

Stated simply, a vacuum is a space where the pressure is lower than the atmospheric pressure. A vacuum has fascinating properties: for example, materials' lower boiling points in a vacuum mean they are more likely to evaporate and gas molecules can travel in a straight line in a space. ULVAC has developed various application technologies that exploit the properties of a vacuum in its quest to realize the remarkable potential inherent in vacuum technology.

For example, using vacuum technology, it is possible to create ultrathin films with micron-to-nanometer-order thickness. Since such thin films cannot be produced by physically stretching materials, advanced vacuum thin film processing technology is required for depositing layers of atoms or molecules of materials in a vacuum.

Led by IoT, 5G, and AI, a tremendous wave of technological innovation is making the digital society an everyday reality. Vacuum thin film processing technology is destined to fulfill a vital role for the fundamental technologies underpinning the digital society.

ULVAC's Business Segments

Vacuum Equipment Business

Semiconductor and electronic device production equipment

- Semiconductor (memory, logic, power devices, etc.) production equipment
- Electronic device (MEMS, communication devices, optical devices, etc.) production equipment
- Electronic packaging equipment (WL-CSP, FoPLP, etc.)

FPD production equipment

- LCD production equipment
- OLED production equipment
- Roll coaters (vacuum deposition, sputtering)

Components

- Vacuum pumps
- Vacuum gauges
- Helium leak detectors
- Process gas monitors
- Power generators for deposition processes
- Vacuum valves
- Film deposition controllers
- Vacuum robots

Industrial equipment

- Vacuum heat treatment furnaces
- Vacuum melting furnaces
- Vacuum brazing furnaces
- Rare-earth magnet production equipment
- Vacuum freeze-drying equipment
- High-vacuum distillation equipment
- Micro powder dry
- Automatic helium leak testers

Vacuum Application Business

Materials

- Sputtering target materials
- High-melting-point materials and production of components
- Nano-metal ink

Other

- Surface analyzers
- Controllers
- Mask blanks, etc.

Major Vacuum Equipment

Sputtering equipment, vacuum evaporation equipment, CVD equipment, etching equipment, ashing equipment, ion implantation equipment, annealing equipment, etc.

ULVAC VALUE REPORT 2022 TABLE OF CONTENTS

About ULVAC

- 5 ULVAC's History
- 7 ULVAC's Global Reach
- 9 Consolidated Financial and Non-financial Highlights

ULVAC's Vision

- 11 Commitment of Top Management
- 15 ULVAC's Value Creation
Process/Priority Issues/
Value Offered by ULVAC's Businesses/
Research & Development and Global Expansion
- 23 Feature 1
Strengthening Research and Development Capabilities
- 25 Feature 2
Vision 2032
- 27 ULVAC's Sustainable Management
- 31 Mid-term Management Plan: Breakthrough 2022

Business Strategy

- 35 Vacuum Equipment Business
 - 1 Semiconductor Production Equipment
 - 2 Electronic Device Production Equipment
 - 3 FPD Production Equipment
 - 4 Components
 - 5 Industrial Equipment
- 40 Vacuum Application Business
 - Materials
 - Other

Strengthening of Foundation for Value Creation

- 41 Corporate Governance
- 45 Messages from External Directors
- 49 Management Structure
- 51 Risk Management
- 53 Compliance
- 54 Human Rights
- 55 Human Resources
- 60 Occupational Safety and Health
- 61 Quality Assurance and Product Safety
- 62 Procurement
- 63 Environment

Financial Data/Corporate Information

- 69 11-year Financial Data
- 71 Financial Overview
- 73 Consolidated Financial Statements
- 77 Company Data/Stock Information

Editorial Policy

We publish the ULVAC VALUE REPORT as a summary of our initiatives in the past year to achieve sustainable growth and enhancement of corporate value, our medium- to long-term vision, and our management approach. We consider this report to be an important communication tool to facilitate stakeholders' understanding of our activities and deepen dialogue with them.

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Guidelines Referenced:

The International Integrated Reporting Framework, the International Integrated Reporting Council (IIRC) Guidance for Integrated Corporate Disclosure and Company-Investor Dialogues for Collaborative Value Creation (Guidance for Collaborative Value Creation), Ministry of Economy, Trade and Industry (METI) ISO26000

Report's Scope and Period

Scope: ULVAC Group

In principle, this report covers the ULVAC Group; any portions that cover only ULVAC, Inc. are indicated as such.

Period: Year ended June 30, 2022

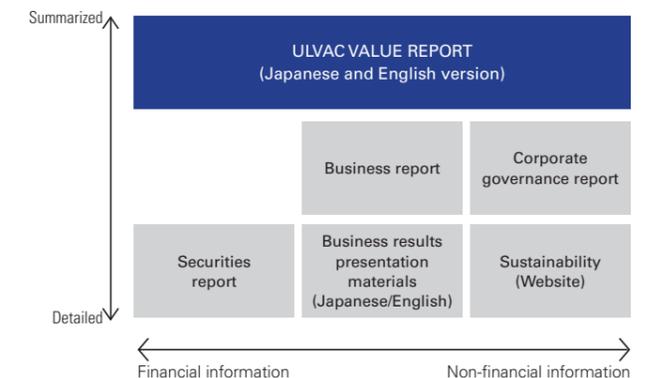
(July 1, 2021 to June 30, 2022, FY 2021)

Some portions of the report include activities and initiatives from July 2022 onward.

<Disclaimer>

Figures shown in tables and graphs in this report may not add up to the indicated total because of rounding. Some figures have been revised from previous years' data because the scope of reporting was expanded or calculating methods have been changed.

ULVAC's Communication Tools



We endeavor to achieve the optimum information disclosure by making various communication tools available to meet your needs.

To help you deepen your understanding of the ULVAC Group, our communication tools range from statutory disclosure documentation centering on information on financial closing to this report that offers non-financial information, such as on social and environmental initiatives indispensable for creating corporate value, in addition to information on business activities, management strategies, and financial information. Please also refer to our website for the latest information.