

Semiconductor & Electronics Industries

The fabrication of semiconductor devices requires large volumes of ultrapure water (UPW) and generates vast quantities of wastewater. Only the purest possible water is acceptable for use in semiconductor manufacture.

HASCO's technologies remove impurities from water at the limits of their detection with an ultimate reliability.

HASCO provides complete solutions as following section

- Ultrapure Water Treatment
- Pre-treatment
- Make-up Section
- Polishing Section
- Distribution Loops
- Reuse, Reclaim and Recycle of Wastewater
- Treatment of Wastewater



Rinse Water Recycling

Recirculation systems for rinsing water and processes require high quality. In surface treatment lines, two-stage or more rinsing steps are generally applied. In the first stage, the parts are rinsed with a small amount of water to reduce the amount of wastewater to be cleaned. In the second stage, a large amount of water is recirculated, passing through ion exchangers that remove dissolved mineral salts. HASCO's expertise and technologies in this field enables us to provide the most economic and effective rinsing stages. Economical processes and process combinations

- Microfiltration
- Ultrafiltration
- Nanofiltration
- Reverse Osmosis

Benefits of a long-term Commitment to Water Reuse

Complementary Applications:

- Biological Aerobic Treatment
- Chemical Physical Wastewater Treatment
- Disinfection
- Zero Liquid Discharge