

Multi-Client Study

Research Proposal

* 2024 version [Toner Market Forecast] *

**“A Comprehensive Analysis of
the Toner Industry Moving
Toward Industry
Restructuring”**

=The Latest Trends in Toner, Resin, and Other Materials=



June 2024
Data Supply Inc.

<Overview>

I. Theme

*** 2024 version [Toner Market Forecast] ***

**“A Comprehensive Analysis of the Toner Industry
Moving Toward Industry Restructuring”**

= The Latest Trends in Toner, Resin, and Other Materials =

II. Abstract

Since 2020, the office print volume (PV) of major companies' devices in developed countries has remained at 80 to 85% of the level before COVID-19, and it will no longer be possible to see it improve to the level before the pandemic. In fact, the advancement of paperless trends and DX is likely to accelerate the decline of PV, **forcing toner manufacturers to adopt business strategies based on the assumption that low growth will continue in both the genuine and third-party product markets.**

As the overall market matures, industry restructuring is also becoming apparent. Ricoh and Toshiba TEC will launch a new company, ETRIA, in July 2024 to integrate their development and production functions of office MFPs. In addition, Fujifilm Business Innovation and Konica Minolta have begun talks to form a business alliance in the MFP, office printer, and production printer businesses, and they are also expected to integrate their raw materials and parts procurement functions and form a business alliance in toner development and production. **Behind the reorganization among Japanese manufacturers is the shared sense of crisis that they may lose the market to Chinese manufacturers if they keep competing among themselves.** From a managerial perspective, it could be a risk for manufacturers with small production scales to continue development and production on their own as demand tapers off. In fact, **it is becoming a heavy burden for toner manufacturers to deal with a range of issues, such as environmental and safety concerns while their toner productions are declining.** As a result, momentum among manufacturers to form alliances has never been greater in order to **address supply chain risks.**

The latest report will provide an **in-depth analysis of the toner industry as it moves toward industry restructuring.** We will be investigating and analyzing from a professional and objective perspective how the industry will look like after the restructuring, and how it will impact raw materials such as resin and carrier to make toner. We hope that our report will be of help to those involved in the industry in planning their future strategies.

III. Items and Makers

1. Target Items

1) Toner

- (1) Pulverized toner (color and monochrome)
- (2) Chemically prepared toner (color and monochrome)

2) Toner resin

- (1) Polyester-based resin (2) Styrene-acrylic-based resin (3) Others

3) Carrier 4) Magnetic oxide 5) Charge control agents (CCA)

6) Color toner colorants 7) External additives 8) Carbon black

9) Toner wax 10) Other related items

2. Target makers

1) Major makers

Toner makers (66) / Toner resin makers (18) / Carrier makers (4) / Magnetic oxide makers (5) / CCA makers (8) / Colorant makers (8) / External additive makers (14) / Carbon black makers (3) / Wax makers (8)

2) Other related makers

IV. Research Period and Methodology

1. Research Period

From 2022 to 2028

2. Methodology

- (1) On-site and direct interviews with target makers
- (2) Analysis and review of open literatures, materials, statistics, and other sources
- (3) Analysis of Data Supply's own proprietary database

V. Format, Report Preparation Period, Others

1. Research Form

This is a multi-client study.

2. Research Period

From May to mid-June, 2024

3. Publication Date (PDF format)

August 16, 2024 (English version)

(2023 version contains 559 pages)

4. How to Apply

Please apply via email. Please include your company name, department, office phone number, and your name in your email and send it at infods@datasupply.jp

5. Price

\$6,000- (English version)

6. Researchers

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VI. Items to Be Covered

A. Comprehensive Analysis

1. Worldwide Toner Production Trends

- 1) Changes in production volume / production value by Japanese / overseas maker (2022-2028)
- 2) Changes in production volume / production value by monochrome / color toner (2022-2028)
- 3) Changes in overall production volume by application and component (2022-2028)
- 4) Breakdown of toner production volume for office / professional use (2023)
- 5) Changes in production volume by manufacturing method and type (2022-2028)
- 6) Production volume of toner for OEM and third-party products (2021-2023)
- 7) Changes in market share by maker (2021-2023)
- 8) **Estimated market share after industry restructuring (before/after restructuring)**
- 9) Changes in overall production volume by production region (2022-2028)
- 10) Overall production trends by component and maker (2022-2028)
- 11) Overall production trends by color and maker (2022-2028)
- 12) Overall production trends by equipment and maker (2022-2028)
- 13) Production trends by chemically prepared toner maker (2022-2028)
- 14) Development trends in environmentally friendly products (recycled resin, biomass materials, low-temperature fusing, PFAS support, etc.)
- 15) Applications and sales volume of value-added toner

2. Current Production Trends and Changes by Region

North America / Europe / Asia (China, South Korea, Taiwan, India, Malaysia, and others) and Japan

3. Current Major Supply Relationships and Changes between Hardware Makers and Toner Makers

- 1) Monochrome MFP (copier and MFP)
- 2) Color MFP (copier and MFP)
- 3) Monochrome printer and MFP
- 4) Color printer and MFP
- 5) Monochrome PP
- 6) Color PP

4. Related Material Market Trends

4-1. History of Resin Market

Changes in production volume and value of resin used for pulverized toner and chemically prepared toner

4-2. History of Carrier Market

Changes in production volume and value of carriers / Changes in production volume of dual-component, monochrome and color toner

4-3. History of Magnetic Oxide Market

Production volume and value of magnetic oxide / Changes in production volume of magnetic mono component toner

4-4. History of Charge Control Agent (CCA) Market

Changes in production volume and value / Market outlook

4-5. History of Colorant Market

Changes in production volume and value / Changes in production volume of full color toner

4-6. History of External Additives Market

Changes in production volume and value / Market outlook

4-7 History of Carbon Black Market

Changes in production volume and value / Market outlook

4-8. History of Wax Market

Changes in production volume and value / Market outlook

B. Toner Market

B-1. Japanese Makers

1. Production Trends

- 1) Changes in production volume by application and component (2022-2028)
- 2) Changes in production volume by manufacturing method and type (2022-2028)
- 3) Overall toner production volume and value (2023)
- 4) Overall trends in production volume by maker (2022-2028)
- 5) Changes in production volume of monochrome / full color toner by maker (2022-2028)

- 6) Changes in production volume by maker's toner manufacturing method (2022-2028)
 - (1) Pulverized toner (monochrome / color)
 - (2) Chemically prepared toner (monochrome / color)
- 7) Changes in production volume by toner component and maker (2022-2028)
 - (1) Magnetic mono component (monochrome toner)
 - (2) Dual component (monochrome toner + color toner)
 - (3) Non-magnetic mono component (monochrome toner + color toner)
- 8) Production trends in toner by maker and resin type (2023)
- 9) Supply volume from toner makers to hardware makers, and in-house manufacturing rate of hardware makers (2023 results)

2. Outline of Production Bases Inside and Outside of Japan

Plant name / Address / Phone number

3. Trends in Individual Makers (2022-2028)

——— <<Items common among makers>> ———

Changes in production volume and production value (by monochrome toner / color toner) / Changes in production volume by application and component (production volume in Japan / overseas) / Breakdown of overseas production by region / Breakdown of production by plant / Production volume by manufacturing method and type / Production volume and value of toner by manufacturing method / Trends in R&D of toner (chemically prepared toner / pulverized toner) / Development trends in environmentally friendly products (recycled resin, biomass materials, low-temperature fusing, PFAS support, etc.) / Development trends in value-added toner (gold, silver, white, clear, and fluorescent) / Production volume by component and type, and purchase volume of resin by type / Production volume by color and particle size / Breakdown of production volume and value by office and professional use / Changes in production volume by user (production volume by major user, production volume for OEM and third-party products) / Trends in production bases / Development bases / Trends in facility investments and R&D spending / Corporate profile

- 1) Canon 2) Ricoh 3) Fujifilm Business Innovation 4) Konica Minolta 5) Kyocera Document Solutions 6) Sharp 7) Toshiba TEC 8) Tomoegawa 9) Mitsubishi Chemical 10) Kao 11) FDK 12) Sakata Inx 13) Imex 14) Nippon Zeon 15) Mikasa Sangyo 16) Other makers (five companies)

B-2. Overseas Makers

1. Production Trends

- 1) Changes in production volume by application and component
- 2) Overall changes in production volume by maker
- 3) Changes in production volume of monochrome / full color toner by maker and component
- 4) Breakdown of production volume for office and professional use
- 5) Volume for OEM and third-party products
- 6) Business description of each company

2. Trends in Individual Overseas Makers

Changes in production volume by application, component, and color / Latest trends in toner / Production volume of chemically prepared toner

Region	Country	Toner maker
North America	U.S.A.	Hunt Imaging, Kodak, Lexmark International, Raven Industries, Troy Group, Xerox Corporation
Europe	Ireland	Xerox Europe
	Germany	Integral
	Belgium	Xeikon
	Turkey	IPM (Imaging Products Manufacturing)
Asia	South Korea	Cosmo AM&T, Lotte Fine Chemical, Union Chemical
	Taiwan	Royal Precision Technology, Trend Tone Imaging
	China	Cangzhou ASC Toner Production, Cangzhou HuiBao Toner Production, CET Group, Excellent Color Technology (HuBei), Fujian Meihong Technology, Ganzhou Ninevalley Technology, Guangdong VIVID Print Material, Guangzhou Auking Digital Technology Enterprise, Guangzhou Cetron Office Equipment, Guangzhou Shuangyi Sci-technology, Guizhou Brothers Union Technology, Handan Hanguang OA Toner, Hubei Dinglong, Hubei East Toner New Materials, Hubei Sincore Toner Digital Technology, Huinon Toner Industrial, HYB TONER, ICMI China, Nanjing Teshine Imaging Technologies, Real Color Corporation, Tianjin Synthetic Material Research Institute, Tianjin Zhonghuan TCOA Electronics, Wuhan Zongxiang Imaging, Wuxi Jiateng Magnetic Powder, Wuxi Meiling Digital Science and Technology, Xinyin Kaier New Material, Yvian Technology (Zhuhai), Zhongshan Rainmiu Office Technology, Zhuhai Guocai Technology, 湖北亿隆新材料科技有限公司 (English name is not known.)
	Malaysia	Jadi Imaging Technologies Sdn Bhd
	Vietnam	Tinbvinh
	India	Indian Toners and Developers, Pure Toners&Developers
	Iran	Naghsh Ayandegan Abyaneh

3. List of Production Bases of Overseas Makers

- 1) North and South American region 2) European region 3) Asian region

C. Resin Market

1. Worldwide Trends in Resin Production

- 1) Changes in production volume by Japanese and overseas maker (2022-2028)
- 2) Market outlook

2. Production Trends in Japanese Makers

- 1) Changes in production volume and value by region and type (2022-2028)
- 2) Production trends by maker (2022-2028)
 - (1) Overall
 - (2) Styrene-acrylic-based type
 - (3) Polyester-based type (for pulverized toner and chemically prepared toner)
 - (4) Crystalline polyester
 - (5) Others
- 3) Production trends by type and region (2022-2028)
 - (1) Styrene-acrylic-based type
 - (2) Polyester-based type
 - (3) Others
- 4) List of supply volume from resin makers to toner makers (2023 results)
 - *Actual supply volume in Japan and overseas
 - (1) Styrene-acrylic-based type
 - (2) Polyester-based type
 - (3) Others
- 5) Response to chemically prepared toner makers
- 6) Response to low-temperature fusing toner
- 7) Outline of production bases of resin makers
 - (1) List of production bases in Japan
 - (2) Outline of overseas production bases
- 8) Changes in facility investments and R&D spending

3. Individual Makers' Trends

<<Items common among makers>>

Changes in production volume and value by region and type / Supply volume to toner makers in Japan and overseas by type of resin / Volume for OEM and third-party products / Response to chemically prepared toner / Production bases (Japan and overseas) / R&D trends / Changes in facility investments and R&D spending / Corporate profile

- 1) Sanyo Chemical Industries
- 2) Fujikura Kasei
- 3) Mitsui Chemicals
- 4) Mitsubishi Chemical
- 5) DIC
- 6) Kao
- 7) Seiko PMC
- 8) Other makers (11 companies: 1 from South Korea, 8 from China, 1 from Malaysia, and 1 from India)

D. Related Material Market

1. Carrier Market

- 1) Production volume and value by maker (2022-2028)
- 2) Changes in production volume by type and maker (2022-2028)
 - (1) Magnetic oxide carrier
 - (2) Ferrite carrier
 - (3) Magnetite carrier
 - (4) Resin carrier
- 3) Changes in production volume and value by application and type (2022-2028)
- 4) Changes in production volume by type and particle size (2022-2028)
 - (1) Less than 50 μ m
 - (2) 50-80 μ m
 - (3) 80-100 μ m
 - (4) 100 μ m or larger
- 5) Changes in production volume by coating material and non-coating treatment (2022-2028)
- 6) List of major supply relationships by carrier maker and material (2023 results)
- 7) Market and technological trends
- 8) List of production bases by maker
- 9) Trends in individual makers

<<Items common among makers>>

Production volume and value by application and type / Production volume by type and particle size / Production volume by coating material / Environmental friendliness and smaller-sized toner / Volume for OEM and third-party products / Environmentally-friendly carrier / Major users of carriers by type / Production bases / Changes in facility investments and R&D spending / Corporate profile

- (1) Powdertech
- (2) Kanto Denka Kogyo
- (3) Dowa Electronics Materials
- (4) Toda Kogyo

2. Magnetic Oxide Market

- 1) Changes in production volume by maker (2022-2028)
Production trends and market share
- 2) Changes in supply value by maker (2022-2028)
- 3) Major supply relationships by maker (2023 results)
- 4) List of production bases by maker
- 5) Trends in individual makers (2022-2028)

—— <<Items common among makers>> ——

Production volume / Supply value / Volume for OEM and third-party products / Users /
Production bases / Changes in facility investments and R&D spending / Corporate profile

- (1) Toda Kogyo (2) Titan Kogyo (3) Kanto Denka Kogyo (4) Overseas makers

3. Charge Control Agents (CCA) Market

- 1) Changes in production volume and value by type and maker (2022-2028)
 - ① Production trends by positive charge (nigrosine, colorless / white, resin) and negative charge (colored, colorless / white, resin)
 - ② Production bases
 - ③ Market share
- 2) Latest trends in technology
 - (1) Response to color applications
 - (2) Environmental friendliness
- 3) Price trends
- 4) List of major supply relationships of CCA makers (2023 results)
- 5) List of production bases by maker
- 6) Trends in individual makers (2022-2028)

—— <<Items common among makers>> ——

Production volume and value by type / Response to color applications / Prices / Volume for OEM and third-party products / Major users / Production bases / Changes in facility investments and R&D spending / Corporate profile

- (1) Orient Chemical Industries (2) Hodogaya Chemical (3) Heubach (4) Fujikura Kasei (CCR or Charge Control Resin) (5) Japan Carlit (6) Chuo Synthetic Chemical (7) Hubei Dinglong (8) Wuhan Xinxiang Consumable Manufacture

4. Market of Colorants (Y.M.C) for Color Toner

- 1) Changes in production volume and value by color (2022-2028)
 - ① Production trends in Japan and overseas
 - ② Production bases
 - ③ Market share
- 2) Latest trends in colorants and prices
- 3) Volume of additives
- 4) Changes in production trends by maker and type (2022-2028)
- 5) Supply volume for pulverized toner and chemically prepared toner
- 6) List of supply relationships by maker (2023 results)
- 7) Trends in individual makers

—— <<Items common among makers>> ——

Production volume and value by color / Major products and prices / Volume for OEM and third-party products / Major users / Production bases / Changes in facility investments and R&D spending / Corporate profile

- (1) Dainichiseika Color & Chemicals Mfg. (2) DIC (3) Heubach (4) Toyo Color (5) Sanyo Color Works (6) Others (Fuji Pigment / Tokyo Shikizai Industry / Daido Chemical Industry)

5. External Additives (Silica, Titanium Dioxide, Organic Fine Particles and others) Market

- 1) Changes in production volume and value by type (2022-2028)
- 2) Trends in toner's external additives by type
- 3) Product properties by maker
- 4) Major products and prices
- 5) Changes in production trends by maker and type (2022-2028)
- 6) List of supply relationships by maker
- 7) Trends of new makers
- 8) Trends of major makers

<<Items common among makers>>

Production volume and value by type / Volume for OEM and third-party products / Response to environmental regulations in Europe / Volume of additives / Purpose of use / Users / Production bases / Changes in facility investments and R&D spending / Corporate profile

- (1) Evonik (2) Cabot (3) Wacker Chemie AG (4) Titan Kogyo (5) Tayca (6) Tokuyama
 (7) Shin-Etsu Chemical (8) Others (7 makers: 6 from Japan and 1 from South Korea)

6. Carbon Black Market

- 1) Changes in production volume and value (2022-2028)
 - ① Production trends by pulverized toner and chemically prepared toner
 - ② Production bases ③ Market share
- 2) Product properties
- 3) Volume of additives
- 4) Makers' trends
 - (1) Mitsubishi Chemical (2) Cabot (3) Orion Engineered Carbons
- 5) Development trends, facility investments, and R&D spending

7. Toner Wax Market

- 1) Changes in production volume and value (2022-2028)
 - ① Production trends ② Production bases
- 2) Wax type

Polypropylene / Polyethylene / Paraffin / Ester / Carnauba
- 3) Melting points by type
- 4) Prices by type
- 5) Response to chemically prepared toner
- 6) Changes in facility investments and R&D spending
- 7) Makers' trends
 - (1) Sanyo Chemical Industries (2) Mitsui Chemicals (3) Nippon Seiro (4) NuCera Solutions (TOYOCEM) (5) Heubach (6) NOF (7) Others

*Tables are filled with figures and comments in the full version.

<Comprehensive Analysis>

4) Changes in production volume by manufacturing method and type (2021-2027)

	Year	Unit: ton													
		2021		2022		2023 (estimate)		2024 (forecast)		2025 (forecast)		2026 (forecast)		2027 (forecast)	
		%	%	%	%	%	%	%	%	%	%	%	%	%	
Pulverized toner	Dual component	Monochrome													
		Color													
		Total													
	Non-magnetic mono component	Monochrome													
		Color													
		Total													
	Magnetic mono component	Monochrome													
		Color													
		Total													
	Total	Monochrome													
Color															
Total															
		%													
Chemically prepared toner	Dual component	Monochrome													
		Color													
		Total													
	Non-magnetic mono component	Monochrome													
		Color													
		Total													
	Magnetic mono component	Monochrome													
		Color													
		Total													
	Total	Monochrome													
Color															
Total															
		%													

<Comprehensive Analysis>

A. Comprehensive Analysis

1. Worldwide trend in toner production

1) Changes in overall production volume/production value by Japanese/overseas maker (2021-2027)

Year	Production volume by overseas makers (Unit: ton)	Production volume by Japanese makers (Unit: ton)	Production value by overseas makers (Unit: million yen)	Production value by Japanese makers (Unit: million yen)
2021	72,810	92,485	48,000	118,000
2022	75,882	89,947	58,000	117,000
2023 (estimate)	66,840	89,485	52,000	115,000
2024 (forecast)	72,030	88,836	50,000	115,000
2025 (forecast)	71,970	87,501	48,000	112,000
2026 (forecast)	70,840	86,230	48,000	110,000
2027 (forecast)	70,870	85,045	48,000	108,000

	2021		2022		2023 (estimate)		2024 (forecast)		2025 (forecast)		2026 (forecast)		2027 (forecast)	
	%	%	%	%	%	%	%	%	%	%	%	%	%	
Production volume by Japanese makers														
Production volume by overseas makers														
Total														

	2021		2022		2023 (estimate)		2024 (forecast)		2025 (forecast)		2026 (forecast)		2027 (forecast)	
	%	%	%	%	%	%	%	%	%	%	%	%	%	
Production value by Japanese makers														
Production value by overseas makers														
Total														

2022

As for production volume of pulverized toner and the latter for 51,780 tons (31.2% of the total)

*Tables are filled with figures and comments in the full version.

<Toner market>

B-2. Production trend of individual overseas makers (2021-2027)

1. Overall status

1) Changes in production volume/production value by monochrome toner and color toner (2021-2027)

	Year	2021		2022		2023 (estimate)		2024 (forecast)		2025 (forecast)		2026 (forecast)		2027 (forecast)	
		Unit: ton	%	Unit: ton	%	Unit: ton	%	Unit: ton	%	Unit: ton	%	Unit: ton	%	Unit: ton	%
Production volume	Monochrome toner	65,580	90.1	67,577	89.1	59,100	88.4	63,905	88.7	63,700	88.5	62,565	88.3	62,590	88.3
	Color toner	7,230	9.9	8,305	10.9	7,740	11.6	8,125	11.3	8,270	11.5	8,275	11.7	8,280	11.7
	Total	72,810	100.0	75,882	100.0	66,840	100.0	72,030	100.0	71,970	100.0	70,840	100.0	70,870	100.0
	%			104.2		88.1		107.8		99.9		98.4		100.0	
Production value (Unit: million yen)	Monochrome toner	38,200	74.1	46,715	72.1	42,095	71.2	41,768	70.9	40,353	70.3	38,808	69.8	37,663	69.5
	Color toner														
	Total														

<Comprehensive Analysis>

1) Overall production trend by component and maker (2021-2027)

(1) Overall

	2021		2022		2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
	Unit: ton	%	Unit: ton	%	Unit: ton	Unit: ton	Unit: ton	Unit: ton	Unit: ton
Japanese Makers	Canon								
	Ricoh								
	FUJIFILM Business Innovation								
	Konica Minolta								
	Kyocera Document Solutions								
	Sharp								
	Toshiba TEC								
	Tomoegawa								
	Mitsubishi Chemical								
	Kao								
	FDK								
	Sakata Inx								
	Imex								
	Zenon								
	Mikasa Sangyo								
Japanese Makers									
%									
North America	Kodak								
	Lexmark								
	Xerox								
Europe	Xeikon								
South Korea	Cosmo AM & T								
	Lotte Fine Chemical								
Taiwan	Trend Tone Imaging								
China	CET Group								
	Excellent Color Technology								
	Guangzhou VIVID Print Material								
	Handan Hanguang OA Toner								
	Hubei Dinglong								
	Nanjing Teshine Imaging								
India	Tianjin Synthetic Material								
	Indian Toners & Developers								
Malaysia	Jadi Imaging Technologies								
	Others								
Overseas Makers									
%									
Total									
%									

<Sample Page 3>

*Tables are filled with figures and comments in the full version.

<Carrier market>

3) Changes in production volume by type and maker (2021-2027)

(1) Iron powder carrier

Unit: ton

	2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
	%	%	%	%	%	%	%
Powdertech							
Kanto Denka Kogyo							
Dowa Electronics							
Total							

(2) Ferrite carrier

	2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
	%	%	%	%	%	%	%
Powdertech							
Kanto Denka Kogyo							
Dowa Electronics							
Total							

(3) Magnetite carrier

	2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
	%	%	%	%	%	%	%
Powdertech							
Kanto Denka Kogyo							
Dowa Electronics							
Total							

(4) Resin carrier

	2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
	%	%	%	%	%	%	%
Toda Kogyo							

<Resin market>

3) Production trend by maker (2021-2027)

(1) Overall

Unit: ton

	2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
	%	%	%	%	%	%	%
Sanyo Chemical Industries							
Fujikura Kasei							
Mitsui Chemicals							
Mitsubishi Chemical							
DIC							
Kao							
Seiko PMC							
Total							

2022

Maker	Share (%)
Kao	47.8%
Sanyo Chemical Industries	19.0%
Mitsui Chemicals	17.6%
Mitsubishi Chemical	9.8%
Seiko PMC	0.5%
DIC	2.2%
Fujikura Kasei	3.1%

2027 (forecast)

Maker	Share (%)
Kao	47.0%
Sanyo Chemical Industries	18.8%
Mitsui Chemicals	17.9%
Mitsubishi Chemical	10.2%
Seiko PMC	0.4%
DIC	2.2%
Fujikura Kasei	3.5%

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<Sample Page 4>

*Tables are filled with figures and comments in the full version.

<Carbon black market>

6. Carbon black market
1) Changes in production volume/production value of carbon black (2021-2027)

		2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)
Production volume (ton)	Pulverized toner							
	Chemically prepared toner							
	Total							
		%						
Production value (million yen)	Pulverized toner							
	Chemically prepared toner							
	Total							
		%						

<External additives market>

8) Changes in production volume by maker and type (2021-2027)
(1) Production value

		2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)	Unit: ton
Evonik	%								
	%								
Cabot	%								
	%								
Shir-Boo Chemical	%								
	%								
Tokuyama	%								
	%								
Wacker	%								
	%								
Silica	%								
	%								
Evonik	%								
	%								
Cabot	%								
	%								

<Colorants market>

(3) Supply relationships of colorant makers

	Dainichi seika Color & Chemicals Mfg.	Heubach	Sanyo Color Works	Toyo Color	DIC	BASF	Fuji Pigment	Takyo Shikizai Industry	Daido Chemical Industry
Canon									
Ricoh									
FUJIFILM Business Innovation									
Ronica Minolta									
Kyocera Document Solutions									
Sharp									
Toshiba TEC									
Tomogawa									
Mitsubishi Chemical									
Kao									
FDK									
Zeon									
Sakata Inx									
Imex									
Kodak									
Xerox									
Lotte Fine Chemical (formerly known as Samsung Electronics)									
Others									

<CCA market>

3. CCA market
1) Changes in production volume by type (2021-2027)
(1) Production volume

		2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)	Unit: ton
Positive	Nigrosine								
	Colorless / White								
	Resin								
	Total								
		%							
Negative	Colored								
	Colorless / White								
	Resin								
	Total								
		%							
Total									
		%							

(2) Production value

		2021	2022	2023 (estimate)	2024 (forecast)	2025 (forecast)	2026 (forecast)	2027 (forecast)	Unit: million yen
Positive	Nigrosine								
	Colorless / White								
	Resin								
	Total								
		%							
Negative	Colored								
	Colorless / White								
	Resin								
	Total								
		%							
Total									
		%							

*** Back numbers of Toner Market Forecast ***

Title	Published date
1. "Future Aspects of Toner for High-speed Printers and POD, and Related Materials"	August, 2007
2. "Structure Analysis of Toner Market Transformed by Newly Introduced Chemically Prepared Toner"	August, 2008
3. "Structure Analysis of Toner And Related Market Facing an Emergence of Major CPT Manufacturers"	August, 2009
4. "Amid Dwindling Specialized Toner Manufacturers: Comprehensive Breakdown of Toner and Related Markets"	August, 2010
5. "Recovery from 3.11 on the Toner Industry Long Time Forecast for Toner and Related Market"	August, 2011
6. "Strategy of the Toner Industry in a Slow-growth Market"	August, 2012
7. "Forecast of the Toner Industry that Counts on Newly Emerging Countries"	August, 2013
8. "Forecast of the Toner Industry Lead by Ultrafine Particle Toner"	August, 2014
9. "Toner Industry Revitalizes the Market through the Provision of Value-added Toners"	August, 2015
10. "Outlook for the Toner Industry that Will Continue to Strive for Excellence in High-quality Toner Products"	August, 2016
11. "Future Prospects of the Toner Industry: A Call for Cost Competitiveness to Recreate the Market"	October, 2017
12. "The Future of the Toner Industry Challenged by Environmental Issues"	October, 2018
13. "The Future of the Toner Industry: The Safe and Sound Operation Required"	October, 2019
14. "Toner Business Outlook: Toner as the Heart of the Office Equipment"	October, 2020
15. "Latest Trend of the Changing Toner Market in Association with Diversifying Workstyles"	August, 2021
16. "Comprehensive Analysis of the Toner Market in the Hybrid Work Era"	August, 2022
17. "An Analysis of the Toner Industry's Future: Adoption of Environmentally Conscious Technology to Survive the Industry"	July, 2023