning compressors



**Obu Plant**  
 Address: Obu-shi, Aichi  
 Products: Parts for car air-conditioning compressors



**Kyowa Plant**  
 Address: Obu-shi, Aichi  
 Products: Automotive press dies, production facilities, on-board batteries



**Nagakusa Plant**  
 Address: Obu-shi, Aichi  
 Products: Automobiles



**Takahama Plant**  
 Address: Takahama-shi, Aichi  
 Products: Industrial equipment, materials handling systems



**Hekinan Plant**  
 Address: Hekinan-shi, Aichi  
 Products: Engines for automobiles and industrial equipment, turbochargers



**Higashichita Plant**  
 Address: Handa-shi, Aichi  
 Products: Foundry parts, engines for automobiles, turbochargers



**Higashiura Plant**  
 Address: Higashiura-cho, Chita-gun, Aichi  
 Products: Parts for car air-conditioning compressors



**Anjo Plant**  
 Address: Anjo-shi, Aichi  
 Products: Electronic equipment, fuel cell vehicle components



**Ishihama Plant**  
 Address: Higashiura-cho, Chita-gun, Aichi  
 Products: On-board batteries



**Morioka Works**  
 Address: Higashiura-cho, Chita-gun, Aichi  
 Products: Automotive parts



**Tokyo Office**  
 Address: Marunouchi, Chiyoda-ku, Tokyo

# Global Network

## North America and Latin America

Materials Handling Equipment	Country	Company
	Canada	G.N. Johnston Equipment Co., Ltd. Toyota Industries Commercial Finance Canada, Inc.
	U.S.A.	Toyota Material Handling North America, Inc. Industrial Components and Attachments, Inc. Toyota Material Handling, Inc. The Raymond Corporation Raymond-Muscatine Inc. North Vernon Industry Corp. Indiana Hydraulic Equipment, Corp. Cascade Corporation Bastian Solutions, LLC Toyota Industries Commercial Finance, Inc.
	Brazil	Toyota Material Handling Mercosur Indústria e Comércio de Equipamentos Ltda
	Mexico	Toyota Industries Commercial Lease S.A.P.I. de C.V.

Automobile	Country	Company
	U.S.A.	Michigan Automotive Compressor, Inc. TD Automotive Compressor Georgia, LLC Toyota Industries Compressor Parts America, Co. Toyota Industries Electric Systems North America, Inc.
	U.S.A.	Toyota Textile Machinery, Inc.
	Brazil	Toyota Máquinas Têxteis Brasil Ltda
Others	U.S.A.	Toyota Industries North America, Inc. Toyota Industries Personnel Service of America, Inc.

## Europe

<b>Materials Handling Equipment</b>	Austria	Toyota Material Handling Austria GmbH	Netherlands	Toyota Material Handling Nederland B.V. Vanderlande Industries Holding B.V.
	Belgium	Toyota Material Handling Europe Brussels NV/SA Toyota Material Handling Belgium NV/SA	Norway	Toyota Material Handling Norway AS
	Czech Republic	Toyota Material Handling CZ s.r.o.	Poland	Toyota Material Handling Polska Sp. z o.o.
	Denmark	Toyota Material Handling Danmark A/S	Romania	Toyota Material Handling Romania s.r.l
	Finland	Toyota Material Handling Finland Oy	Slovakia	Toyota Material Handling Slovensko s.r.o.
	France	Toyota Material Handling Manufacturing France SAS Toyota Material Handling France SAS	Spain	Toyota Material Handling España, S.A.
	Germany	Toyota Material Handling Deutschland GmbH viastore Intralogistics Holding GmbH	Sweden	Toyota Industries Europe AB Toyota Material Handling Europe AB Toyota Material Handling Manufacturing Sweden AB Toyota Material Handling International AB Toyota Material Handling Sweden AB
	Greece	Toyota Material Handling Greece SA	Switzerland	Toyota Material Handling Schweiz AG
	Hungary	Toyota Material Handling Hungary Ltd.	U.K.	Toyota Material Handling UK Limited
	Italy	Toyota Material Handling Manufacturing Italy S.p.A. Toyota Material Handling Italia S.r.l.		
	Latvia	Toyota Material Handling Baltic SIA.		
<b>Automobile</b>	Germany	TD Deutsche Klimakompressor GmbH Toyota Industries Electric Systems Europe GmbH		
<b>Textile Machinery</b>	Switzerland	Uster Technologies AG Toyota Textile Machinery Europe, AG		
<b>Others</b>	Sweden	Toyota Industries Finance International AB		

## Asia and Oceania

<b>Materials Handling Equipment</b>	China	Tailift Machinery & Equipment (Qingdao) Co., Ltd. Toyota Material Handling (Shanghai) Co., Ltd.
	Taiwan	Tailift Material Handling Taiwan Co., Ltd.
	India	Toyota Material Handling India Pvt. Ltd.
	Thailand	Toyota Material Handling (Thailand) Co., Ltd.
	Vietnam	Toyota Industrial Equipment Vietnam Co., Ltd.
	Australia	Toyota Material Handling Australia Pty Limited

<b>Materials Handling Equipment and Automobile</b>	China	Toyota Industry (Kunshan) Co., Ltd.
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<b>Automobile</b>	China	TD Automotive Compressor Kunshan Co., Ltd. Yantai Shougang TD Automotive Compressor Co., Ltd.
	India	Toyota Industries Engine India Pvt. Ltd.
	Indonesia	P.T. TD Automotive Compressor Indonesia

<b>Textile Machinery</b>	China	Toyota Textile Machinery (Shanghai) Co., Ltd.
	India	Kirloskar Toyota Textile Machinery Pvt. Ltd.

<b>Others</b>	China	Toyota Industries Management (China) Co., Ltd.
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## Japan

Aichi Corporation  
 Advanced Logistics Solutions Co., Ltd.  
 Altex Co., Ltd.  
 IZUMI MACHINE MFG. Co., Ltd.  
 Iwama Loom Works, Ltd.  
 SKM Corporation  
 Sun Staff, Inc.  
 Sun Valley Inc.  
 Sun River Co., Ltd.  
 Shine's Co., Ltd.  
 Taikoh Transportation Co., Ltd.  
 Takeuchi Industrial Equipment Manufacturing Co., Ltd.  
 TI Mechatchno Corporation  
 Tokaiseiki Co., Ltd.  
 Tokyu Co., Ltd.  
 TOYOTA L&F Akita Co., Ltd.  
 TOYOTA L&F Kinki Co., Ltd.  
 TOYOTA L&F Shizuoka Co., Ltd.  
 TOYOTA L&F Tokyo Co., Ltd.  
 TOYOTA L&F Hyogo Co., Ltd.  
 TOYOTA L&F Fukui Co., Ltd.  
 TOYOTA L&F Fleet Lease Co., Ltd.  
 Toyota Industries IT Solutions Inc.  
 Toyota Industries Well Support Corporation  
 Nagao Kogyo Co., Ltd.  
 Nishina Industrial Co., Ltd.  
 Hakuai Nursing Villa Co., Ltd.  
 Haratechs Corporation  
 HANDA Casting Company  
 Miduho Industry Co., Ltd.  
 UMC Electronics Co., Ltd.  
 Unica Co., Ltd.



**Company Overview**

Company Name : Toyota Industries Corporation

Established : November 18, 1926

Head Office : 2-1, Toyoda-cho, Kariya-shi, Aichi 448-8671, Japan

Telephone : +81-566-22-2511

President : Koichi Ito

Major Business Fields : Manufacture and sales of textile machinery, materials handling equipment, automobiles, and automobile parts

Capital : ¥80.4 billion (as of March 31, 2023)

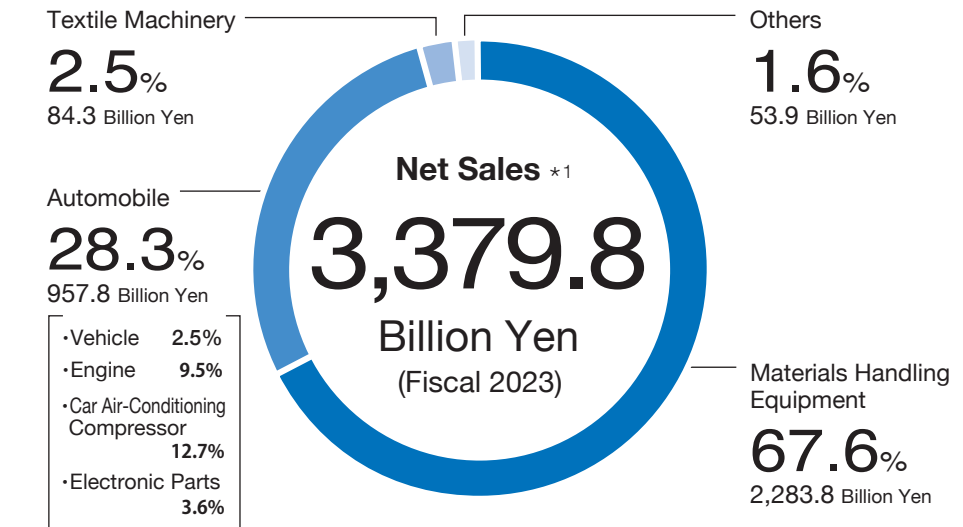
Employees : 74,887 (as of March 31, 2023)

Consolidated Subsidiaries : 271 (Japan: 35 Overseas: 236) (as of March 31, 2023)

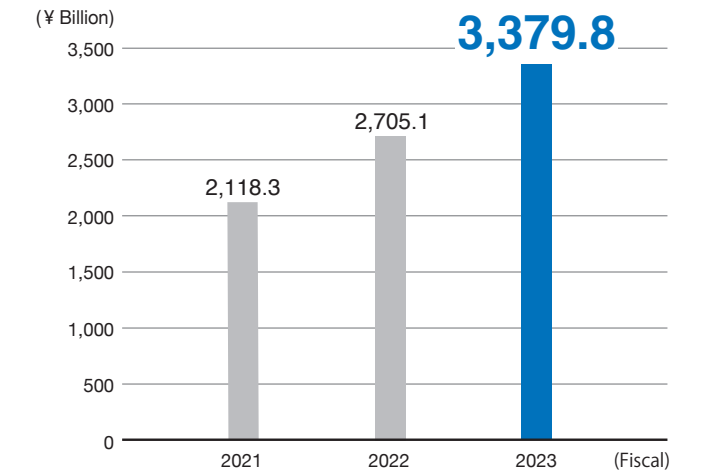
Affiliates Accounted for by the Equity Method : 18 (Japan: 10 Overseas: 8) (as of March 31, 2023)

**Summary of Consolidated Financial Results**  
(Fiscal 2023, ended March 31, 2023)

**Sales by Business Segment**



**Sales**



Operating Profit \*1  
¥ **169.9** Billion

Depreciation  
¥ **99.9** Billion

Profit before Income Taxes \*1  
¥ **262.9** Billion

Research and Development Expenses  
¥ **111.8** Billion

Profit \*1 \*2  
¥ **192.8** Billion

Cash Dividends Per Share  
**190**

Investments in Tangible Assets  
¥ **144.4** Billion

Total Assets  
¥ **7,821.1** Billion

Note: Business results are rounded down to the nearest 100 million.  
\*1: Figures are based on IFRS (International Financial Reporting Standards). \*2: Attributable to owners of the parent