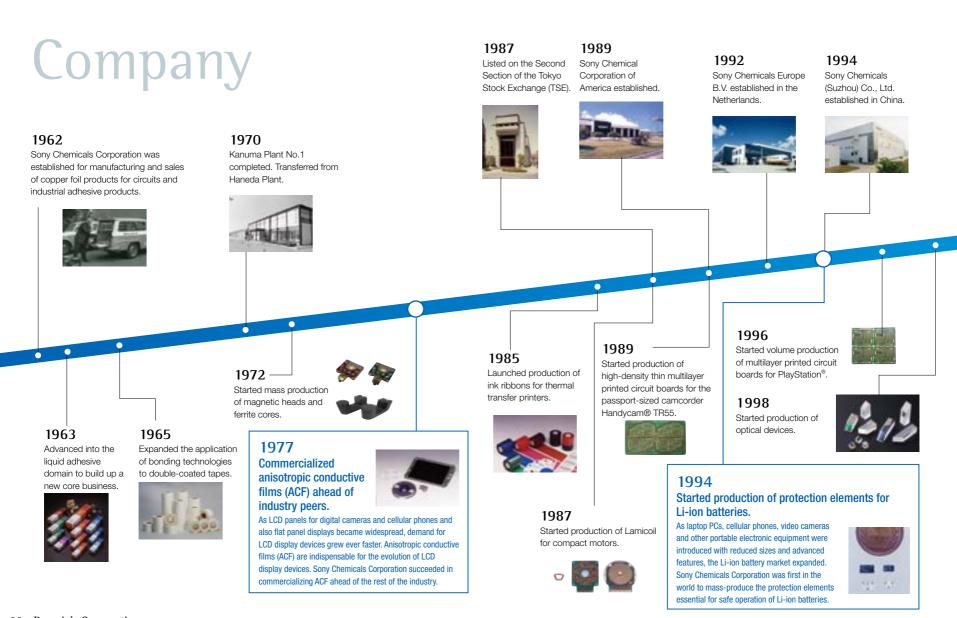
# Unceasing pursuit of "unprecedented innovation, unprecedented value"



For over 50 years since the days of our predecessor Sony Chemicals Corporation, we have been delivering new value to the world.

The value we have created is embodied in technologies indispensable for the advancement and safety of products and that enhance convenience, including through miniaturization, thinning, and greater visibility.

Capitalizing on the unique technologies we have cultivated over many years and new technologies yet to be developed. we will continue our pursuit of value.

2020

2020 -

Developed Infra-Aid, a brand of leak repair

products specifically for

repair and maintenance of

infrastructure equipment.

Developed anti-reflection

Developed Jettable SVR.

corresponding to inkjet

optical elastic resin

coating.

film AR Film HD Series.

Dexerials Precision Components Corporation established.

Tochiqi Technology Center started operations.

2016



2021

Headquarters changed to Shimotsuke-shi. Tochigi. Tokyo Office moved to Kyobashi, Chuo-ku, Tokvo.

## 2000

Sony Chemicals Corporation was delisted from TSE. Became a wholly owned subsidiary of Sony Corporation.

## 2006

Company name changed to Sony Chemical & Information

### 2013 Dexerials (Shanghai)

Dexerials Kibou Corporation started business.

Listed on the First

Section of the

Exchange (TSE)

Tokyo Stock

2015

# 2018-

Developed anti-fogging and anti-fouling solutions to prevent clouding and improve the ease of cleaning mirrors.

## 2016

Commercialized ArrayFIX particle-arrayed anisotropic conductive film (ACF).

### 2021

Commercialized the Phosphor Film "PS Series".



### Commercialized SFJ15Amperes T Series, small thin lead-free self control protector.

Device Corporation.

# 2012

Company name changed to Dexerials Corporation, and business launched.

# Dexerials

Corporation established in

China.

2014 Started production of eve shield material for medical use.



## 2015

Started production of Albeedo solar control window film.

## 2013

Started production of PSAtransformable optical elastic resin (hybrid SVR) whose adhesive properties are transformed during UV curing.



is known for its high visibility as well as abilities to improve contrast and shock resistance, hybrid SVR realizes workability equivalent to that of optical clear adhesive. It also reduces color unevenness of display panels caused by shrinkage during curing.

# Started selling of antireflection

2001

Started

2002

production of

touch panels.



production by applying the proprietary technology for anti-reflection film for cylindrical CRTs, which had been developed by Sony Corporation.

## 2004 -

Started production of thermal conductive sheets.



## 2007

Started production of the optical elastic resin (SVR®) to increase the visibility of the display panel.

2008

Started production of inorganic

polarizer for projectors.



Products

chapter 1

chapter 2 Strategy chapter 3
Materiality

chapter 4

chapter 5

IR / Social Contribution Financial Section

chapter 6

Corporate Info

**L**iabliabta

# **Highlights**



No.1



Anisotropic conductive films (ACF) \*1



Optical elastic resins (SVR) \*2



Anti-reflection films produced utilizing sputtering technology \*3

Net sales



 $65,\!830\,{}_{\text{million yen}}$ 

year on year +14.1 %

Operating profit



 $11,\!339_{\,\text{million yen}}$ 

year on year +145.6%

Profit attributable to owners of parent



5,329 million yen

year on year +94.9%

ROE



10.4%

year on year +4.9%pt

Total payout ratio (before amortization of goodwill)



42.2%

Ratio of outside directors

Internal directors

directors 4

Outside

**57.1**%

Ratio of mid-career hires



39.5%

Three-year retention rate for new graduates employed



82.5%

**Number of engineers** 



564

Ratio to No. of employees on a consolidated basis 31.8%

<sup>\*1</sup> The 2020 share for amount of ACF for large-sized and small- to medium-sized displays according to the "2021 Current Status and Future Prospects of the Display-related Market" issued by Fuji Chimera Research Institute, Inc.

<sup>\*2</sup> The 2020 share for total amount of optically clear adhesives (OCR/LOCA) used in bonding displays according to the "2021 Current Status and Future Prospects of the Display-related Market" issued by Fuji Chimera Research Institute, Inc. Optical elastic resin (SVR) is the product name for Dexerials' optically clear adhesives.

<sup>\*3</sup> The 2020 share for amount of surface treatment film (dry coating) according to the "2021 Current Status and Future Prospects of the Display-related Market" issued by Fuji Chimera Research Institute, Inc.

chapter 1	chapter 2	chapter 3	chapter 4	chapter 5	chapter 6	
Introduction	Strategy	Materiality	IR / Social Contribution	Financial Section	Corporate Info	

# **Business Portfolio**

(Note) Each business corresponds to a segment among the disclosed results and net sales include inter-segment sales.

# **Optical Materials and Components Business**

Contribution to net sales

Net sales 28,165 million yen Operating profit 6,278 million yen

42.7%

This business is classified into three categories: optical films, optical resin materials, and optical solutions. These three categories include antireflection films, optical elastic resins, and smart precision adhesives. We have a large share of the global market because of the advanced technology and high quality of our anti-reflection films which are our mainstay products.



### **Anti-reflection films**

The dry-type anti-reflection films realizing outstanding low reflection property and abrasion resistance contribute to improved visibility of mobile devices and automotive displays such as center information displays. Lineup including DxShield®, eye shielding materials for medical use featuring low reflectance and high visual transmittance utilizing our microfabrication technology.



### UV-curable / thermo-curable adhesives

Our "SA Series" of smart precision adhesives comprises adhesives for UV curing, thermosetting, and UV + thermosetting. This series accomplishes low temperature fast curing, along with low shrinkage, and is ideal for precision affixing during assembly such as camera modules and optical pickups.



### Optical elastic resins (SVR)

Highly permeable and elastic resin is embedded in air gaps in devices such as smartphones and tablet PCs to realize slim profiling and improved visibility. Our lineup also includes a PSA-transformable optical elastic resins (hybrid SVR) for small-tomedium-sized flat panel displays (FPD) whose adhesive properties are transformed by UV curing to realize workability equivalent to that of optical clear adhesive.



### UV-curable resin for optical discs

UV-curable resins for optical disc media, such as DVD and Blu-ray Disc. Suitable for forming a corrosion-protection coating for the recording layer and for forming the base and cover layers of Blu-ray Disc media.

# **Electronic Materials and Components Business**

to net sales

Net sales 37,801 million yen Operating profit 6,858 million yen

This business is classified into the four categories: adhesive materials, anisotropic conductive films, surface mounted type fuses, and micro devices. Due to our advanced technology and high quality, we have a large share of the global market for anisotropic conductive films (ACF), our mainstay products, which we were the first in the industry to develop and put into mass production in 1977.



### Anisotropic conductive films (ACF)

Anisotropic conductive films are conductive adhesive materials that exploit electrical properties to conduct two components vertically while keeping mechanical performance by adhesion. Widely adopted for display panels and camera modules.



# Thermal conductive

Thermal conductive sheets conduct the heat generated from IC chips such as CPUs to the heat sink to protect device performance. We offer silicone sheets featuring high thermal conductivity and flexibility, acrylic sheets, and carbon fiber sheets for applications that generate large amounts of heat such as network servers of wireless base station.



### Solar cell conductive films for photovoltaic modules

This film-type bonding material is used to bond solar cells with the metal ribbon that collects electricity generated by the cells. The material is capable of bonding at a lower temperature than conventional soldering. Thus, cells undergo less thermal strain from heating, which helps improve yield during module production.

### Surface mounted type fuses

Self control protectors (SCP) that immediately interrupt overcharge or overcurrent in Li-ion rechargeable batteries are standard fuses for secondary protection devices. We also offer a lineup of power current protector (PCP) fuses for high-current applications, which despite being thinner and smaller, protect electronic devices from overcurrent.



### Inorganic polarizers / Inorganic waveplates

These optical devices have high durability to withstand long hours of use in high temperature and high light intensity environments, and achieve high transmittance and low reflectance with its nano-level processing technology and a unique thin-film microstructure. They boost the brightness and contrast of projectors and optical units that use laser light sources.



### Sputtering targets

Our sputtering targets are widely used by manufacturers of electronic and electric devices for semiconductor chips, recording media of various optical disk formats, and more. High purity and uniform structure contribute to higher productivity while our various irregular-shapeprocessing technologies extend lifetimes.

 chapter 1
 chapter 2
 chapter 3
 chapter 4
 chapter 5
 chapter 6

 Introduction
 Strategy
 Materiality
 IR/Social Contribution
 Financial Section
 Corporate Info

# The application field of Dexerials products is extensive and diverse

### **Around Town** Offices & Schools Smartphones UV-curable / Thermosetting Laptop PCs ▶ Anti-reflection films adhesives Anisotropic conductive films ▶ Surface mounted type fuses ▶ Thermal conductive sheets Tablets PCs Projectors ▶ Optical elastic resins (SVR) ▶ Anisotropic conductive films General-purpose double-▶ Inorganic polarizers / ➤ Surface mounted type fuses (ACF) Inorganic waveplates coated tapes Automobile ▶ General-purpose double- Thermosetting tapes for FPC Servers Please refer to P7 coated tapes UV-curable / Thermosetting ▶ Thermal conductive sheets ▶ Dustproof nets with Electric motorcycles adhesives adhesive for speakers ➤ Surface mounted type fuses ▶ Thermosetting tapes for FPC Home Televisions / laptop PCs Thermal conductive sheets ▶ Anisotropic conductive films ▶ Optical elastic resins (SVR) (ACF) ▶ Thermosetting tapes for FPC Surface mounted type fuses **Medical Facilities** · General-purpose doublecoated tapes Cordless electric power Dustproof nets with tools / vacuum cleaners Protective gear for health professionals ▶ Surface mounted type fuses adhesive for speakers ▶ Eye shield material for medical use (DxShield®) Factories / Others ▶ UV-curable / Thermosetting Artificial ventilators adhesives Surface mounted type fuses Factories ➤ Water treatment agents Solar Panels ▶ Solar cell conductive films for photovoltaic modules

For further details, please visit our website.

https://www.dexerials.jp/en/ir/about/place.html

chapter 1	chapter 2	chapter 3	chapter 4	chapter 5	chapter 6	
Introduction	Strategy	Materiality	IR / Social Contribution	Financial Section	Corporate Info	

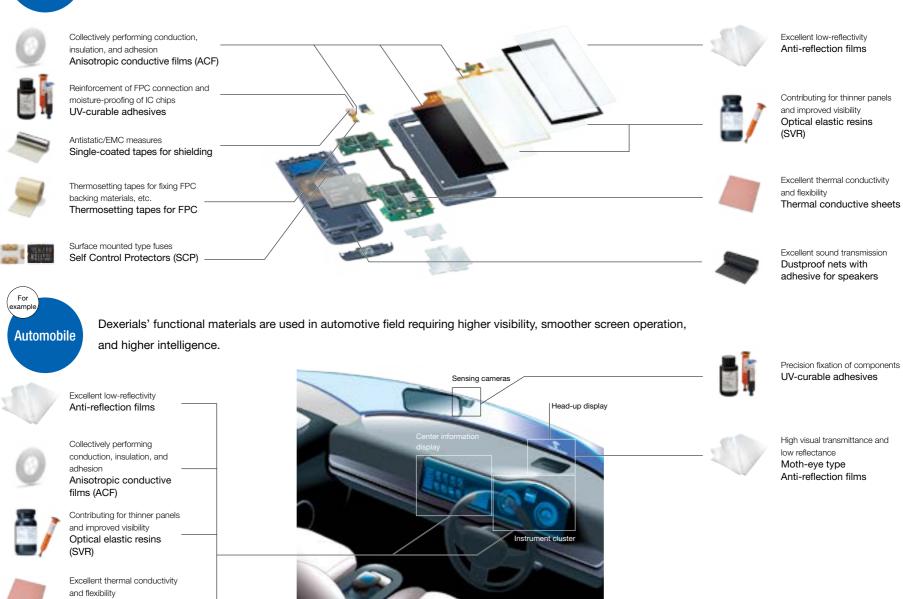


Thermal conductive

sheets

Smartphones have become thinner and more sophisticated.

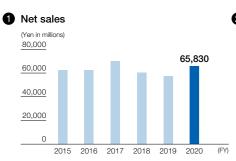
To mount numerous circuit boards and components within limited space, Dexerials' functional materials are used.

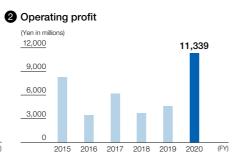


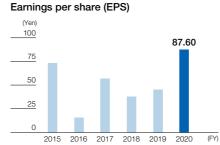
# Financial and Non-financial Highlights

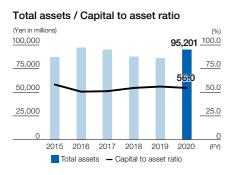
	chapter 1	chapter 2	chapter 3	chapter 4	chapter 5	chapter 6
•	Introduction	Strategy	Materiality	ality IR/Social Contribution Financial Section		Corporate Info
	EV2015	EV2016	EV2017	EV2018	EV2010	EV2020

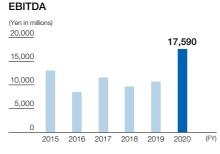
Consolidated financial performance indic	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	
Net sales	(Yen in millions)	62,654	62,598	70,079	60,580	57,710	65,830
Operating profit	(Yen in millions)	8,306	3,491	6,178	3,724	4,617	11,339
Profit attributable to owners of parent	(Yen in millions)	4,587	949	3,426	2,284	2,734	5,329
Earnings per share (EPS)	(yen)	73.16	15.85	56.91	37.73	45.05	87.60
Total assets	(Yen in millions)	87,296	97,347	94,958	87,586	86,279	95,201
Capital to asset ratio	(%)	59.6	52.1	52.6	56.0	57.5	56.0
EBITDA	(Yen in millions)	13,083	8,543	11,561	9,680	10,786	17,590
ROIC	(%)	7.4	2.7	5.6	3.3	4.4	11.4
ROE	(%)	8.6	1.9	6.8	4.6	5.6	10.4













### Explanation of key aspects of financial performance

1 2 In addition to increases in sales for antireflection film and Anisotropic Conductive Film (ACF), which are our differentiating technology products, and Surface mounted type fuses, productivity of anti-reflection film and ACF improved as well, leading to significant increase in profitability.

	Introduction	Strategy	Materiality	IR / Social Contribution	Financial Section	Corporate Info
Non-financial indicators	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
CO <sub>2</sub> emissions (ten thousand tons of CO	D <sub>2</sub> ) 4.5	4.6	4.8	4.9	4.6	4.5
Water usage (ten thousand ton	as) 20	24	26		29	27
VOC emissions (ton	as) 46	55	42	46	37	36
Waste emissions (ten thousand ton	0.21	0.21	0.24	0.29	0.26	0.25
Number of employees (consolidated basis) (person	2,317	2,124	1,981	2,005	1,999	1,772
(non-consolidated basis) (person	1,718	1,600	1,585	1,603	1,604	1,313
Composition of Directors and Number of Board of Directors (total / outside / female) (person	10/7/2	10/7/2	10/7/2	10/7/2	10/6/1	9/6/1
Percentage of employees with disabilities (9	%) 2.98	3.28	3.38	3.40	3.40	3.37

62.4

14.4

chapter 2

chapter 1

chapter 3

chapter 4

67.2

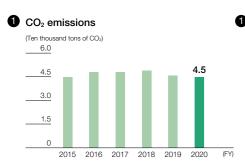
15.3

chapter 5

chapter 6

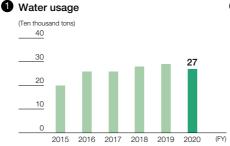
60.0

13.7



Average number of days of paid leave taken

Rate of taking paid leave

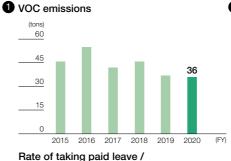


59.4

13.7

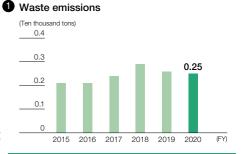
(%)

(days)



61.8

14.2



68.4

15.7

