



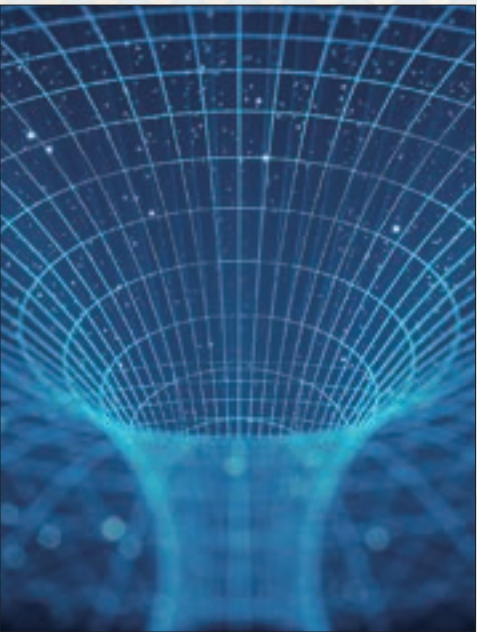
Basic Corporate Philosophy

The ULVAC Group aims to contribute to the development of industries and science by comprehensively utilizing its vacuum and peripheral technologies through the mutual cooperation and collaboration of the Group companies.

Management Policies

- Improve Customer Satisfaction
- Innovations in Production Technology
- Development of Original Products
- Free and Open-minded Organization
- Enhancing Corporate Value

Vacuum Technology, ULVAC's Core Competence



Stated simply, a vacuum is a space where the pressure is lower than the atmospheric pressure. A vacuum has interesting 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 deposition 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 has brought about the advent of the smart society. Vacuum deposition is destined to fulfill a vital role in the fundamental technologies underpinning the smart society.

ULVAC's Business Segments

Vacuum Equipment Business

FPD and PV production equipment

- Liquid crystal display (LCD) production equipment
- OLED production equipment
- Roll coaters
- Solar cell production equipment

Semiconductor and electronic device production equipment

- Semiconductor production equipment
- LED production equipment
- Electronic device production equipment

Components

- Vacuum pumps
- Vacuum gauges
- Helium leak detectors
- Process gas monitors
- Thin-film measuring equipment
- EB, RF and DC power generators
- Vacuum valves
- Deposition controllers
- Vacuum transfer 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
- Automatic leak testers

Vacuum Application Business

Materials

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

Others

- Surface analyzers
- Controllers
- Mask blanks

Major Vacuum Equipment

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