
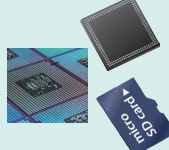
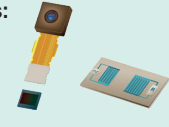










ULVAC's Value Creation <Priority Issues>

Through the provision of value driven by “vacuum technology,” a foundational technology essential for the advancement of industry and science, we strive to realize a safer, more secure, affluent, and convenient society. By delivering products and solutions, we continue to work alongside our customers to contribute to the resolution of key societal challenges.

Social issues	Market Opportunities	ULVAC's Business Activities								Key business values	Customers and their products	Contribution to social issues
		Focus Domains	Semiconductor production equipment	Electronic device production equipment		Display and energy-related production equipment	Components	Industrial equipment	Materials			
<ul style="list-style-type: none">Advancements in digitalization, increasing demand for AI and cloud services, evolution of 5G and IoT, and the development of network infrastructure foundations such as data centers.	<ul style="list-style-type: none">Anticipation of industrial advancements and breakthroughs in technological innovationDiversifying applications and demands for semiconductors and electronic devicesAdvancing device trends toward “miniaturization, high speed, and high capacity” alongside “energy efficiency and low power consumption”	Realization of the digital society Autonomous driving, agriculture, healthcare, etc. 	P.31 See >>	P.32 See >>	P.33 See >>	P.34 See >>	P.35 See >>	P.36 See >>	Response to new semiconductor and electronic device fields and needs by applying vacuum thin-film deposition and other technologies, and R&D of cutting-edge processes through co-creation with customers.	Semiconductor manufacturers, electronic device manufacturers, FPD manufacturers Semiconductors: Memory, logic DRAM, NAND, CPU, AI semiconductor.  Electronic devices: Sensors, MEMS, communication (5G), display MEMS, SAW/BAW  FPD: Display LCD, OLED, μOLED, etc. 	Contribution to the realization of an advanced, convenient, safe, and secure digital society	
	Fundamental technology for the realization of the digital society AI, cloud, IoT, big data 											
<ul style="list-style-type: none">Environmental issues such as global warming and climate changeGlobal energy challenges stemming from dependence on limited resources	<ul style="list-style-type: none">Advancements in renewable and low-carbon technologiesImprovements in energy conversion efficiency	Energy management, next-generation energy 							Enhancing the performance of solar cells and power devices through vacuum deposition, ion implantation, and other technologies, while also contributing to lower power consumption in various devices.	Solar cell manufacturers, battery manufacturers, etc. Energy: Heat generation, power storage, conversion Solar cells, secondary batteries (lithium-ion batteries etc.), power devices, magnets for wind turbines, etc. 	Contribution to the creation of a sustainable society by power generation, energy storage and energy saving	
<ul style="list-style-type: none">Ensuring food safety and security, responding to rapid population growth and soaring food demand in emerging economies, and mitigating food lossResponding to longer life expectancies, advancing health promotion, and meeting the evolving needs in healthcare and medical innovation	<ul style="list-style-type: none">Advancements in long-term preservation methods for food and pharmaceuticalsReduction in volume for storage and transportation	Healthcare, life innovation 							Extending the shelf life and reducing the volume of vaccines, pharmaceuticals, and freeze-dried foods through vacuum freeze-drying and other technologies.	Food manufacturers, pharmaceutical manufacturers, etc. Food, pharmaceuticals: Freeze drying Freeze-dried foods, emergency provisions, supplements, vaccines, etc. 	Contribution to human health, the future of medicine, and the realization of a sustainable society with minimal food loss by means of safe and secure food and pharmaceuticals	
<ul style="list-style-type: none">Aging infrastructure in developed countriesDevelopment of industrial infrastructure in emerging economies and other regionsIncreasing wealth disparity	<ul style="list-style-type: none">Development of Safe, Secure, and Comfortable Infrastructure	Construction, social infrastructure 							Improving the performance of industrial materials and enabling the development of new materials through vacuum heat treatment and other technologies.	Chemical and materials manufacturers, steelmakers, transportation equipment manufacturers, etc. Industrial materials: Heat-treated building glass, industrial materials, materials for transportation equipment, heat exchangers, etc. 	Contribution to the creation of a sustainable society that is safe, secure, and comfortable	