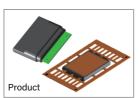
Support System

Service Flow

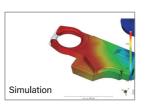
Consultation

Please feel free to contact us by e-mail, phone, or via our website. We would like to know various requests about new and existing products.



Technical proposal and prototyping

Based on the know-how we accumulated over many years, we propose the suitable process to meet customer's needs and challenges. We can conduct rapid prototyping at our laboratories around the world.



Evaluation and verification

We conduct various evaluations on the completed prototype and make improvements. We brush up the product specification for mass production based on feedback obtained through evaluations and verification.



Proposal of mold and equipment

For mass production, we propose optimum mold and equipment. After discussing price and specification, we receive a formal order and then start to design and manufacture the mold or equipment.



Delivery and installation

We ask customer to confirm at our production base if the product can be manufactured according to the specification. After that, we deliver and install the completed mold and equipment at customer's factory.



Bring new products to the market

Please contact us about prototyping other than semiconductor, EMS, and anything else!

Laboratory network for rapid prototyping and evaluation-

We have established 9 laboratories around the world to provide rapid prototyping support near semiconductor manufacturer's development bases. We make efforts for new product development together with customer through prototyping and evaluations to realize mass production quickly.

















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20251101-008-HQ

English

SEMICONDUCTOR EQUIPMENT





Technology

Compression Molding

Less resin flow









Compression molding is the molding method that compresses and cures granular or liquid resin within the cavity with less resin flow.

* Cavity Down Structure is introduced.

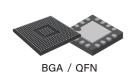
Dispense resin on the bottom cavity and immerse the workpiece set in the upper mold into the melted resin

Suitable for wafer / panel molding

Uniform resin dispense to the end face of workpiece enables high quality molding.

Target product

Feature





Less resin flow prevents defects including chip shift and wire sweep.











RFFE module

Transfer Molding





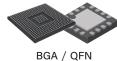


Transfer molding is the molding method of filling the cavity with resin melted in the pot and then curing it.

Feature

- Applicable for complex shaped package Applicable for various shaped packages including individual package and double side package.
- Suitable for exposure molding including chip and substrate exposure package.

Target product















Lead type package

image sensor

Singulation



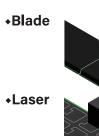
Sawing and singulation process for molded package by blade and laser.

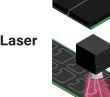
Feature

Offering both blade and laser singulation equipment to meet diverse customer needs.

Bulk / Tray / Ring offload

- Supports a wide range of applications, from small packages to thick packages, substrates, and irregularly shaped cuts.
- In-house developed dicers and handlers deliver high accuracy dicing and high speed handling.









product













Product Line-up





PMC2030

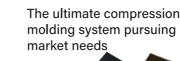




Compression molding system



Target product Large PLP





Target product MAP BGA / MAP QFN

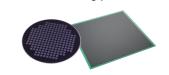


CPM 1080



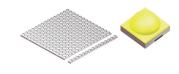


Compression molding system for high-quality and low-cost WLP/PLP molding processes



Target product | WLP / PLP

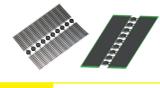
Compression molding system for LED packages with a unique molding method







All-in-one transfer molding system for high quality molding

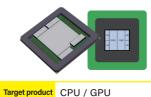


Target product SOP / QFP / QFN





Transfer molding system for 2.5D/3DIC/Chiplet products



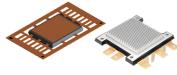
YPM 1120

WINKPIECE TABLET PRESS



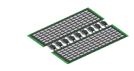


High productivity transfer molding system for lead frames



Target product | IPM / ECU / IGBT

Transfer molding system applicable for exposed die molding and varying package thickness



Target product e-MUF / BGA / DRAM

PSS2040

LGR 1040

WORKPIECE



Singulation system applicable for □330mm panel



Target product BGA / QFN / Substrate Laser type half-cut machine



suitable for wettable QFN

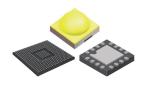
FMS4040



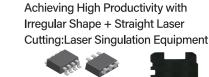
LSG 1040 WINDSAMELLE



Singulation system to reduce manpower



Target product BGA / QFN / LED





Target product BGA / QFN / SOP



packages

