

# MONTHLY ELECTROPHOTOGRAPHY

- Comprehensive Research and Analysis of PPCs, Laser/LED Printers,  
Toner, Resin, Photoconductor, Rollers and Related Components of  
Electrophotography -

2024. 6



Brother Industries China (A4/Monochrome) DCP-L1848W



Konica Minolta (A3+/Color) bizhub C751i Premium



drupa 2024



Sample Page  
Excerpt from "Follow Up"

■ Follow Up ■  
F - Monochrome Printer/MFP (A4) - Canon - 5

Canon's shipment volume of A4 monochrome printers/MFPs (31-40ppm) in 2023 was much smaller than in the previous year. The trend is the same for both its own brand and OEM.

Major Model	Speed (ppm)	Sales area	Shipment volume (unit)		
			'21	'22	'23
MFP imageCLASS MF451-452	30ppm (A4)	Overseas			
MFP imageCLASS D1550/D1550i/imageCLASS MF441-442	30ppm (A4)	Japan			
Printer LBP5110/110i/110S/ENVSYS LBP223/233/imageCLASS LBP225/225i	30ppm (A4)	Overseas			
MFP imageCLASS MF462	30ppm (A4)	Overseas			
MFP imageCLASS MF460	30ppm (A4)	Overseas			
Printer LBP541	30ppm (A4)	Overseas			
MFP MF4474i/4574i/4574iS	30ppm (A4)	Overseas			
imageCLASS MF4544/4544i	30ppm (A4)	Overseas			
Printer LBP224/224i/ENVSYS imageCLASS LBP225/225i	30ppm (A4)	Overseas			
MFP MF4610i/110i/ENVSYS Printer LBP241/241i/ENVSYS	30ppm (A4)	Overseas			

Sample Page  
Excerpt from "Newly Released"  
(Office - Japan)

■ Newly Released ■  
[Japan]  
<Office>  
N - Color MFP (A3+) - Konica Minolta - 4

Product Name	bizhub C751i Premium								
Price	5,417,000 yen								
Release Date	June 7, 2024								
Size	A3+								
Speed	70ppm in color and 70ppm in monochrome (A4)								
Function	<table border="1"> <tr> <td>Copy</td> <td>Printer</td> <td>FAX</td> <td>Scanner</td> </tr> <tr> <td>(*is optional.)</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Copy	Printer	FAX	Scanner	(*is optional.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copy	Printer	FAX	Scanner						
(*is optional.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Target Sales Volume (in Japan)									



<Product Overview>  
Canon's devices in engine in the MF4xx printers. The base years' faster print body size. The late capacity of 350 sheet 375mm. The UI also printing as standard support for cloud scan, and fax device

<Unit Sales>  
Sales volumes were other component share the trend remains that HP, a major OEM up in 2022, then dropped

[Positioning]

	New	The bizhub C751i Premium is a 70ppm in color and 70ppm in monochrome (A4) already released in the printing performance follow
<input type="radio"/>	Successor	
<input type="radio"/>	Other	
<input type="radio"/>	Supplied as OEM	

[Sales Target]

Target	For office and Commercial
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[Product Lineup and Comparison Model]

Model
bizhub C751i Premium
"imagePRESS C270" (Canon)
"RICOH Pro C5300S" (Ricoh)
"ApeosPro C650" (Fujifilm)

[Marketability]  
The color MFP is as fast as 70ppm high-volume output. It is basically the Fiery controller to process design in-house printing require conflicting CRDs of large companies often provide to customers at the same time, in device for each purpose. In addition processing and handles up to 105g/m<sup>2</sup>. Its predecessor, the bizhub C750i Premium will keep that momentum

Sample Page  
Excerpt from "Featured Article - drupa 2024"

4. Exhibit by companies  
[1] HP

As in the previous show, HP occupied the entire Hall 17 to exhibit its industrial printing equipment and related solutions. **The liquid-toner Indigo series is believed to be the best-selling and leading product in the company's industrial printing portfolio.** About half of the spacious hall was occupied by the Indigo series.



<HP occupies the entire Hall 17 to showcase its products and solutions>

The HP Indigo 120K Digital Press, a B2 sheet-fed press for commercial printing, uses a 5th generation platform. The flagship model, which took three years to develop, achieves productivity of 4,500 sheets per hour in four-color mode (6,000 sheets per hour in three-color mode). In addition, the new ECO printing mode can reduce click charge fees by 15-20%, and the company claims that the model is **designed to solve the recent labor shortage with an AI-based automated solution.** The B2 sheet-fed HP Indigo 18K Digital Press, which uses a fourth-generation platform, was also on display. HP promoted the excellent media versatility for cardboard printing.

The HP Indigo V12 Digital Press for the label market became generally available at this year's drupa. The model uses a **sixth-generation platform** and the new LEPX architecture, which allows six imaging engines to operate inline simultaneously, instead of the previous single engine. Laser printing has been replaced by LED printing, and a **drum type photoconductor (photo imaging drum) has been adopted to replace the previous plate type (photo imaging plate).** The 6th generation platform will likely be adopted for models in addition to those for the label market.



Sample Page  
Excerpt from "Other News"

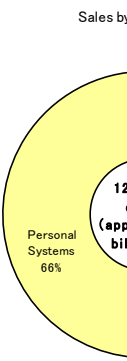
**O - Financial Statements - HP - 2**

HP (HP Inc.) announced its financial results for 2Q of FY2024 (from February to April 2024).

①Overall (2Q financial results)

Unit: million dollars

	Sales	Growth rate	Operating profit	Profit margin	Net profit	Profit margin
Printing	\$4,368	-7.8%	\$829	19.0%	—	—
Personal Systems						
Corp Investments / Other						
Total HP						



Company-wide sales of 124.2 billion yen at an exchange rate of 172.5 yen per dollar (approx. 124.2 billion dollars). Sales of the Printing segment were 668.3 billion yen, and the profit margin is 19.0%.

\*All the value above is in billion yen.

Sample Page  
Excerpt from "Production News"

**■ Production News ■**

**P - Toner - Powdertech - 1**

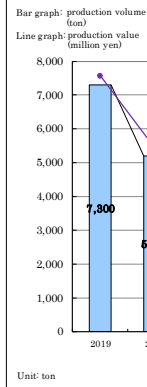
We summarize Powdertech's toner business from our 2024 version of Toner Market Forecast scheduled for publication in August 2024.

Powdertech is a **leading carrier manufacturer for toner**. Both core materials and coated products are commercially available, and many major Japanese toner manufacturers use Powdertech's products.

**In 2023, Powdertech produced 5,000 tons of carrier, or 80.1% year on year (mostly ferrite and very little iron powder), and the production value was 7.2 billion yen, or 97.1% year on year.** This was a sharp decline from the previous year, affected by customer inventory

adjustments. In 2023, sales of the product were 7.2 billion yen, an overall shrinking demand and a noticeable trend.

Powdertech has **material for growing** sales of the product with 3.8% (about 3.8 billion yen).



\*Source: 2024 version of the report provided as well as toner-related information, please contact us.

Sample Page  
Excerpt from "Environmental News"

**■ Environmental News ■**

**E - Silica Regulation - European Chemicals Agency (ECHA) - 1**

**On May 6, the Netherlands' National Institute for Public Health and the Environment (RIVM) has submitted a proposal to the European Chemicals Agency (ECHA) that silicon dioxide (amorphous silica) should be classified as STOT RE 1 (specific target organ toxicity).**

Public comments on the proposal are expected to be received from a wide range of organizations from June 10 to August 9. In Japan, the Japan Inorganic Chemical Industry Association (JICIA) is one of such organizations to reportedly prepare to submit public comments. The legal deadline for the adoption of the opinion is set for November 5, 2025.

In the toner industry, small particle size fumed silica is used as an external additive to improve toner fluidity. In addition, as polyester-based low-viscosity toner is increasingly used recently, large-diameter colloidal silica is more often used to prevent small-diameter silica from being stuck in toner and to prevent toner agglomeration/fusion. In terms of restrictions on external additives, titanium dioxide has been classified as "Category 2" (suspected human carcinogens) under the CLP Regulations, and restrictions on trimethylsilylated (HMDS) silica (labeling required for substances to which 10% is added) have had **a significant impact on toner development.**

<Chemical substances subject to regulation>

Silicon Dioxide (Synthetic Amorphous Silica SAS)	
EC / List number (chemical substance number as defined by the EU Commission)	231-545-4
CAS No.	7631-86-9



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 June 2024
 

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