



FUJIFILM Electronic Materials Corporate Overview

August 1, 2023

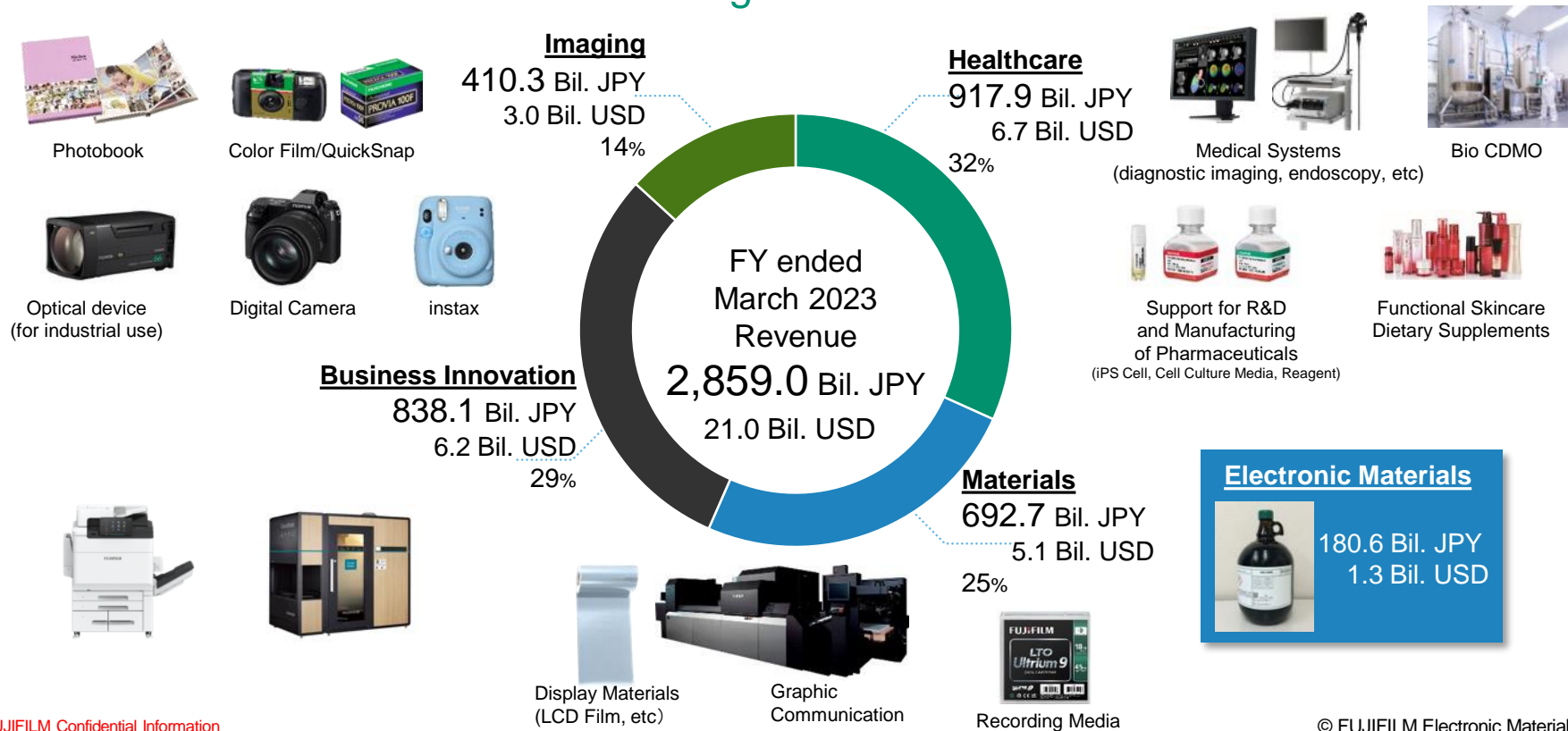
FUJIFILM: Value from Innovation



At Fujifilm, we are continuously innovating — creating new technologies, products, and services that inspire and excite people everywhere.

Electronic Materials: We're a leading driver for growth in Fujifilm

FUJIFILM Holdings Revenue Breakdown



Our Comprehensive Product Portfolio is Focused on Semiconductor Manufacturing



Advanced Photoresist

ArF, KrF – dry/immersion, SLR/BLR, NTI, e-beam, EUV

Core Photoresist

g-line, *i*-line, negative

Wave Control Mosaic (Color Resist)

Color Mosaic® for on-chip color filters in image sensors and other optical applications

Photosensitive Polyimide

Negative and positive tone – solvent and aqueous developable materials for buffer coat and ILD packaging applications

Dielectric Materials and Delivery Systems

Thin film precursors for low-k and high-k applications; delivery systems

Formulated Products

Mixed-acids, strippers, cleaners, developers, edge-bead removers, custom blends, and high-purity lithographic solvents

CMP Slurries

Slurries for copper and other processes engineered for customer-specific applications; post-CMP cleaners

FUJIFILM Ultra Pure Solutions

High-purity solvents and customer-specified blends

We Are Where You Are with our Global Manufacturing Reach

15

Locations

11

Manufacturing Sites

- Exceptional Quality Assurance & Quality Control
- Resilient Supply Chain
- Close to Customers

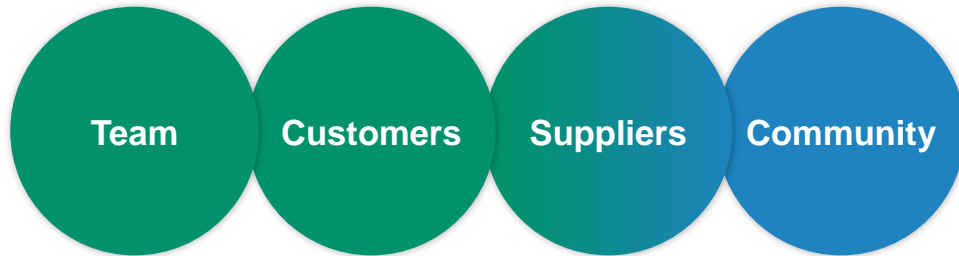


Redundancy Across Our Global Manufacturing Infrastructure Provides Supply Line Security

	Japan		USA				Belgium	Taiwan		China	S. Korea
	Oita	Shizuoka	Arizona	California	Rhode Island	Texas	Zwijndrecht	Hsinchu	Tainan	Suzhou	Cheonan
Manufacturing											
Photoresists		●			●			●			
Photolithography ancillaries and solvents		●	●	●	●	●	●	●	●	●	●
CMP slurries			●					●	●		●
Post-CMP cleaners	●									●	
Thin film formation materials			●				●			●	
Polyimides		●			●		●				
Wave Control Mosaic (color resists)		●						●			
Research and Development (R&D)		●	●		●		●	●			

We are Connected to our Customers, Suppliers, and Community

CONNECTED



Connected is how we do our work and how we approach every challenge — with an open, dedicated and collaborative mind to advance a sustainable society.

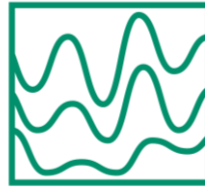
Industry-recognized Quality System Exceeding the Demands of Tier 1 Fabs

Control of Variation



SPC Control Charts

Material Characterization Depth



Key Parameters

Advanced Metrologies



“Fingerprinting” Capabilities

- We understand that semiconductor manufacturing is hypersensitive to the variability of input materials that can impact device performance and fab yields
- We know that understanding and controlling this variability is fundamental to delivering consistent materials
- We continually invest in our quality system and technologies and deeply collaborate with our supply chain partners

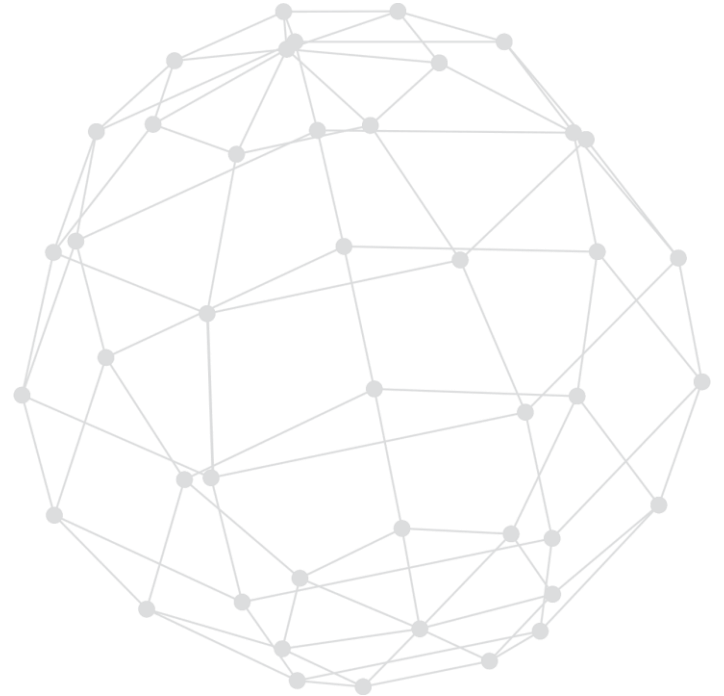
The FUJIFILM Electronic Materials Philosophy Underlies Everything We Do

OUR ROLE:

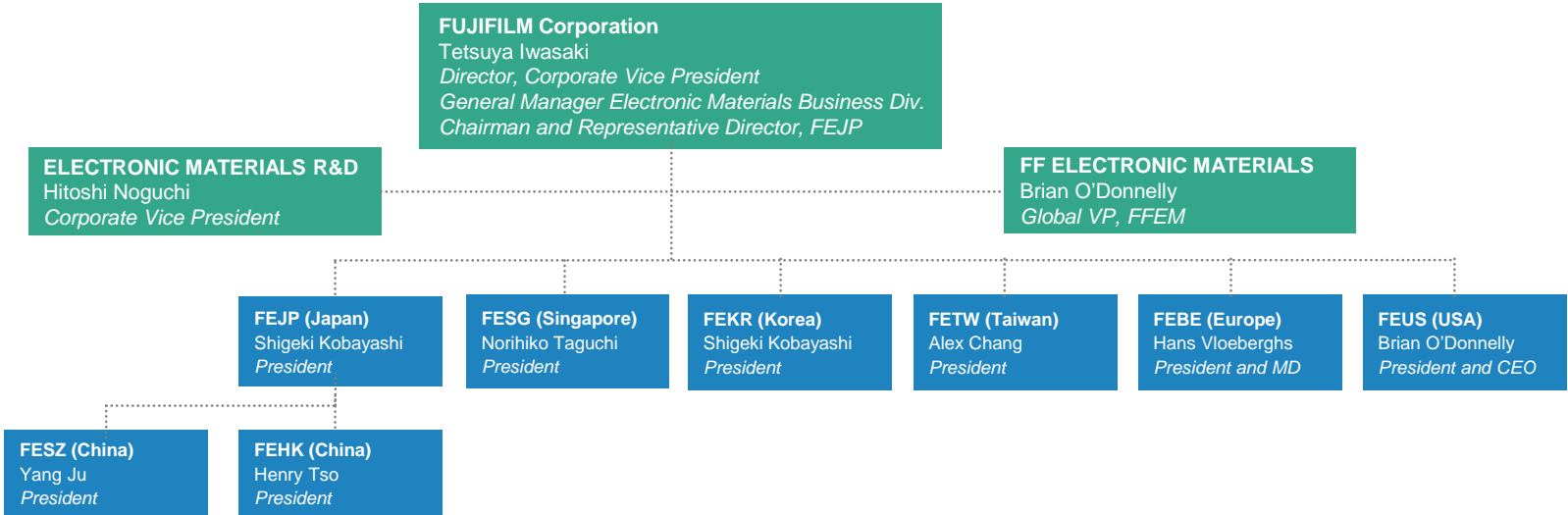
To enable semiconductor manufacturers to advance a more connected and sustainable world.

OUR MISSION:

To be the leading and most trusted materials partner in the global semiconductor industry by providing product innovation and resilient supply chain assurance.



How We're Organized

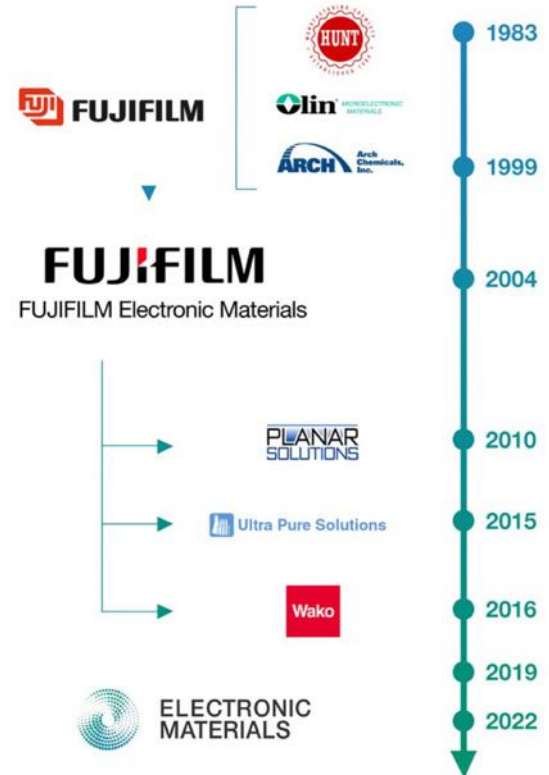


Global Business Directors

- Photoresists**
Hideki Mori
- Core Photoresists & PBO**
Heather Mazjanis
- Wafer Control Mosaic**
Yoshinori Taguchi
- Polyimides**
Stefan Vanclooster
- CMP Slurries & pCMP**
Gert Moyaerts
- Formulated Products**
Frank Krupa
- FUJIFILM Ultra Pure Solutions**
David Diepholz

History of Electronic Materials

- ▶ FUJIFILM Electronic Materials was formed in 2004 through the acquisition of the Arch Chemicals electronic materials business and the remaining 49% share of a long-standing joint venture founded in 1983 between Fujifilm and Hunt Chemicals (which became part of Olin Corporation, and then became Arch Chemicals).
- ▶ In 2010, FUJIFILM Electronic Materials acquired all shares of CMP joint venture Planar Solutions and integrated the company under FUJIFILM Electronic Materials U.S.A., Inc.
- ▶ In December 2015, FUJIFILM Electronic Materials U.S.A., Inc. acquired high-purity solvent manufacturer Ultra Pure Solutions Inc., which became FUJIFILM Ultra Pure Solutions, Inc.
- ▶ In 2016, Fujifilm acquired Wako Pure Chemical Industries. The electronic materials business of Wako, focused on post-CMP cleans and etchants, became part of FUJIFILM Electronic Materials in 2019.
- ▶ Today FUJIFILM Electronic Materials is headquartered in Tokyo, Japan, and has grown significantly worldwide, with 11 manufacturing sites, to \$1.3 Bil. sales.



Our Commitment to Sustainability



The Fujifilm Group's Approach to CSR

The Fujifilm Group's approach to corporate social responsibility is to contribute to the sustainable development of society by putting our Corporate Philosophy into practice through sincere and fair business activities.

Sustainable Value Plan 2030

Introduces measures to resolve social issues through our business activities, including the launch of innovative technologies, products and services, in our aim to develop into a company that can make a greater contribution to creating a sustainable society.

Our Strengths

- ▶ **Broad product manufacturing platform to serve global semiconductor customers on three continents**
 - Excellent track record in supply line security
 - Excellence in new product development & HVM commercialization
- ▶ **Continued investment in Facilities, Equipment, and Methods**
- ▶ **Industry-recognized quality system tailored to meet the demanding requirements of Tier 1 semiconductor companies**
- ▶ **Connected to our customers with strong relationships that encompass current product supply lines and new product introductions for next-generation processes**
- ▶ **Leading-edge functional and analytical metrology capabilities (Acids, Solvents, and Defect Analysis)**

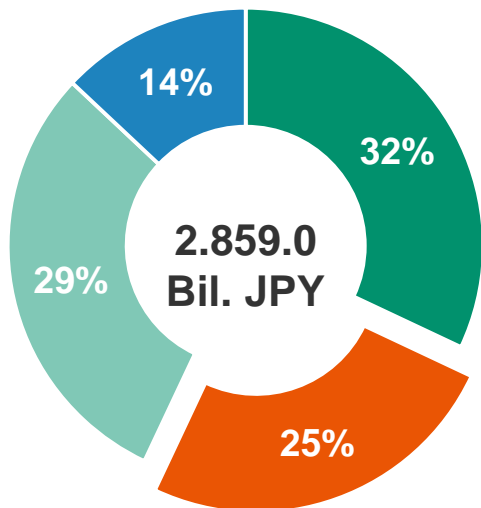




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FUJIFILM Business Segments

FY 2023 Revenue



● **Healthcare** 917.9 Bil. JPY (\$6.7 Bil. USD)

- Medical Systems
- Bio CDMO
- LS Solutions

● **Materials** 692.7 Bil. JPY (\$5.1 Bil. USD)

- Electronic Materials
- Display Materials
- Industrial Products, Fine Chemical, Recording Media
- Graphic Communication

● **Business Innovations** 838.1 Bil. JPY (\$6.2 Bil. USD)

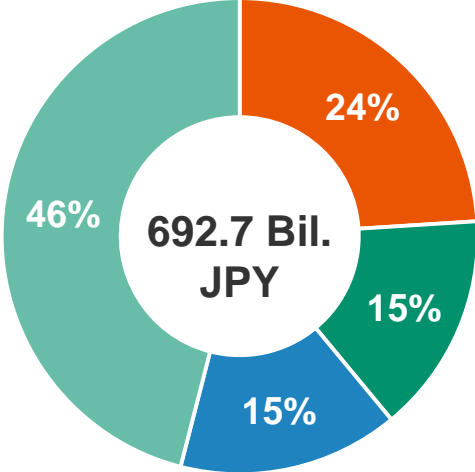
- Business Solutions
- Office Solutions

● **Imaging** 410.3 Bil. JPY (\$3.0 Bil. USD)

- Professional Imaging
- Consumer Imaging

Materials Segment

FY 2023 Revenue



- **Electronic Materials** 180.6 Bil. JPY (\$1.3 Bil USD)
- Display Materials 94.7 Bil. JPY
- Industrial Products, Fine Chemical, Recording Media 85.7 Bil. JPY
- Graphic Communication 289.4 Bil. JPY

Advanced Materials

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