



JAPAN POWDER  
METALLURGY ASSOCIATION

2025

# JPMA Annual Report

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Year ended December 31, 2025

## Executive Director Report

Dear friends,

We would like to express our sincere gratitude to everyone who supports JPMA's activities.

In 2025, to mark the 70th anniversary of the Japan Powder Metallurgy Association in 2026, we carried out a renewal of our website. In addition, although details are omitted here, we were pleased to successfully hold the commemorative ceremony together with the New Year's reception in January 2026. We would like to extend again our sincere gratitude to everyone involved, including members of APMA, EPMA, and MPIF, who sent us heartfelt congratulatory video messages, for their long-standing support of our organization.

In 2025, the global economy maintained moderate growth; however, uncertainty persisted due to the impact of U.S. tariff policies and the rising geopolitical risks in various regions.

The Japanese economy continued on a moderate recovery path, driven mainly by domestic demand, supported by continued wage increases and the recovery of inbound tourism. On the other hand, the prolonged depreciation of the yen, persistently high resource prices, as well as changes in the trade environment and heightened international tensions, acted as downward pressures on the economy.

The "Powder Metallurgy Technology Innovation Project," launched jointly with JSPM, has continued its activities with its secretariat located at the Japan Research and Development Center for Metals (JRCM). However, in order to further promote discussions with academic researchers, including those from universities, the project's base of operations will be transferred to JSPM in April 2026.

Although the pace of electrification in the automotive sector has slowed somewhat, it remains essential for the powder metallurgy industry to advance environmental initiatives, including CO<sub>2</sub> reduction, in order to ensure its sustainability. We will continue to promote initiatives that contribute to industry–government–academia collaboration, including recycling and remanufacturing technologies, as well as the development of human resources.

[2025 Topics] The JPMA Awards, established in 1979, celebrated its 47th anniversary this year. The new product awards are one New Design Award, two New Process Design Awards, one New Powder Award, and one Effort Award.

Major events included the 2025 New Year's Greetings Gathering and the 2024 Awards Ceremony (January), the JPMA General Meeting (May), and the Autumn General Meeting (November).

Human resource development activities are an important focus of the organization. The 3rd MIM Seminar (Beginner Course) was held, and many participants attended the basic knowledge course and the improvement cases course. Also, the 4th Powder Metallurgy Basic Course was held, contributing to the basic education of employees with little experience. As for exchanges with overseas, we attended the "19th APMA Board of Directors" during the APMA2025 in October to discuss the schedule of the international conferences held in Asia and future APMA president.

[Japan's Automobile and Powder Metallurgy Production in 2025] Compared to 2024, domestic production of automobiles (including buses and trucks) increased 2.1% to 7.99 million units (Japan Automobile Manufacturers Association), and domestic sales decreased 3.2% to 4.17 million units, resulting in an increase in both domestic production and sales.

\*For statistical data on powder metallurgy production, please refer to page 9.

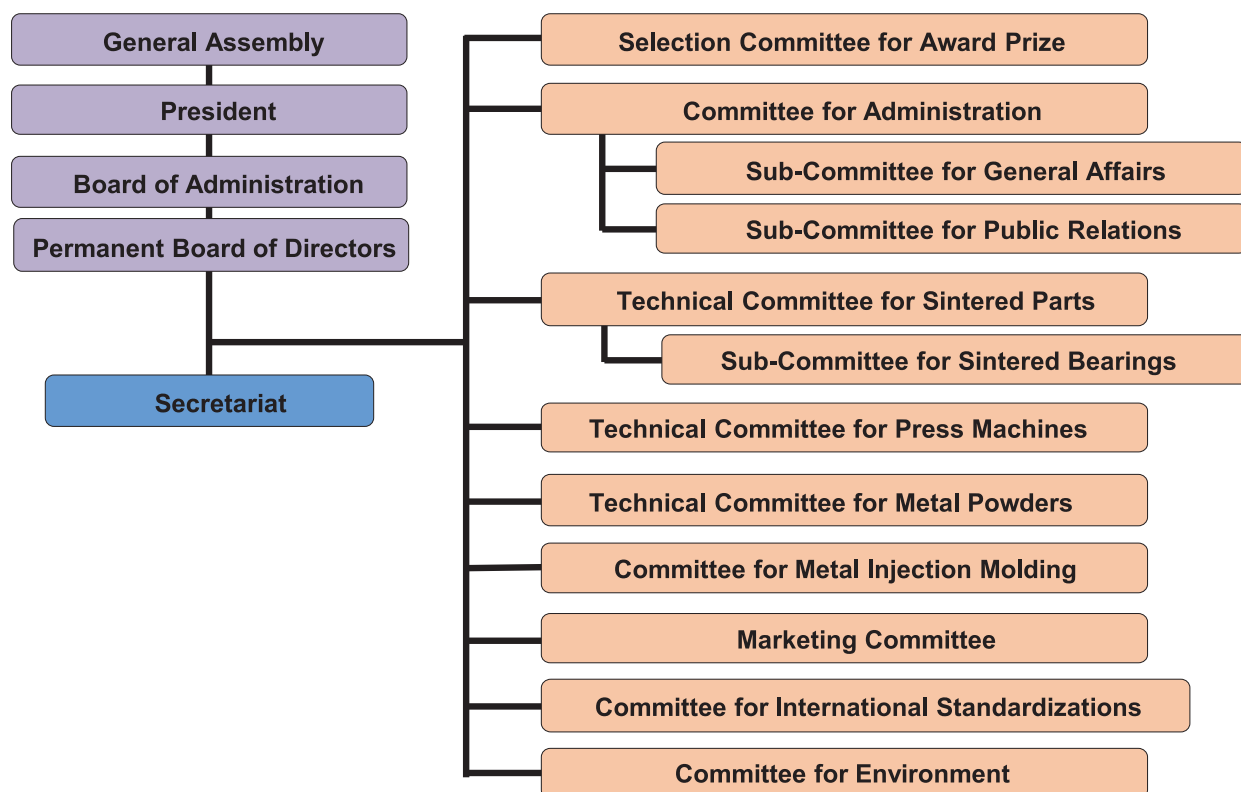
JPMA is a collaboration between member companies engaged in real manufacturing, and is vigorously promoting activities to further develop the powder metallurgy industry, such as promoting PM technology development, responding to carbon neutrality, and developing human resources, as well as collaborating with the global PM industry.

We sincerely thank the Ministry of Economy, Trade and Industry, related organizations in Japan, and our international partners, including APMA, MPIF, and EPMA, for their continued support. We look forward to your ongoing cooperation with JPMA.



Tetsuya Sawayama,  
Executive Director

## Organization of JPMA



## Board Members

### President

☐ Mr. Shuzo Sonoda

President

FUKUDA METAL FOIL & POWDER CO., LTD.



### Executive Director

□Mr. Tetsuya Sawayama

Japan Powder Metallurgy Association

### Permanent Board Members

□Mr. Shintaro Inoue

Sumitomo Electric Industries, Ltd.

□Mr. Hiroshi Ii

DIAMET CORPORATION

□Mr. Toshiya Yamaguchi

FINE SINTER CO., LTD.

□Mr. Masashi Kikuchi

PORITE CORPORATION

□Mr. Satoshi Nimura

KOBE STEEL, LTD.

□Mr. Shoei Katano

Höganäs Japan K.K.

### Board Members

□Mr. Junichi Takahashi

IWAKI DIECAST Co., Ltd.

□Mr. Tsuyoshi Takeda

NTN Advanced Materials Corporation

□Mr. Takashi Suzuki

NAPAC CO., LTD.

□Mr. Kentaro Akanuma

FUKUI SINTER CO., LTD.

□Mr. Shigeru Unami

JFE Steel Corporation

□Mr. Tetsuhiro Nagatani

Daido Steel Co., Ltd.

□Mr. Kenji Nishiguchi

Dowa Electronics Materials Co., Ltd.

□Mr. Jiro Bando

Nippon Atomized Metal Powders Corporation

### Auditor

□Mr. Seiji Shimizu

NTN Advanced Materials Corporation

□Mr. Norihiro Ogawa

Daido Steel Co., Ltd.

## JPMA Secretariat

□Mr. Yusuke Watanuki (Deputy Secretary General)

General Assembly, Technical Committees, Events, Web, Publication

□Ms. Tokie Sakamoto (Assistant section chief)

Accountant and General affairs

□Ms. Naomi Enomoto (Staff)

Statistics, Events, General affairs

## Activities of Committees

### Selection Committee for Award Prize

Number of Committee Members: 14 persons



**Chairman**  
**Mr. Hiroshi Ii**  
(DIAMET CORPORATION)  
New Chairman

\*Selection Committee for JPMA Award.



Process Development

Development of Soft Magnetic Composites Core with Ultra-thin, High-withstand-voltage Insulation Coating to Enhance the Motor Performance  
SUMITOMO ELECTRIC INDUSTRIES, LTD.

### Committee for Administration

Number of Committee Members: 18 persons

#### Sub-Committee for General Affairs

Number of Committee Members: 8 persons



**Chairman:**  
**Mr. Koji Hashimoto**  
(PORITE CORPORATION)  
Commission from 2024

\*Planning and operating of “PM information Exchange Meeting” in March.

\*Publication of the report “Analysis of investigation results of sintered parts demand structure 2024” in June.

\*Edition of the Brochure “2024 JPMA Annual Report (English)” in May and “2024 JPMA Annual Report (Japanese)” in July.

\*Planning and operating of the PR meeting “JPMA Awards Special Session” at JSPM Spring in May.

\*Planning and operating of “27th Metal Powder and Equipment PR Meeting” and “42th Case Studies on Improving Production Efficiency Online Meeting” in November.

### Sub-Committee for Public Relations

Number of Committee Members: 8 persons



**Chairman:**  
**Mr. Toshitaka Masumoto**  
(FUKUDA METAL  
FOIL & POWDER CO., LTD.)  
Commission from 2024

\*Planning and operating of “13th Human resources development seminar” in July.

\*Publication of JPMA News “Funmatsu Yakin” (No421-424).

\*Planning and operating of “4th PM Education Basic Course” in September.

\*Promotion and Participation in APMA 2025, Qingdao.

\*Full Website Renewal – 70th Anniversary Project.

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### Technical Committee for Sintered Parts

Number of Committee Members: 8 persons



**Chairman**  
**Mr. Toshihiko Mouri**  
(NTN Advanced Materials  
Corporation)  
Commission from 2024

- \*Discussion of the matter for ISO/TC119, SC3 and SC5.
  - \*Deliberation on the standardization of surface roughness measurement.
  - \*Revision of JIS Z 2550 and JPMA M 04.
  - \*Launched the "Initiatives for CO<sub>2</sub> Reduction and a Sustainable Society" section on website.
- 

### Sub-Committee for Sintered Bearings

Number of Committee Members: 3 persons



**Chairman**  
**Mr. Shinobu Aso**  
(PORITE CORPORATION)  
Commission from 2024

- \*Deliberation of standardization of the full filling rate.
  - \*Website Update for application example of Sintered Bearings.
  - \*Deliberation of Website Update for electrification example of Sintered Bearings. (Electrification)
- 

### Technical Committee for Press Machines

Number of Committee Members: 5 persons



**Chairman**  
**Mr. Shigehisa Miyagawa**  
(MITSUBISHI MATERIALS  
TECHNO CORPORATION)  
Commission from 2024

- \*Exchange on Information for defect cases of Press.
  - \*Introduction for function of Press Machines.
  - \*Exchange on Information for newfangled Press Machines.
  - \*Deliberation of Energy saving of Press Machines. (Carbon-neutral)
- 

### Technical Committee for Metal Powders

Number of Committee Members: 13 persons



**Chairman**  
**Dr. Yoichiro Shinpo**  
(FUKUDA METAL  
FOIL & POWDER CO., LTD.)  
Commission from 2024

- \*Discussion of matters for ISO/TC119, SC2 and SC5.
  - \*Issue of Technical Report: Method for Metal Powder Flowability Evaluation with Die Filling Testing Devices.
  - \*Introduction of carbon neutral activity from member companies.
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## Committee for Metal Injection Molding

Number of Committee Members: 14 persons



**Chairman**  
**Mr. Hirofumi Terada**  
(Hamamatsu Metal  
Works Co., Ltd.)  
Commission from 2024

- \*Investigation of the Japanese MIM market.
- \*Advertisement in PIM International.
- \*Planning and operating of "3rd MIM Seminar – Basic level".
- \*Conducting a CO<sub>2</sub> Emissions Survey for a MIM Manufacturing Company.

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## Marketing Committee

Number of Committee Members: 13 persons



**Chairman**  
**Mr. Susumu Kameda**  
(PORITE CORPORATION)  
Commission from 2024

- \*Collecting information from other industries and investigating PM alternatives. (Electrification)

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## Committee for International Standardizations

Number of Committee Members: 6 persons



**Chairman**  
**Mr. Yuji Maeda**  
(FINE SINTER CO., LTD.)  
Commission from 2022

- \*Attendance of the 2025 ISO/TC119 Meeting at Glasgow.
- \*Discussion of related matters for TC119, SC2, SC3 and SC5.
- \*Update and share the latest information on related standards.
- \*Improvement of GPMD awareness and adoption.

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## Committee for Environment

Number of Committee Members: 4 persons



**Chairman**  
**Mr. Kazushige Nasu**  
(PORITE CORPORATION)  
Commission from 2024

- \*Investigation of 2024 follow-up survey for "Voluntary Action Plan for Environment of PM Industry".
  - \*Introduction of Case Studies of "CO<sub>2</sub> Emissions Reduction", "Waste Product Reduction" and "KANKYO HIYARI".
  - \*Selection of the "Environment Awards".
  - \*Introduction of carbon neutral activity from member companies. (Carbon-neutral)
-

## Events and International Communications

### 17, January

Gathering of 2025 New Year Greeting and Ceremony of Awarding Various Honors in 2024.

### 6, March

3rd MIM Seminar – Basic Course.

### 14, March

The 20th PM Information Exchange Meeting.

### 28-30, May

JPMA Special Session at the JSPM Spring Meeting.

### 23, May

2025 JPMA General Assembly.

The 2025 Activity Plans and Budget of JPMA.

### 12, June

Tour of Committee for Administration.

Kobayashi Industry Co., Ltd.

### 4, July

13th Human resources development seminar.

### 9, 16, September

4th P/M Education Basic Course. (Online)

### 17-19, September

ISO/TC119/2025 Meeting at Glasgow, Scotland.

5 representatives (including 2 representatives joining online) of JPMA took part in this meeting for ISO/TC119, SC2, SC3 and SC5.

### 19-22, October

APMA2025 Qingdao, China.

### 21, October

19th APMA Board Meeting.

### 13, November

2025 JPMA Fall General Assembly.

Announcement of 2025 JPMA Awards.

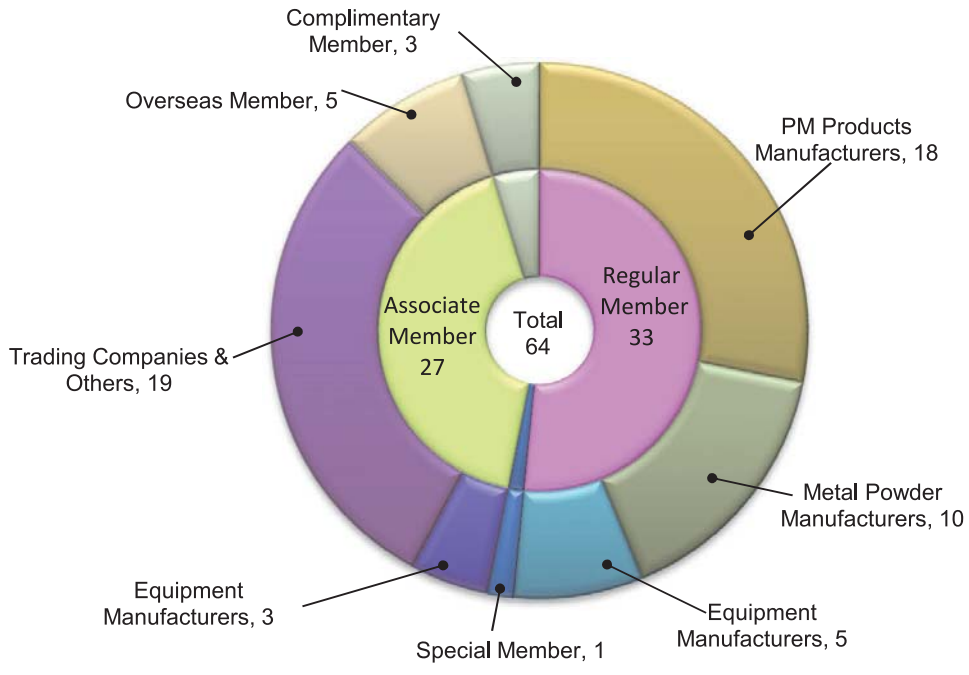
## JPMA Publications

The 46th Investigation Collection Results of Sintered Parts Demand Structure.

JPMA Report, 2024 (English and Japanese).

JPMA News “Funmatsu Yakin” (No421-424).

**JPMA Membership**



**2025 New Members**

**Regular Member**

**Heiwa Sangyo Co., Ltd.**



**平和産業株式会社**  
HEIWA SANGYO CO., LTD.

**Special Member**

**Yamada Manufacturing Co., Ltd.**



## Statistics of Japan

### Production of PM Products in Japan

Fig.1 shows the production volume trend of Machine Parts and Bearings for the period from 2016 through 2025.

In 2025, Machine Parts volume was 59,275 ton, 1.2% decrease from the previous year. Bearings volume was 3,963 ton, 0.4% decrease from the previous year.

As the other products, Friction Materials volume was 689 ton, 8.3% decrease from the previous year. Electric Contacts volume was 62 ton, 19.2% increase from the previous year.



Fig.1 Production of Machine Parts and Bearings (Calendar Year) (Source: METI)

### Machine Parts, Bearings and MIM Parts

Fig.2 shows the breakdown of demand trend for Machine Parts and Bearings for the period from 2016 through 2025.

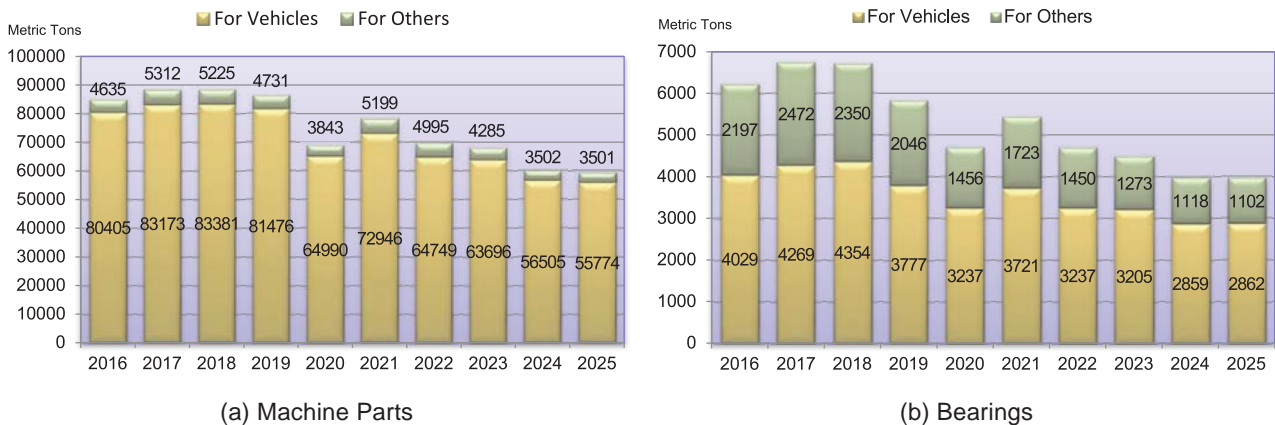


Fig.2 Breakdown of Demand for Machine Parts and Bearings (Calendar Year) (Source: METI)

In 2025 Machine Parts production volume for Vehicles was 55,774 ton, 1.3% decrease from the previous year.

Production volume remains largely flat; however, changes are evident in the composition of demand, including end-use applications. Internal combustion engine components are declining, while HV-related components, electric auxiliary components, and magnetic components are expanding.

Looking ahead, with the slowdown in EV adoption, production levels are expected to remain roughly in line with FY2025. However, due to changes in the demand structure, as well as the impact of tariffs and geopolitical issues, the outlook remains difficult to predict.

In the industrial machinery sector, fluctuations are observed depending on the applications; however, overall production appears to have bottomed out and is showing a slight upward trend.

In the electrical machinery sector, production has fluctuated due to inventory adjustments. While there is potential for demand growth in certain segments going forward, it is expected that the long-term downward trend will remain unchanged.

The production volume of Bearings for Vehicles was 2,862 ton, 0.1% increase from the previous year.

Overall production volume remained flat. Although demand for electric components increased, this growth was offset by declines resulting from customers' inventory adjustments.

In the industrial machinery sector, orders declined in the first half of the year due to the impact of tariffs; however, a recovery in demand for construction machinery in the second half led to overall flat growth.

Meanwhile, in the electrical machinery sector, production of fan motors increased. However, the shift of production overseas continues for products except those with high functionality and high performance.

Fig.3 shows the use breakdown of Machine Parts and Bearings in vehicle in 2024 based on the demand structure survey by JPMA.

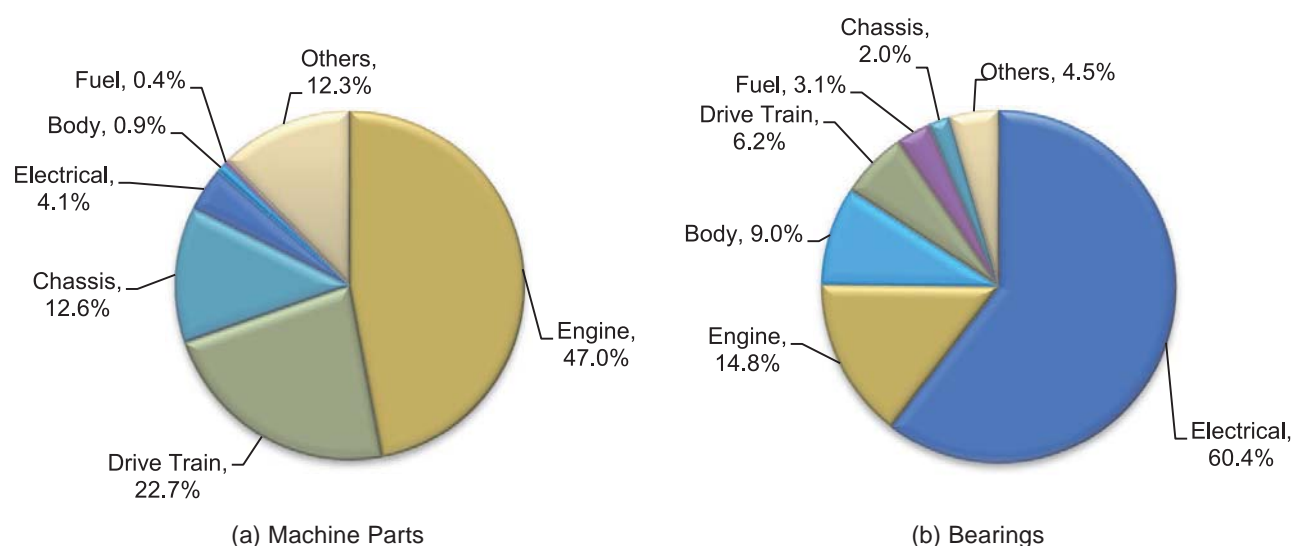


Fig.3 Breakdown of Machine Parts and Bearings for Vehicle (2024) (Source: JPMA)

Fig.4 shows the weight of sintered parts trend calculated for one car and the vehicle production in Japan for the period from 2015 through 2024.

The weight of sintered parts calculated for one car in 2024 was 7.1kg in Japan, 14.8kg in U.S. and 8.4kg in Europe.

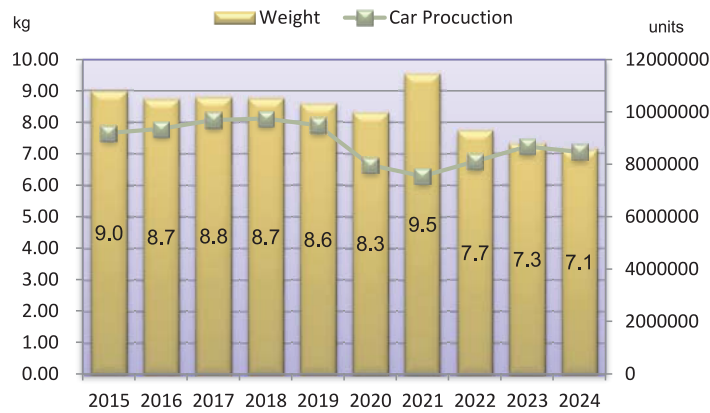


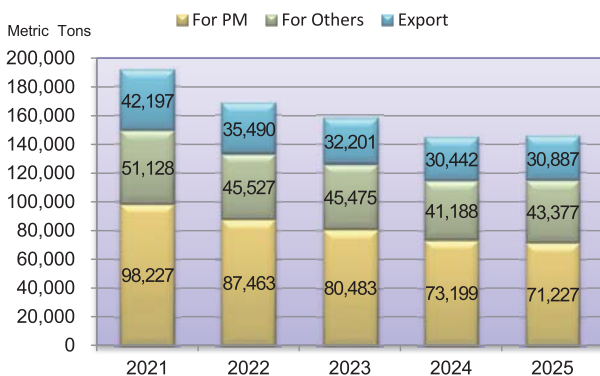
Fig.4 Weight for sintered parts calculated for one car (Source JPMA and JAMA)

### Production of PM Powders in Japan

Fig.5 shows the Shipment of Iron and Copper Powders for the period from 2021 through 2025, and Shipment of Other Powders for the period from 2020 through 2024.

Along with a decrease in the demand for Machine Parts, that for Iron Powders was decreased similarly. Meanwhile, copper powder production was decreased by 16.6% overall, primarily due to the exit of a manufacturer from the market. Given that production levels for bearings, a major consumer of copper powder, remained stable, it is inferred that the domestic supply shortfall was offset by increased procurement from overseas suppliers.

Stainless steel powder production was 10.4% decrease from the previous year, while MIM (Metal Injection Molding) powder saw an increase of 18.8%. Demand for MIM recovery was driven by the automotive and motorcycle sectors, which had previously been on a downward trend. In the industrial equipment sector, demand is currently declining due to the economic slowdown in China. However, we anticipate future growth in this segment, fueled by robust demand particularly in the semiconductor industry.



(a) Iron Powders (Calendar Year)



(b) Copper Powders (Calendar Year)



(c) Other Powders (Fiscal Year)

Fig.5 Shipment of Metal Powders (Source JPMA)

## JPMA Awards

### Personal Prize

Mr. Yoshio Uetsuki

JAPAN POWDER METALLURGY ASSOCIATION

2019-2025

Former Executive Director



### Development Prize

New Design

Sintered spur gear for EV cooling module using high-airtightness heat-treated material



DIAMET CORPORATION

### Process Development

Development of Soft Magnetic Composites Core with Ultra-thin, High-withstand-voltage Insulation Coating to Enhance the Motor Performance



SUMITOMO ELECTRIC INDUSTRIES, LTD.

Development of a Labor - Saving Production Line for Sintered Brazing Carriers



SUMITOMO ELECTRIC INDUSTRIES, LTD.

### New Powders

Nickel-free low alloy steel powder realizing the production of high-strength sintered components



JFE Steel Corporation

### Effort Prize

Sintered Guide Bushings for Electric Capacity Control Valves (ECV) in Automotive Air Conditioning Compressors



Porite Corporation

## Prize for Distinguished Service of the Committee Activities

Mr. Kenichi Kato

DIAMET CORPORATION

2016-2025

Chairman and member of Technical Committee for Sintered Parts

Member of Sub-Committee for Sintered Bearings

Member of Technical Committee for Metal Powders

Member of Committee for International Standardizations

Member of Selection Committee for Award Prize



Mr. Takeshi Yamamoto

Former FINE SINTER CO., LTD.

2004-2012, 2023-2025

Member of Committee for Administration

Member of Sub-Committee for General Affairs

Member of Sub-Committee for Public Relations

Member of Technical Committee for Sintered Parts

Member of Committee for Metal Injection Molding

Member of Selection Committee for Award Prize



## Recognition of Superior Employees

2025 prizewinner numbered 13 persons

(10 member companies)

## Environment Prize

Reduction for total waste basic unit

MITSUI MINING & SMELTING CO.,LTD.

Kamioka Plant



## PM Production in Asia

PM Production (Source JPMA, PMAI, KPMI, TPMA and CMPMA)

(Metric Tons)

AREA		2023	2024	2025	25/24(%)
Japan	Iron-base	70,311	63,292	61,147	96.6
	Copper-base	2,165	1,986	2,092	105.3
	Total	72,476	65,278	63,239	96.9
China	Iron-base	174,961	200,391	231,918	115.7
	Copper-base	14,665	18,788	18,408	98.0
	Total	189,626	219,179	250,326	114.2
Korea	*Iron-base	70,012	65,834	65,834	100.3
	Copper-base	580	694	694	93.2
	Total	70,592	66,528	66,528	100.2
Taiwan	Iron-base	19,000	21,500	25,130	116.9
	Copper-base	1,000	1,020	1,095	107.4
	Total	20,000	22,520	26,225	116.5
India	Iron-base	49,000	56,000	58,000	103.6
	Copper-base	13,000	13,500	13,000	96.3
	Total	62,000	69,500	71,000	102.2
Malaysia	Iron-base	2,899	2,816	2,427	86.2
	Copper-base	174	213	189	88.7
	Total	3,073	3,029	2,616	86.4
Thailand	Iron-base	13,411	13,263	13,488	101.7
	Copper-base	40	41	33	80.5
	Total	13,451	13,304	13,521	101.6
Indonesia	Iron-base	5,584	5,299	5,366	101.3
	Copper-base	0	0	0	—
	Total	5,584	5,299	5,366	101.3
Other areas	Iron-base	922	1,127	991	87.9
	Copper-base	170	166	182	109.6
	Total	1,092	1,293	1,173	90.7
Total	Iron-base	406,100	429,522	464,499	108.1
	Copper-base	31,794	36,408	35,646	97.9
	Total	437,894	465,930	500,145	107.3

\*Included "Others"