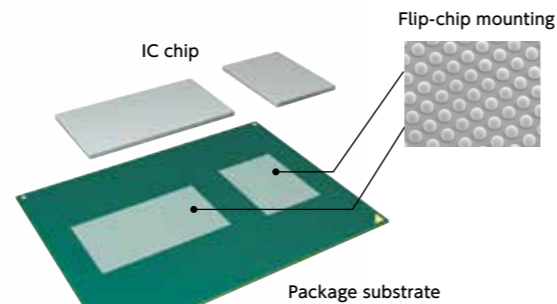


With our leading - edge technologies, we lead the world in the electronics field.



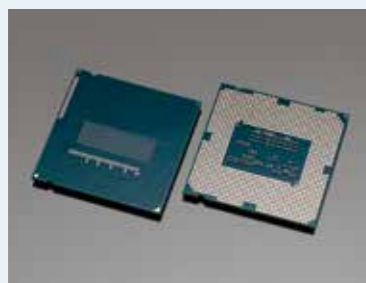
PC Components

We mainly provide IC Package Substrate mounted with the latest flip chips, used in products such as MPUs and chip sets of computers (PC) and products designed for gaming machines. Furthermore, we collaborate with our business partner semiconductor manufacturers from the stage of their next generation development and beyond, offering high quality, high reliability products and technologies in a timely manner.

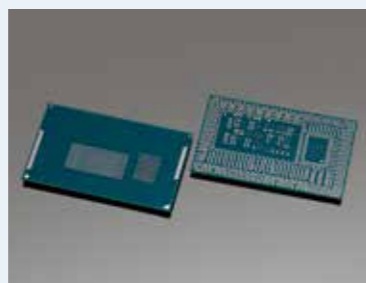
IC Package Substrate (FC-PKG)

Roles of IC Package Substrate

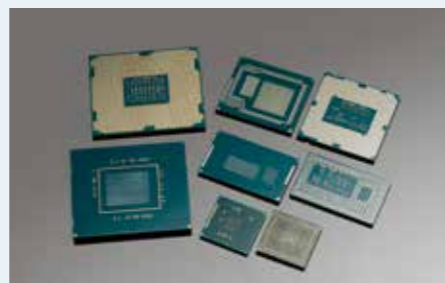
Nanometer wiring on IC chip does not directly interconnect with micrometer wiring on Printed Wiring Board (PWB). An IC package (a board with various electronic components mounted) makes it possible to bridge the nano-and micron-world as well as to protect IC chip from external dirt and humidity. IC package substrate is important components that function together with IC chip, and IBIDEN continually builds added value together with the improvement in IC chip technology.



IC Package Substrate for desktop PC



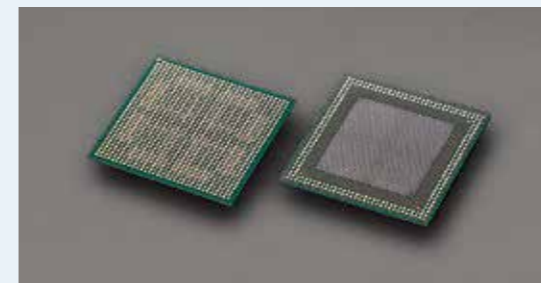
IC Package Substrate for mobile PC



Small & Thin IC Package Substrate (FC-CSP)

Roles of FC-CSP Substrate

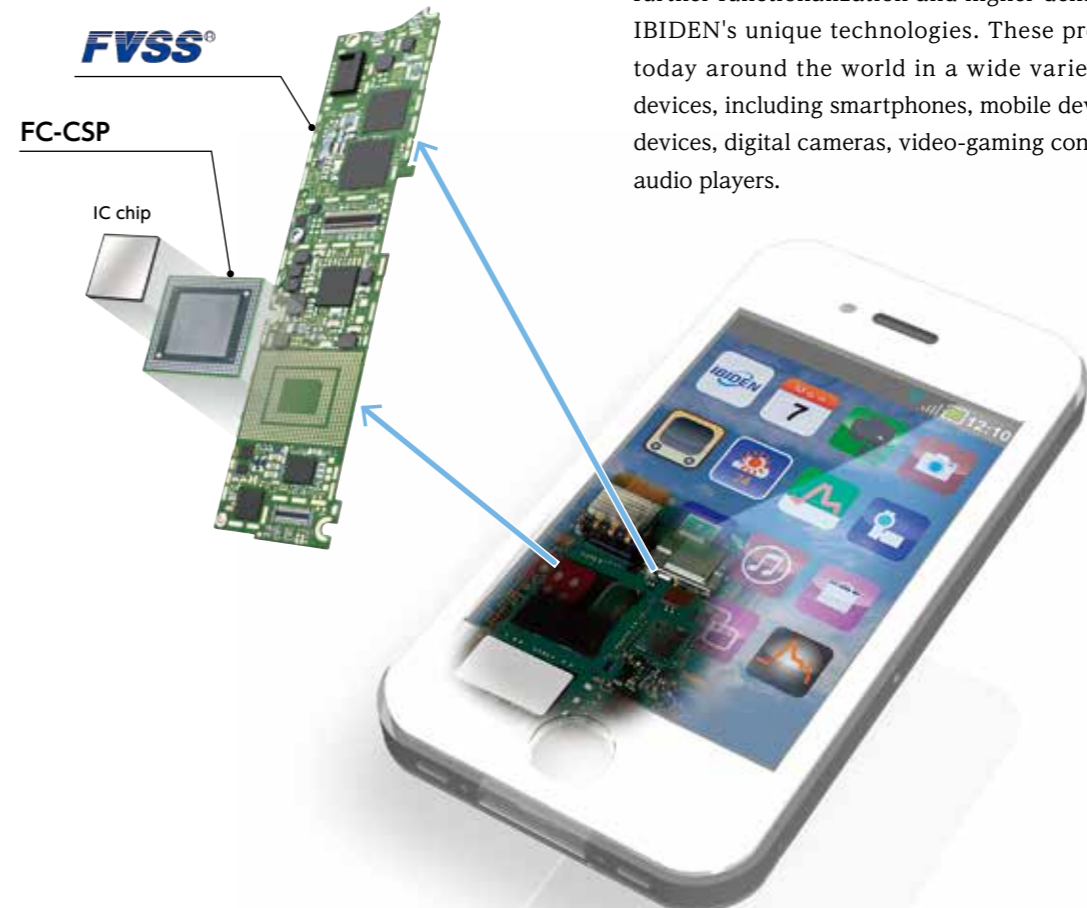
This product is important components for connecting IC chips, which serve as the brain of a smartphone, to Printed Wiring Board (PWB). IBIDEN provides thin, high-density substrate that can be mounted with the latest flip chip (FC) to support a smartphone's various functions.



FC-CSP Substrate

Smartphone and Tablet-type Device Components

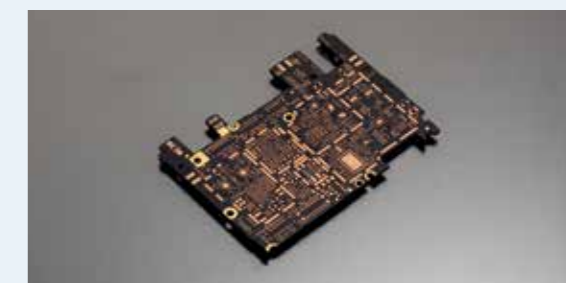
Mobile Device Components are Printed Wiring Board (PWB) and Small & Thin IC Package Substrate achieving further functionalization and higher density by means of IBIDEN's unique technologies. These products are used today around the world in a wide variety of electronic devices, including smartphones, mobile devices, tablet-type devices, digital cameras, video-gaming consoles and mobile audio players.



Printed Wiring Board (PWB)

Features of FVSS and the e-Flex Substrate

Free Via Stacked Up Structure (FVSS) enables free circuit design and highdensity wiring, allowing more miniaturizing electronic components to be mounted. Furthermore, the e-Flex substrate realizes space saving by combining FVSS and a bendable flex substrate to eliminate the use of a connector for connecting substrates.



FVSS® e-Flex

We explore new possibilities for ceramic products by evolving our core technologies nurtured over many years.

Automotive Exhaust System Components

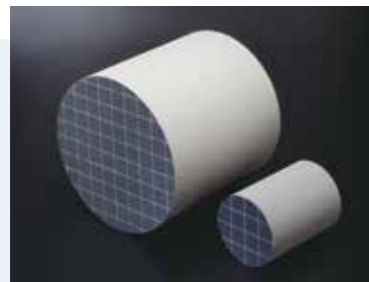
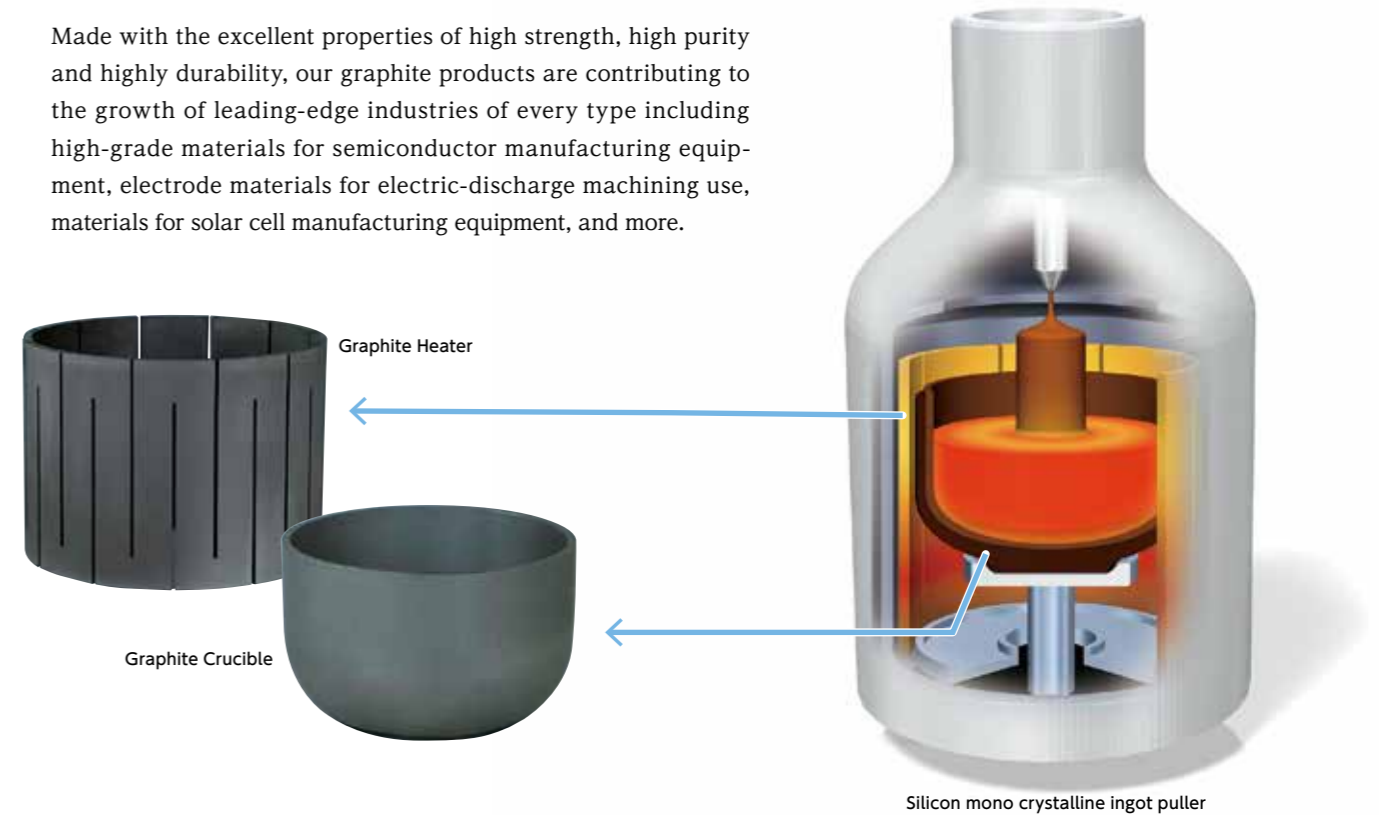
Diesel Particulate Filter (DPF), which can trap 99% or more of the black smoke emitted by diesel engines*, have grown as a standard component of the industry due to their performance and reliability. In the category of Substrate Holding Mat (MAT), we also provide products that meet market trends, achieving a high reputation and share in the market. We will continue to develop high-performance products and to reduce damage to the environment for the next generation.

*The Company's estimate



Graphite Specialty

Made with the excellent properties of high strength, high purity and highly durability, our graphite products are contributing to the growth of leading-edge industries of every type including high-grade materials for semiconductor manufacturing equipment, electrode materials for electric-discharge machining use, materials for solar cell manufacturing equipment, and more.



SIC-DPF (Diesel Particulate Filter)



Automobile NOx reduction catalyst



Substrate Holding Mat (MAT)



Heat resistant components



Electrodes for electric discharge machining EDX-7

NOx reduction catalyst for industrial plants



Stationary NOx reduction catalyst



Thermal power station

High Temperature Insulation Wool

Offering excellent heat resistance and insulating performance, this is available as both material and formed products, and is widely used in industrial products such as sintered bodies and fuel cells.



IBI WOOL-E



IBI WOOL-E 2PM

Technologies and products developed through “IBI-TECHNO” are applied extensively in a variety of fields.

“IBI-TECHNO”

The common spirit of all company people, expressing our determination to create new technologies through fusions and composites of our proprietary technologies.

Housing Materials Business



DOMA LONE “BinO” (left) and interior decorating (right) [IBIKEN Co., Ltd.]

Retect Viruhael: high pressure laminates with antiviral effect/wall surface
Monde Booth/toilet booth
Stylish Counter/counter
[IBIKEN Co., Ltd.]

LOAFER “FREEQ HOMES” (right) and interior decorating (left) [IBIKEN Co., Ltd.]

Retect: noncombustible laminates/kitchen counter
IBI TICO: high pressure laminates/cabinet doors
[IBIKEN Co., Ltd.]

IBIKEN Co., Ltd.

1-60, Gama-cho, Ogaki, Gifu 503-8561, Japan Tel:0584-74-3355

Manufacture and sale of interior decorative plywood, residential equipment, housing materials, unique component housing etc.

Construction Business



GT Frame (Slope protection construction) [IBIDEN Greentec Co., Ltd.]

Solar power generation [IBIDEN Engineering Co., Ltd.]



Landscape architecture
(photo: Tokyo Midtown)
[IBIDEN Greentec Co., Ltd.]



Roof greening system
(photo: Aichi Expo Memorial Park Global Citizen Exchange Center*) *Awarded the Chairman Prize of the Organization for Landscape and Urban Green Infrastructure
[IBIDEN Greentec Co., Ltd.]



Low head hydro power system
[IBIDEN Engineering Co., Ltd.]



Environmental measurement and analysis
[IBIDEN Engineering Co., Ltd.]

IBIDEN Greentec Co., Ltd.

3-55, Gama-cho, Ogaki, Gifu 503-0021, Japan Tel:0584-81-6111
Slope and garden construction, greenery planting, etc.

IBIDEN Engineering Co., Ltd.

1122, Kido-cho, Ogaki, Gifu 503-0973, Japan Tel:0584-75-2301
Environmental measurement and analysis, design and installation of mechanical facilities

Other Business



Sale of petroleum products [IBIDEN Industries Co., Ltd.]

Sale and repair of automobiles, sale of insurance
[IBIDEN Industries Co., Ltd.]



Information services [TAK Co., Ltd.]



Sale of mobile communications equipment
[IBIDEN Industries Co., Ltd.]



Production and sale of resin product
[IBIDEN Jushi Co., Ltd.]



Development and production of dehydrated food
[IBIDEN Bussan Co., Ltd.]



Sale and distribution of industrial gases and the related product [IBIDEN Chemical Co., Ltd.]

IBIDEN Industries Co., Ltd.

1-197, Uchiwara, Ogaki, Gifu 503-0936, Japan Tel:0584-89-0777
Sale of petroleum products, mobile communications equipment, sale and maintenance of automobiles, services of logistics, sale and rental of nursing care products and welfare vehicles

TAK Co., Ltd.

4-35-12, Kono, Ogaki, Gifu 503-0803, Japan Tel:0584-75-6501
Software development, network design and construction

IBIDEN Jushi Co., Ltd.

360, Shirotori, Ikeda-cho, Ibi-gun, Gifu 503-2413, Japan Tel:0585-45-2405
Manufacture and sale of foamed-resin products

IBIDEN Bussan Co., Ltd.

339, Arisato, Motosu, Gifu 501-0415, Japan Tel:058-324-1151
Development, processing and sale of agricultural and marine products

IBIDEN Chemical Co., Ltd.

300, Aoyanagi-cho, Ogaki, Gifu 503-8503, Japan Tel:0584-89-7491
Manufacture and sale of industrial gases, the related products and chemical goods, as well as environmental business

IBIDEN Graphite Co., Ltd.

300, Aoyanagi-cho, Ogaki, Gifu 503-8503, Japan Tel:0584-89-6425
Machining and sale of graphite specialty

IBIDEN CAREER TECHNO Corp.

300, Aoyanagi-cho, Ogaki, Gifu 503-8503, Japan Tel:0584-89-7435
Business process outsourcing, business contracting