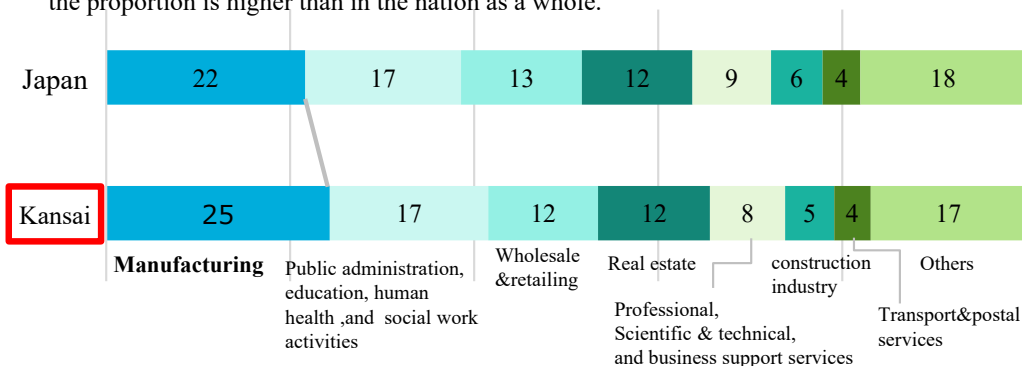


## 3-1 Diverse Industries in a Diverse Region

- Kansai is home to a diverse range of companies with world-class manufacturing expertise, where there is nothing that can't be made.

### Composition ratio (%) of Kansai's (nominal) GDP by industry

In Kansai, the manufacturing industry accounts for about a quarter of the region's economy, the proportion is higher than in the nation as a whole.



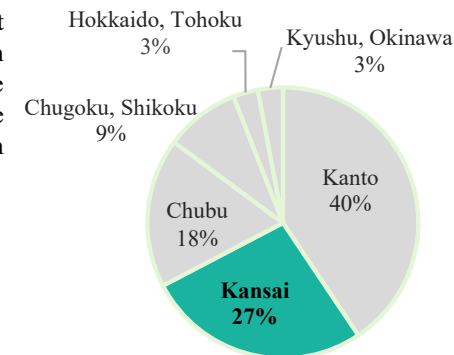
(Source) "Report on Prefectural Accounts (FY2021)", Cabinet Office

### Companies with high global share are concentrated in Kansai

Kansai is home to a large number of excellent companies, including those that have thrived in niche sectors of the global market and those dealing in parts and materials, which are becoming more important in the supply chain amid changes in the international situation.

In Kansai, there are many other small and medium-sized enterprises with internationally recognized technical capabilities, making it easy to find collaborative partners.

(Source) 2020 Global Niche Top Companies Selection 100 List by METI

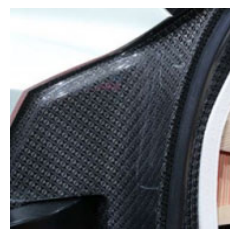


▲ Composition Ratio by Region of Global Niche Top Companies

### High Technology Backed by Traditional Skills



Nishijin-ori (Kyoto)



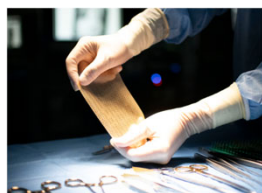
Fukuoka Weaving Co., Ltd.

Using traditional Nishijin weaving techniques, carbon fiber textiles are being developed under the brand name "Nishijin Carbon." These are applied in products such as interior items, bags, and automobiles.

<https://fukuoka-k.co.jp/en/>



Warp-knitted fabric (Fukui)



Fukui Tateami Co., Ltd.

Leveraging advanced knitting techniques in high-quality knit fabrics, a collaborative effort has led to the development of "Symforium," a heart repair patch for children with heart disease.

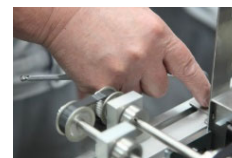
<http://www.fukutate.co.jp/en/>

### A network supporting manufacturing where there is nothing that can't be made

#### ■ Kyoto Shisaku Net

<https://kyoto-shisaku.com/en/>

Professional manufacturing groups support all stages, from design to mass production prototypes, using their expertise and creativity.



#### ■ Kyoto Makers Garage

<https://kyotomakersgarage.com/en/>

Here, anyone can easily turn their ideas into reality, with services such as production outsourcing and manufacturing consultations also available.



#### ■ Tech Plaza HIGASHIOSAKA <https://www.techplaza.city.higashiosaka.osaka.jp/>

A business matching service that supports prototype creation, processing requests, and parts procurement.



## 3-2 University/Research Institute Clusters

- Kansai is home to many excellent universities and research institutions, forming unique research and development hubs.
- Numerous "Regional Open Innovation Hubs" serve as centers for industry-academia-government collaboration, where joint research is actively progressing.

### Main research and development bases and overseas institutions under industry university cooperation in Kyoto , Osaka , Hyogo-Kobe

#### 【Saito (International Culture Park) 】 ＜Life Science Park＞

- National Institutes of Biomedical Innovation, Health and Nutrition/NIBIOHN
- Bio-Incubator (in cooperation with Osaka University, etc.)
- Japanese Red Cross Kinki Block Blood Center
- Various companies' R&D facilities

Osaka Metropolitan  
University

Osaka  
University

Kobe  
University

Kyoto University of  
Advanced Science

Fukui  
University

Shiga  
University

Ritsumeikan  
University

Kyoto  
University

Ryukoku  
University



(Source) The Keihanna Science City

#### 【The Keihanna Science City】 ＜City of knowledge creation that is paving the way to the future＞

- Cluster of over 150 public and corporate research institutes
- Research Institute of Innovative Technology for the Earth/ RITE
  - Advanced Telecommunications Research Institute International/ ATR
  - National Institute of Information and Communications Technology/ NICT
  - The National Institutes for Quantum Science and Technology/ QST

#### 【Kobe Medical Industry Development Project】 ＜Largest Class Medical Bio Cluster in Japan＞

- Cluster of approx. 350 state-of-the-art medical research institutes, advanced specialty hospitals, companies, and universities
- RIKEN, supercomputer Fugaku



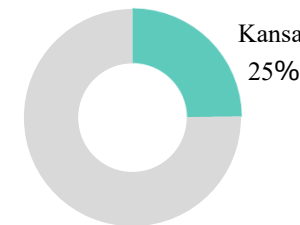
supercomputer Fugaku ©RIKEN

- : Regional open-innovation hubs (International expansion type)
- : Regional open-innovation hubs (regional contribution type)
- : Program for Forming Japan's Peak Research Universities (J-PEAKS) Selected Universities

### Industry-University joint research amount

In terms of monetary amount, 25% of industry-university joint research throughout Japan is conducted in Kansai, and the amount of money received per research project is larger than the national average.

INDUSTRY – UNIVERSITY JOINT RESEARCH  
ACROSS THE NATION (VALUE-BASIS)



The amount of money received per research project

Kansai	4,113
Japan	3,226

(thousand yen)

(Source) "Implementation status of industry-university cooperation and performance of joint research (on an institution-by-institution basis)" Ministry of Education, Culture, Sports, Science and Technology (FY2022)



#### Nobel Prize Winners from Universities in Kansai

Akira Yoshino (Chemistry 2019)  
Tasuku Honjo (Physiology or Medicine 2018)  
Akasaki Isamu (Physics 2014)  
Shinya Yamanaka (Physiology or Medicine 2012)  
Hideki Yukawa (Physics 1949)

(Source) Excerpt from the list of Nobel Prize winners from Japan, Kyoto University

### Startup Ecosystem Hub by Industry, Government, Academia, and Finance

Kansai's universities, economic organizations, financial institutions, and local governments are collaborating on various projects, combining the power of all Kansai. These efforts aim to foster university-based startup ecosystems and create "Zebra startups" that address local social issues through sustainable growth.

Kansai Innovation Initiative  
関西イノベーションイニシアティブ

