

■ ULVAC Technologies for Automobile Parts Application



Car Navigation
(Low temp Poly-Si TFT, DVD)



- **Display Manufacturing System**
(Deposition, Liquid Crystal Injection, Analysis)
- **Display Manufacturing**
(Coating)

ETC.



- **Compound Semiconductor**
(Deposition, Analysis)
- **Display Manufacturing**
(Fine Chemical)

Fuel Battery

Optical catalyst, Mirror, Reflector

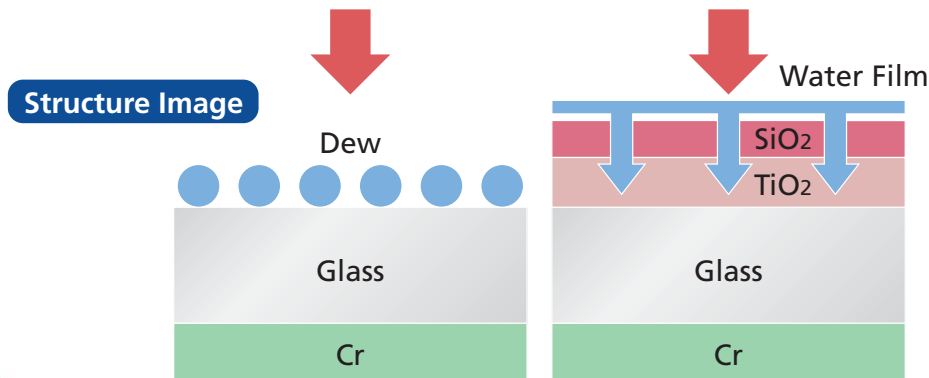
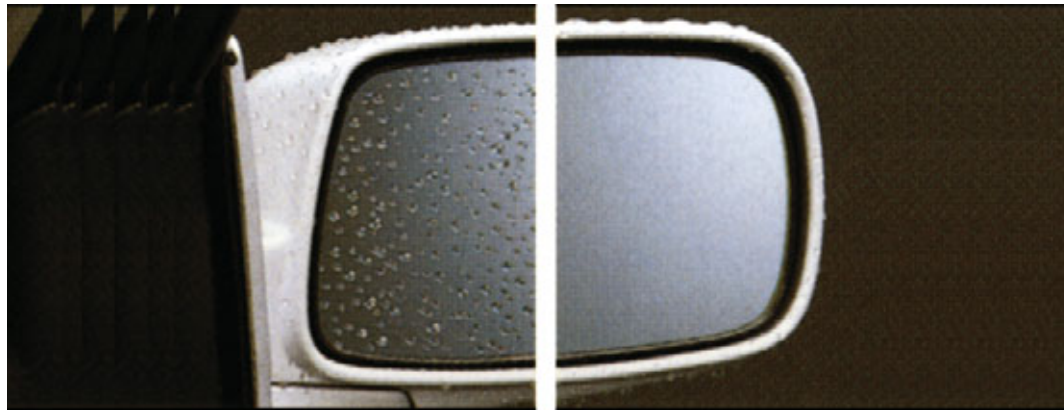
Heat Exchanger

Break System



- **Vacuum System for Industry**
(Deposition, Analysis, Heat treatment)

Hydrophilic Mirror



Mirror dose not mist even in high humidity → **Hydrophilic**

Organic elements are decomposed under Sunlight
→ **Self Cleaning**

Sputtering System for Mirror Application

SPH-1000, 2000



ULVAC, Inc.

- Capable to produce hydrophilic mirror (Deposition of TiO₂, SiO₂)
- Applicable to fully automated mirror production line
- Substrate size 100mm x 180mm applicable for regular automobiles and 200mm x 250mm for RV type automobiles
- Excellent film thickness uniformity

Examples for Solutions

Contribution of Vacuum Technology to Automobiles

