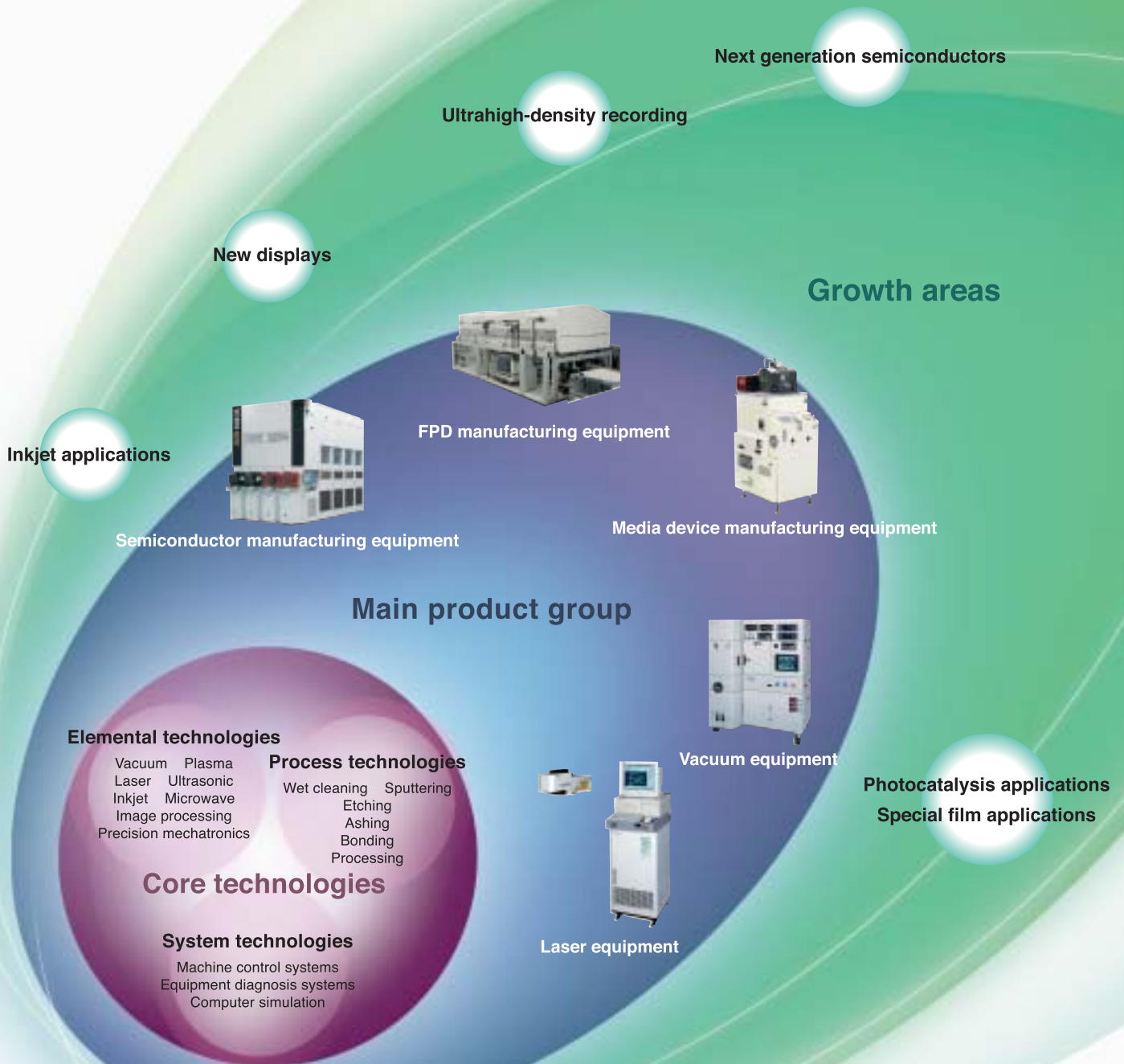


We apply the Group's core technologies to advancing innovation and value creation.

Original technologies and know-how cultivated over many years support us in meeting customer needs through a comprehensive technological approach grounded in "elemental technology," "process technology" and "system technology."

Beyond this, our extensive core technologies support a positive, proactive approach to entering new areas and expanding the scope of our business.



Research and development for next generation products

- 1) Semiconductor related:
Dry process for miniaturization; high productivity single wafer wet process
- 2) Display related:
High precision inkjet coating; precision cleaning
- 3) Media device related:
High speed single substrate sputtering; high quality vacuum bonding; precision transfer
- 4) Solar cell and in-vehicle battery related:
Laser patterning systems; high quality laser welding
- 5) Environment related:
Reduction of environmental loads; including low chemical consumption systems



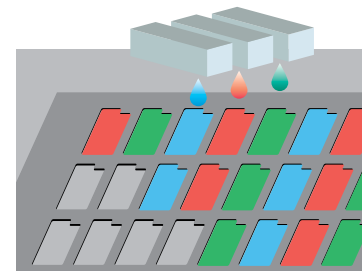
Regular presentations on technological achievements

High density part mounting
New mounting methods

Promoting progress in growth areas

Inkjet applications

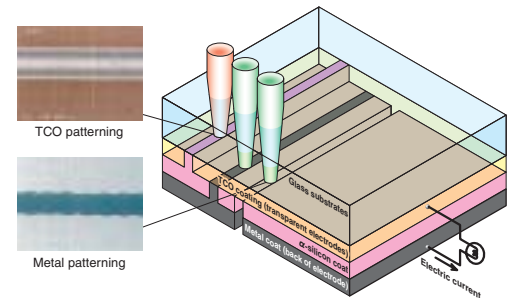
We promote the market for very high precision coating technology for next generation semiconductors, based on inkjet technology cultivated during development of PI coating for LCDs.



Inkjet-based pattern coating and dot coating

Batteries

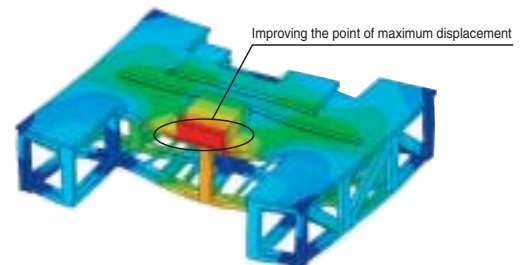
We utilize laser-processing technology to expand business in thin film silicon solar cells. Through a synergy of vacuum, transfer and laser technologies, we promote research in next generation solar cells and rechargeable batteries.



Laser processing for thin-film Si solar cell

Promoting R&D

We direct our energies to achieving the functionality and performance expected of next generation products by advancing cutting-edge core technologies, applying 3D CAD to highly efficient design, and carrying out simulations of phenomenon analysis and optimization.



Simulation-based structural analysis of equipment

Li-ion batteries
Fuel cells
Solar cells