

# Dual Chamber Electron Beam Evaporation System

**Model: SA-VKE1100D/E1500D**

SA-VKE1100D and SA-VKE1500D are mass-production dual-chamber electron beam evaporation systems. Featuring large coating capacity, stable running performance, full automatic control and easy maintenance, they perfectly fulfill evaporation coating demands for high-volume manufacturing and oversized workpieces.



## Feature

- Low cost
- Lift-off
- Co-deposition
- High evaporation rate

## Application

- Laser
- R&D
- Integrated circuit
- MEMS

## Specifications:

| Parameter                   | Descriptions                                                                    |
|-----------------------------|---------------------------------------------------------------------------------|
| Number of Crucibles         | 4(max.)                                                                         |
| Power Supply                | 10kW(max.)                                                                      |
| Film thickness monitoring   | Crystal oscillator controller                                                   |
| Ion Source                  | RF & Kaufman & Hall ion source                                                  |
| Fixture types               | Dome & Planetary                                                                |
| Pumping System              | Cryopump / magnetically levitated turbo-molecular pump<br>+ Dry mechanical pump |
| Coating Uniformity          | ±2%                                                                             |
| Coating Repeatability       | ±2%                                                                             |
| Uniform Deposition Area     | Ø960 mm(max.)                                                                   |
| Ultimate Vacuum             | 1E-5Pa                                                                          |
| Vacuum Measurement          | Full-range vacuum gauge                                                         |
| Temperature Control Range   | RT~300℃                                                                         |
| Space Requirements(L×W×H,m) | 4.4×4.1×2.6                                                                     |

**Principle:**

