

# Research & Development

The Kyocera Group operates research and development facilities devoted to materials, components, devices, equipment, software and systems. Kyocera also maintains a global research network specializing in production process technologies. We continually work to increase the capabilities of the Kyocera Group by connecting our advanced technologies to grow as an enterprise while contributing to society.

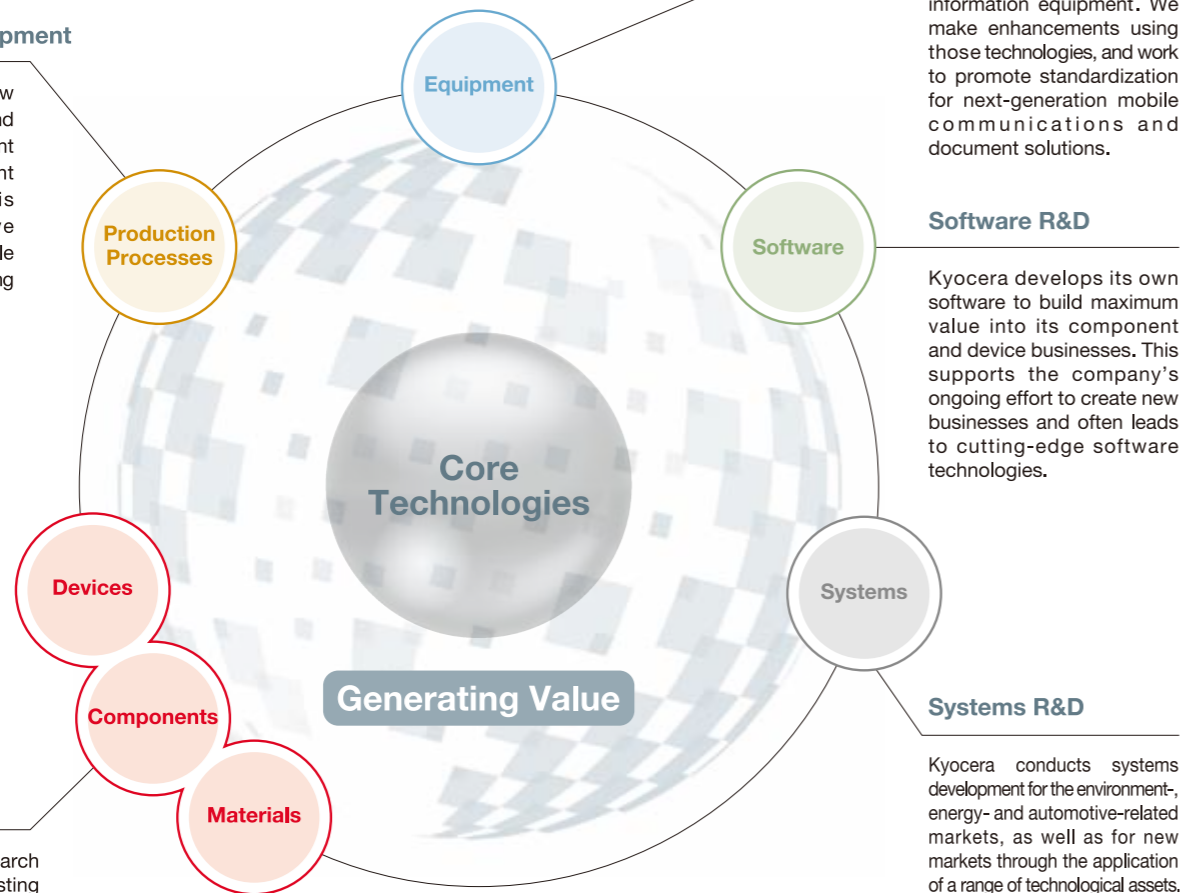


## Manufacturing Technology Development

Kyocera develops new process technologies and manufacturing equipment to create highly efficient production lines. This enables us to improve cost-competitiveness while accumulating manufacturing expertise.

## Components R&D

Kyocera conducts research on components for existing applications, while developing products with the potential to create entirely new markets.



### Equipment R&D

Kyocera develops elemental technologies to create new value in mobile handsets and information equipment. We make enhancements using those technologies, and work to promote standardization for next-generation mobile communications and document solutions.

### Software R&D

Kyocera develops its own software to build maximum value into its component and device businesses. This supports the company's ongoing effort to create new businesses and often leads to cutting-edge software technologies.

### Systems R&D

Kyocera conducts systems development for the environment-, energy- and automotive-related markets, as well as for new markets through the application of a range of technological assets.



## R&D Centers



### R&D Center, Kagoshima (Japan)

Research and development of basic and applied technologies, as well as process technologies for fine ceramics.



### R&D Center, Keihanna (Kyoto, Japan)

Basic research and applied development of optical and electronic devices, photovoltaic cells, and related products using advanced thin-film technologies.



### Yokohama Office (Japan)

Basic research on next-generation wireless communications technologies, development of related equipment, and systems development for core markets.



### Osaka Daito Office (Japan)

Development of high-productivity manufacturing processes and manufacturing equipment.



### KYOCERA Document Solutions HQ R&D Center (Osaka, Japan)

Research and development of printers and multifunctional systems for next-generation document imaging.



### KYOCERA International, Inc. (San Diego, U.S.A.)

While engaged in a wide range of businesses, Kyocera International, Inc. is a research, development and production center for state-of-the-art semiconductor components.



### AVX Corporation (Greenville, South Carolina, U.S.A.)

Research, development, and manufacturing of electronic components to facilitate further miniaturization and weight reduction in electronic equipment.

## A World Leader in Intellectual Property

In 2015, the Kyocera Group was again recognized as a Top 100 Global Innovator. Every year, Thomson Reuters, a worldwide provider of information services, selects 100 companies based on intellectual property attributes in such areas as number of patents, patent success rate, global reach, and influence of patents in citations. This was the second consecutive year Kyocera was given this award. Kyocera is striving to expand its business by positioning R&D-derived intellectual property as a key management asset, and ensuring it is properly protected and developed.

