

Purpose of publication

This publication is being created to widely introduce the achievements of research and development activities conducted by Nikon Corporation. This is a result of R&D based on Nikon's core technologies of "opto-electronics" and "precision" technologies that have been incorporated in new products and/or often valued by external organizations such as academic societies.

Foreword



Representative Director
President

Toshikazu Umatate

We are facing various challenges in an unsettled world. Amid this global context, we aspire to offer solutions that are conducive to realizing a sustainable world, not just for our customers but also for society and the environment.

In April 2022, we announced our Medium-Term Management Plan with our Vision 2030 - becoming “a key technology solutions company in a global society where humans and machines co-create seamlessly.” To achieve this, we continue to steadfastly strengthen our main businesses in imaging and precision equipment, while simultaneously pushing forward commercialization and scaling of our strategic businesses in healthcare, components, and digital manufacturing. Through these businesses, we will strive to meet society’s expectations with “trust” and contribute to society with our “creativity.”

With this report, we hope to give you a glimpse of the technology development taking place in Nikon. This includes product development for ongoing businesses, key foundational technologies for the future, environmentally-conscious materials processing technologies, and more.

Executive Fellow
General Manager
Advanced Technology
Research & Development Division

Masaaki Doi



In these times of rapid change and unpredictability, technology development is expected to be more diverse, adaptive, and rapid than ever. At Nikon, our R&D teams are constantly exercising our ingenuity, striving to meet the diversifying needs of our customers and bring our 2030 Vision to life. We are starting to see tangible fruits of our ongoing efforts in technology development, especially in the strategic domains of business, defined in our Medium-Term Management Plan.

With a focus on technological developments in these strategic domains, we have put together technical descriptions of products launched or announced as well as subjects covered in papers published and well-received at conferences during fiscal year 2022. Continuing our tradition, we are delighted to share these achievements from Nikon Group’s R&D once again this year. While this annual report captures only a fraction of the technologies developed at Nikon, I hope it will help you get acquainted with what we do here at Nikon and give Nikon’s technology momentum to further benefit society and the environment.

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