

## GUIDED TOURS

Museum staff will accompany you on a guided tour of the exhibits. These tours are included in the museum admission fee. Tours are available for individuals, families, and small groups, with a maximum of 20 people per tour. (First-come-first-served, no advance bookings.) If you wish to participate, please ask at the exhibition hall entrance.

Tour Area	Textile Machinery Pavilion	Automobile Pavilion
Meeting Place	Exhibition Hall Entrance	Automobile Pavilion Entrance
Start Time	Japanese 10:00／13:30	Japanese 11:15／14:45
	English 14:00	English 15:15
Duration	45 minutes each	

Guided tour participants will receive an original card strap, which they are free to take home at the end of the tour.



## AUDIO GUIDE

Tour the museum at your own pace with our popular Audio tour app or Audio Guide handset. Both are available in six languages (Japanese, English, Chinese, Korean, Thai, and Vietnamese).

### Audio tour app

Download the exclusive app for free onto your smartphone.



### AUDIO GUIDE HANDSET HIRE (¥200 per handset)

If you would like to hire an Audio Guide Handset, please ask at the information desk.



## TECHNOLAND

Enjoy and learn through original play equipment that integrates the principles and mechanisms used in textile machinery and automobiles. Experience the fun of “making things” first hand.

\* General admission ticket is required.  
\* Children under elementary school age must be accompanied by an adult.  
\* For safety reasons, height and age restrictions apply to some of the equipment.  
\* At busy times, restrictions or time limits may be applied to the experiences.  
\* On weekends, public holidays and school holiday periods, numbered tickets will be distributed on the day and entry will be limited by numbers and period. For details, please ask at the staff desk.



## “Always Being Studios and Creative, Striving to Stay Ahead of the Times”



Founded as a joint operation of the Toyota Group companies, the Toyota Commemorative Museum of Industry and Technology was established on the site of the birthplace of the Toyota Group, where the head office and weaving and spinning factory of the former Toyoda Boshoku Corporation were once located.

Preserving and making use of the red-brick buildings, which are of great architectural historical significance, the museum exhibits the transformation of the technology used in textile machinery, one of the core industries that helped build modern Japan, and the evolving world of automobile engineering that continues to drive Japan's growth. Moving exhibits of real machinery and many and varied live demonstrations are used to convey the importance of the “spirit of being studios and creative” and “making things”.

### Toyota Group

Toyota Industries Corporation Toyota Motor Corporation Aichi Steel Corporation JTEKT CORPORATION

TOYOTA AUTO BODY CO.,LTD. Toyota Tsusho Corporation AISIN CORPORATION DENSO CORPORATION

TOYOTA BOSHOKU CORPORATION TOYOTA FUDOSAN CO.,LTD. TOYOTA CENTRAL R&D LABS, INC. Toyota Motor East Japan, Inc.

Toyoda Gosei Co., Ltd. Hino Motors, Ltd. Daihatsu Motor Co., Ltd. TOYOTA HOUSING CORPORATION

TOYOTA MOTOR KYUSHU, INC.

Museum Hours: 9:30 am to 5:00 pm (admission until 4:30 pm)

Closed: Every Monday (or the next day when Monday is a national holiday) and year-end/new-year's break

Admission Fees:	Category	Adults (industry/university/college students)	65 years and older	Junior and senior high-school students	Elementary-school students
	General	500 yen	300 yen	300 yen	200 yen
	General groups (30 persons or more)	400 yen	240 yen	240 yen	160 yen
	School field trips *1	250 yen	—	Free	Free
	Annual Pass *2	1,200 yen	700 yen	700 yen	500 yen

●Holders of a disabled persons' certificate or specified medical benefits certificate and one attendant: Free (Please present proof of age.)

\*1 Group-leading teachers are admitted free. \*2 Usable solely by the holder whose signature it bears.

### Access

By public transport:

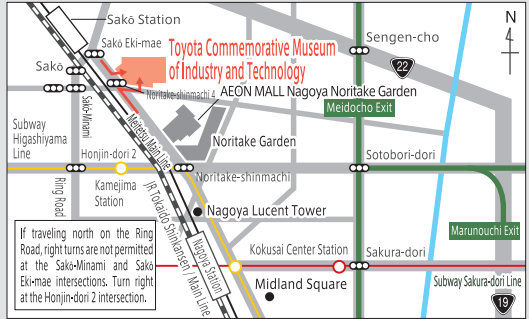
●Railway (Meitetsu): 3 minutes' walk from Sako Station on the Nagoya Line

●Me'guru Nagoya Sightseeing Route Bus: Board at Platform 11 of the Nagoya Station Bus Terminal

Alight at Toyota Commemorative Museum of Industry and Technology

●5 minutes by taxi from Nagoya Station

By car: 5 minutes from the Meidochi Exit or 10 minutes from the Marunouchi Exit on the Nagoya Expressway Free parking (220 passenger vehicles, 10 coaches)



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Please be aware of the following when touring the museum.

●Please do not cross the barriers or touch the exhibits. ●Please refrain from using tripods when taking photographs inside the museum, as it inconveniences other visitors. ●Please refrain from eating, drinking, or smoking inside the museum, and from bringing pets into the museum. ●Visitors who appear inebriated may be refused entry. ●Please keep a close eye on small children while touring the museum. ●For safety reasons, in cases of emergency such as a natural disaster, please comply with the instructions and directions of the museum staff. ●Please do not run inside the museum. ●Please refrain from any behavior that would inconvenience other visitors.

<Commemorate your visit to the museum by collecting a stamp!>

2022.07

## Live Demonstrations and Guided Tour Times

		9:30	10:00	11:00	12:00	13:00	14:00	15:00	16:00
1	Circular Loom	5 min.							
	Entrance Lobby	9:55		11:25		13:25		14:55	
	2	Steam Engine	5 min.		11:00			14:30	15:30
	3	Partner Robot Violin Performance	5 min.		11:10		13:20	14:40	15:40
	South Lobby								16:40
4	Metal Working Technologies	Casting	10 min.		11:30		14:20		
		Forging	10 min.						
		Cutting	10 min.						
5	Live TECHNO Show	15 min.							
		Automobile Pavilion (Weekends and public holidays only)		10:50					
				11:30			14:00		16:00
Guided Tours	Textile Machinery Pavilion (Japanese)	10:00				13:30			
	Automobile Pavilion (Japanese)			11:15			14:45		
	Textile Machinery Pavilion (English)					14:00			
	Automobile Pavilion (English)						15:15		

### Live Demonstrations (Regular)

#### 1 Circular Loom 5 min.

This symbolizes the "spirit of being studios and creative" that the museum communicates. It is the original loom invented in 1906 by Sakichi Toyoda, the founder of the Toyota Group, and it weaves fabric using a rotating circular motion.



Demo Times | 9:55 / 11:25 / 13:25 / 14:55

#### 4 Metal Working Technologies Casting 10 min.

Molten metal is poured into a metal (or sand) mold, where it hardens. This demonstration shows the casting of a small aluminum cylinder block.



Demo Times | 11:30 / 14:20

#### 2 Steam Engine 5 min.

This steam engine manufactured by Sulzer Brothers Co., Ltd. of Switzerland dates from the same period as one installed in 1914. It provided the power that drove development of industrial technology and played a major role in the modernization of Japan's industry.



Demo Times | 11:00 / 14:30 / 15:30

#### 4 Metal Working Technologies Forging 10 min.

Heated metal is pressed into a metal mold to form special shapes. This demonstration shows the forging of a miniature connecting rod.



Demo Times | 9:40~16:30(Every 10 minutes)

#### 3 Partner Robot Violin Performance 5 min.

This robot made its debut at the Japan Pavilion of the Shanghai Expo in 2010, before it started giving performances at this museum in June 2014. It is a bipedal partner robot whose delicate finger movements and arm movements enable it to play the violin just like a human.



Demo Times | 11:10 / 13:20 / 14:40 / 15:40 / 16:40

#### 4 Metal Working Technologies Cutting 10 min.

A milling machine and drill press are used to cut the flat surface of an aluminum cylinder block and to drill holes. Visitors will be given the chance to operate the machinery themselves.



Demo Times | 10:50 / 14:50

#### 5 Live TECHNO Show 15 min.

The principles and mechanisms used in textile machinery and automobiles, manufacturing methods, and other various programs are presented in a way that is easy for even children to understand, mixed with experiments and hands-on experiences.



Demo Times (weekends and public holidays only) | 11:30 / 14:00 / 16:00

### Live Demonstrations (On-demand)

#### ►Yarn-spinning

The work of spinning yarn from cotton using a spinning wheel is demonstrated.



#### ►Garabo Spinning Machine

A spinning machine created with original Japanese technology. This demonstration shows power-driven Garabo spinning powered by a waterwheel.



#### ►Type G Automatic Looms

The non-stop shuttle-change Toyoda automatic loom, type G, was completed in 1924 by Sakichi Toyoda, and achieved the highest performance in the world. This exhibit also demonstrates the loom's patented innovations.



#### ►Modern Loom

Watch fabric being woven in a complex pattern by an electronic jacquard airjet loom.



#### ►Modern Spinning Machinery

This is a display of a spinning machine of the 1950s that was modified using Western technologies. The demonstrator will explain each of the processes by which raw cotton is spun into yarn.



#### ►Forging Processes of the 1930s

Watch the forging processes of the 1930s and 1940s. In those days, each part was made individually by hand, requiring highly advanced skills and creativity by the technicians.



#### ►Toyoda Wooden Hand Loom

In 1890, Sakichi Toyoda invented a loom that could be easily operated with one hand. This improved productivity and quality and Sakichi obtained his first patent.



#### ►600-ton Press

Watch the Quick Die Change (QDC), which greatly reduced the time needed to change dies. This innovation made it possible to produce many different parts with a single machine.



## Toyota Commemorative Museum of Industry and Technology



Conveying the Importance of the  
“Spirit of Being Studios and Creative” and  
“Making Things” to Future Generations





# Toyota Commemorative Museum of Industry and Technology Map

## 1 Circular Loom

Symbol of the "spirit of being studious and creative"



## 2 Steam Engine

Steam engine that powered the industrial revolution



## 3 Partner Robot Violin Demonstration

Performance demonstrating delicate finger and arm movements



## 4 Metal Working Technologies

### Casting

Molten metal hardens in a metal mold



### Forging

Metal is pressed and formed using special tools



### Cutting

Metal is cut or shaved



## 5 Live TECHNO Show

Explanations combined with experiments and hands-on experiences



Scan the QR Code to watch videos of live demonstrations!

※QR Code is a registered trademark of DENSO WAVE INCORPORATED.

## TEXTILE MACHINERY PAVILION

4 Live Demonstration Metal Working Technologies

Casting

Forging

Cutting

Live Demonstration Type G Automatic Loom

Live Demonstration Modern Spinning Machinery

Live Demonstration Toyoda Hand Loom

Live Demonstration Garabo Spinning Machine

Live Demonstration Toyoda Power Loom

Live Demonstration Yarn-Spinning

The will of Sakichi Toyoda

Live Demonstration Modern Loom

Exhibition Hall Entrance Please present your entry ticket

Garden of Motive Power (Eating and drinking)

Hall C  
Hall B  
Hall A

Exhibition Hall Entrance Please present your entry ticket

Ticket Booth

Restaurant "Brick Age"

1 Live Demonstration Circular Loom

Me~guru Bus Stop

Front Entrance

Technoland Entrance Please present your entry ticket

Technoland

2 Live Demonstration Steam Engine

Main Auditorium

Museum Café

Museum Shop

Special Exhibition Hall

Live Demonstration Automatic Mounting of Engine and Chassis

Hands-on Exhibit Experience of Painting Training

Live Demonstration Automatic Top Coat Applicator

Who Was Kiichiro Toyoda?

5 Live Demonstration TECHNO Live Show

Live Demonstration 2,500-ton Automatic Forging Press

Live Demonstration Main Body Assembly Automatic Welder

Creative Workshop

Library

## AUTOMOBILE PAVILION (2F)

Live Demonstration Forging Processes of the 1930s

Hands-on Exhibit Experience of Welding Training

Live Demonstration 600-ton Press

Exhibition Hall Entrance Please present your entry ticket

## AUTOMOBILE PAVILION (1F)

To 1st Floor

Recommended Route

Textile Machinery Pavilion (45-minute course)

Automobile Pavilion (45-minute course)

Photography is permitted in all areas of the museum. Please refrain from using tripods, etc., as it inconveniences other visitors.

Restrooms

Nursing Room

Smoking Area

Parking

Multipurpose Restroom

Ostomate

Elevator

Bus Parking

Information

Vending Machines

Escalator

Café & Restaurant

AED (Defibrillator)

Coin Lockers

Prayer Room

Rest Area (Eating and drinking)