

PRESS RELEASE

4/14/2026

To all members of the press

SOLIZE PARTNERS Corporation

**SOLIZE PARTNERS and Daicel Begin Joint Development of 3D Printing Technology
Using Liquid Crystal Polymer (LCP)****~Starting in April verification and manufacturing support services using a dedicated printer~**

SOLIZE PARTNERS Corporation (Headquarters: Chiyoda-ku, Tokyo; Representative Director & President: Yusuke Inoue) has begun the development of 3D printing technology using liquid crystal polymer (LCP) in collaboration with the High Performance Polymers Small Business Unit (SBU) of Daicel Corporation (Headquarters: Osaka-shi, Osaka; President & CEO: Yasuhiro Sakaki).

During this initiative, SOLIZE PARTNERS will install a dedicated 3D printer at its Yamato Plant and will begin offering verification and manufacturing support services starting in April 2026.

Because LCP rapidly solidifies after being melted, it has traditionally been considered difficult to use with conventional fused filament fabrication (FFF)-type 3D printing methods.

In this initiative, LCP has been 3D printed by combining high-speed movement of the build table with the use of a small-diameter nozzle within an FFF-based process.

Furthermore, by aligning LCP along the print direction, it becomes possible to produce parts with functionality that surpasses that of injection-molded components.

This technology is expected to deliver the following benefits:

- Controllable mechanical properties, dielectric constant, and thermal conductivity
- Elimination of molds, enabling shorter lead times, and lower-cost part production
- Expansion of application possibilities as a new processing method for LCP

By leveraging 3D printing technology using LCP, SOLIZE PARTNERS will further advance both fabrication technologies and applications, aiming to create new value through 3D printing. The company will continue to proactively adopt advanced technologies and contribute to the evolution of digital manufacturing.

■ About Daicel Corporation

Daicel Corporation is a major Japanese chemical manufacturer founded in 1919. The company provides products across a wide range of fields, including healthcare, medical, IoT technology, safety components, materials, and engineering plastics.

Its High Performance Polymers SBU (which will assume the engineering plastics business of Polyplastics Co., Ltd. as of April 1, 2026) produces and supplies polyacetal (POM), polybutylene terephthalate (PBT), polyethylene terephthalate (PET), liquid crystal polymer (LCP), polyphenylene sulfide (PPS), and cyclic olefin copolymers (COC).

■ SOLIZE PARTNERS Corporation

Established: January 2025

Location:

(Head Office) Sanban-cho UF Bldg. 3F, 6-3, Sanban-cho, Chiyoda-ku, Tokyo

(Global Engineering Center-Yamato) Sanki Yamato Bldg. 1F, 7-10-1, Chuurinkan, Yamato-shi, Kanagawa

Representative: Yusuke Inoue, Representative Director & President

Capital: 10 million yen (100% of SOLIZE Holdings Corporation)

Number of employees: 1,317 (as of December 2025)

Business description: Product development contracting, Engineer dispatch, Consulting, 3D printing prototyping, Final product production, Introduction of 3D printer equipment, sales and construction of engineering systems.

URL: <https://partners.solize.com/en>

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