

AGC Ceramics Establishes Joint Venture for BRIGHTORB™ Business for 3D Printers in China

Tokyo, September 16, 2022-AGC Inc. (Headquarters: Tokyo, President: Yoshinori Hirai) hereby announces that its 100% subsidiary AGC Ceramics Co., Ltd. (Headquarters: Tokyo, President: Masaru Ota) in partnership with AMSKY Technology Co., Ltd., Roland DG Corporation, and Jingdezhen Changnan New Area Zhongxi Investment Partnership have established CERAWEI TECHNOLOGY CO.,LTD, a joint venture in Jingdezhen, China, to expand sales of the 3D printing material BRIGHTORB™*1, etc. in China. AGC Ceramics will develop new markets and expand materials sales in China through partnerships with other companies.

Company Profile

Name of joint venture	CERAWEI TECHNOLOGY CO.,LTD
Location	Jingdezhen, Jiangxi Province, People's Republic of China
Capital	US\$2.85 million
Investment ratio	AMSKY Technology Co., Ltd. 51%, Jingdezhen Changnan New Area Zhongxi Investment Partnership 24%, AGC Ceramics Co., Ltd. 20%, Roland DG Corporation 5%
Products and services provided	Sales of binder jetting*2 3D printers that output ceramic materials, sales of peripheral equipment, sales of ceramic materials and supplemental material, contract molding services for formed objects, education and output experience services
Target market	China Other regions (Planned to be sold by Roland DG Corporation after 2023.)
Commencement date of business	August 2022
Sales target	Approximately ¥6 billion in 2026

Located in northern Jiangxi Province, Jingdezhen is one of the world's leading ceramic and pottery production centers with a history of over 1,000 years. Many of the intricate and delicately shaped ceramics are produced by traditional handicrafts, making industrialization a challenge. In addition, a shortage of successors is becoming a serious problem, as it takes an enormous amount of time to learn traditional skills. CERAWEI TECHNOLOGY CO.,LTD will solve these issues and contribute to the creation of an affluent society through ceramics technology by adopting the digital technology of 3D printing as a new ceramics manufacturing method in Jingdezhen City.

*1 BRIGHTORB™: Ceramic material for 3D printers manufactured and sold by AGC Ceramics.

*2 Binder jetting method: A 3D printing method in which a liquid binder is injected from the nozzle of the print head into the powder that will be used as the main material to create the object being printed.

<Media inquiries>

Chikako Ogawa, General Manager, Corporate Communications & Investor Relations Division
AGC Inc.

(Contact: Fujiyama; Tel: +81-3-3218-5603; [Contact form](#))

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< Reference >

Binder jetting 3D printers can output fine hollowed-out ceramic 3D printed objects and other objects that cannot be produced by cutting machines. The surface of BRIGHTORB™ object can be glazed to provide color expression. In addition to creative uses in ceramics and pottery, we expect to further develop ceramic materials for engineering uses as casting molds and refractories to expand their applications.

■Output samples



Ceramic plate using binder jetting 3D printer



Artwork crafted using a binder jetting 3D printer



Molds for casting and cast parts

Ceramic modeling for 3D printers
BRIGHTORB™

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■ **AGC Ceramics Co., Ltd.** (<https://agcc.jp/en/tabid/158/Default.aspx>)

Centering on ceramic materials for industrial furnaces, AGC Ceramics provide products and services that utilize our manufacturing, development, and engineering technologies in the glass engineering business and the environment and energy business. The company contributes to the reduction of environmental impact through various energy-saving proposals. Capital: 3.5 billion yen, 100% investment by AGC Inc. Approximately 260 employees (non-consolidated) (as of 2022).

■ **AMSKY Technology Co., Ltd.** (<http://www.amsky.cc/en/>)

AMSKY Technology was established in 2006 and listed on the Shenzhen Stock Exchange (ChiNext) in 2016. With more than 10 years of accumulated technology, AMSKY has now become a well-known enterprise in the CTP (Computer to Plate) industry and also produces sand 3D printer machines, its main product in the 3D modeling field. AMSKY is a high-tech company that focuses on the R&D of industrial printing core technologies and the integration of numerous technologies (micro-electromechanical systems (MEMS), high-power lasers, precision manufacture and intelligent control). It has grasped its three core technologies namely laser technology, piezoelectric inkjet printing technology and precision motion control systems, and is working to reform traditional manufacturing with digital, intelligent and green printing technology, as a company striving for returning to nature and making the world better.

■ **Jingdezhen Changnan New Area Zhongxi Investment Partnership**

Jingdezhen Changnan New Area Zhongxi Investment Partner Enterprise (Limited Partner) was established on March 29, 2022 and is a self-funded enterprise engaged in investment activities.

■ **Roland DG Corporation**(<https://www.rolanddg.com/en>)

Roland DG Corporation is a solution provider in the field of digital printing. Its main products, commercial inkjet printers and cutting machines, promote the digitalization of industrial and commercial printing and are used in a wide range of applications, from the production of advertising signs, posters, stickers, and labels to decorative printing on apparel, goods, smartphone cases, and other personal items. In recent years, the company has been actively working to create new value through digital transformation, including the development of connected services that bring security and comfort to users' printing operations and support improved business productivity, and a design platform that allows individual customers to easily enjoy original printing.

Contact for inquiries regarding the establishment of the joint venture and products

AGC Ceramics Co., Ltd., Additive Manufacturing Office, Osujo ,Ashida (Tel +81-3-5442-9191)

Special site for BRIGHTORB: <https://brightorb.jp/en/>

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