

Sierra High Step Coverage TiN/TSN ALD System

Key Features

- Based on QXP+ and adds:
 - Heated TiCl₄ delivery
 - Independent valves for each process station
 - Modified shower head
 - Change in dry clean from NF₃ to ClF₃ for greenhouse gas emissions

Benefits

- Excellent station to station non-uniformity
- Step Coverage required for current and future 3D structures
- Hardness / Modulus >25 / >300 GPa @ TSN
- >40 wph for 120Å TiN
- >50 wph for 150Å TSN

