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## Launch of the world's first hollow structure LTCC

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Adamant Namiki Precision Jewel Co., Ltd. (Adachi-ku, Tokyo; Shoji Namiki, President) has commenced sale of our newly-developed, hollow structure LTCC substrate.

The hollow structure in the substrate can be used as gas and liquid flow path, or filled with materials to make a substrate with special characteristics.

The hollow structure LTCC with conductive wiring in the inner layer is the first of its kind. It can be used in various applications such as nozzles for atmospheric-pressure plasma cleaning devices, or gas/liquid component analyzing sensors.

Using our lineup of both standard LTCC and our new hollow structure LTCC, as well as by combining our



diamond and sapphire substrate manufacturing and processing technologies with our fine ceramics (ferrules, sleeves, bonding capillaries, etc.), Adamant Namiki aims to propel the optical semiconductor, medical, and bio industries, strengthen competitiveness, and drive new growth.

### ■LTCC (Low Temperature Co-fired Ceramics)

Low-temperature firing makes it possible to use low-resistance metal for the conductor, and LTCC's low loss makes it ideal for applications that require characteristics such as high frequency. In addition, multi-layering and flattening are easy.

#### **Adamant Namiki Precision Jewel Co., Ltd.**

Head quarters : 3-8-22 Shinden, Adachi-ku, Tokyo 123-8511 Japan

Established : August 28, 1953    Capital : 100,000,000 yen    Employees : 500

President : Shoji Namiki    URL : <https://www.ad-na.com/en>

Adamant Namiki's business is founded on processing technology that we developed in the niche market of industrial jewels. Using this core technology, we handle everything from materials to processing to supply parts to a wide range of industries, including semiconductor, communication, medical device, and precision instruments. By taking advantage of the unique properties of jewels, we help our customers take their products from design to reality.

#### **【For Inquiries】**

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