

August 30, 2021

ADEKA CORPORATION

ADEKA to Expand Production Capacity for Photoacid Generators for Cutting-Edge Photoresists at its Chiba Plant

ADEKA CORPORATION (President and Chief Executive Officer: Hidetaka Shirozume) has decided to expand production capacity for Photoacid generators used for the cutting-edge lithography process of semiconductors, including extreme ultraviolet (EUV).

The Photoacid generator *ADEKA ARKLS series* has enjoyed favorable sales, driven by the emergence of 5G communications, lifestyle changes such as teleworking, and the upsurge in demand for semiconductors. *ADEKA ARKLS series* boasts the world's top performance, characterized by fine patterning and low metal control at the level of parts per billion (ppb).

The use of EUV exposure, the latest lithography technology, is expected to grow with advances in the refinement of semiconductors. Technical innovation is required for the Photoacid generators for the old lithography. ADEKA is investing in state-of-the-art equipment that materializes low metal control of less than 1 ppb to accelerate the provision of products for EUV. The conventional technology is not capable of realizing low metal control at that level. Using the production equipment to be introduced, we plan to produce peripheral materials for semiconductors that become needed as refinement advances.

ADEKA will contribute to realizing an ICT society by providing cutting-edge semiconductor materials.



▲ Chiba Plant view

◆ Outline of Expand Production Capacity

Location	Chiba Plant: Sodegaura shi, Chiba pref. JAPAN
Investment value	2.7 billion yen
Total floor area	1,698 m ² * Newly established from the current 280 m ²
Production capacity	At least twice the conventional capacity
Schedule	Construction commencement : March 2022 Commencement of commercial operation: Within FY2023

Supplementary notes:

1: About **ADEKA ARKLS series**, **ADEKA photoacid generator**

ADEKA ARKLS series is the initiator for photoresists. The product is used to generate acids through reaction to specific light and electron rays to realize fine patterning in the semiconductor lithography process.

The use of cutting-edge lithography: A further increase in sales can be expected as an indispensable product for photoresists used for lithographic exposure with argon fluoride (ArF) and extreme ultraviolet (EUV).

2: Information about **ADEKA's Electronics and IT Materials Business**

The Electronics and IT Materials Business provides *SOZAI* (our Excellent Value; products, technologies and services), which means indispensable cutting-edge materials for the development of ICT society in the semiconductor and display fields.

Its product portfolio consists of highly profitable products that have the highest global market share. For instance, *ADEKA ORCERA series*, the high-dielectric material series, has a global market share of 50% or more for the application for DRAM, the most advanced semiconductor memory.

ADX 2023 (from FY2021 to FY2023), the mid-term management plan of ADEKA Group, positions the next-generation ICT field as one of the important fields to enhance scale dramatically.

◆ **Electronics and IT Materials Business Target in the MTMP from FY2021 to FY2023**

KPI for FY2023:	OP	11 billion yen
	Net Sales	44.1 billion yen
Capital investment plan:	9.5 billion yen (3-years total)	

- ADEKA's Electronics and IT Materials Business was explained in detail at the briefing on financial results for the 1st quarter of the FY2021 and on the Electronics and IT Materials Business. Please refer to the materials posted on our [website](#).

■ Contacts

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