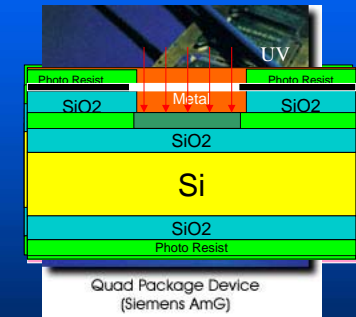
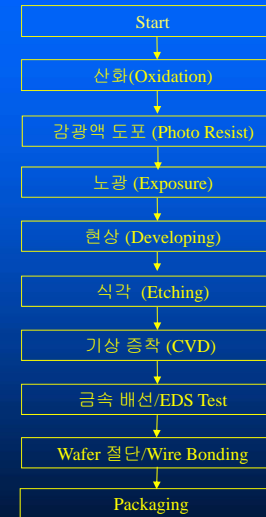


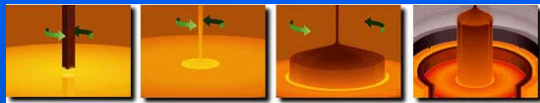
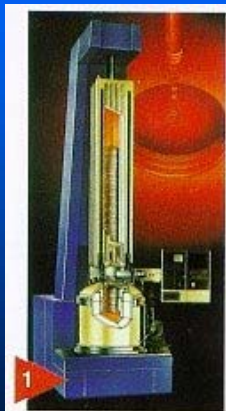
반도체의 제조 공정

Semiconductor Manufacturing Process

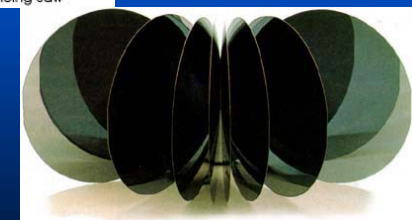
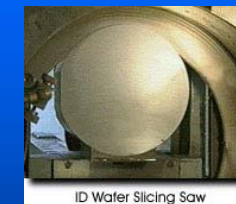
반도체의 제조 공정



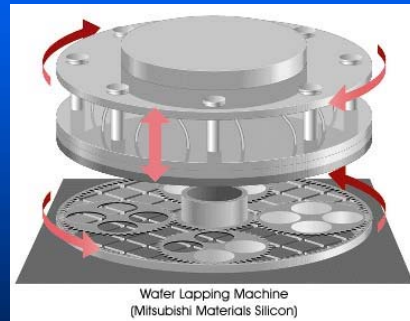
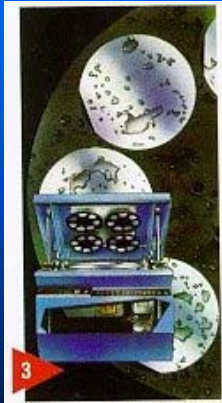
1. Silicon의 생성



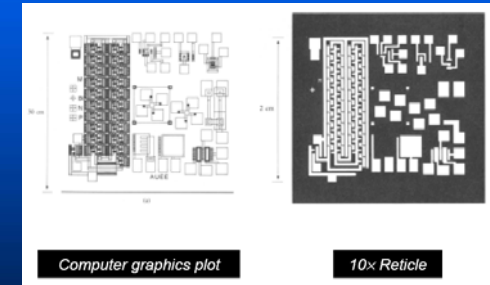
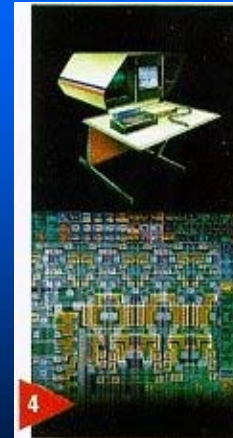
2. Wafer의 제조



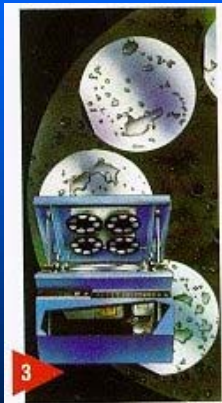
3. Polishing



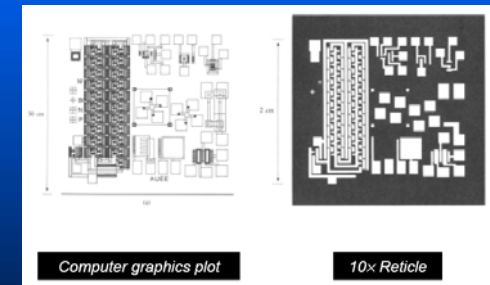
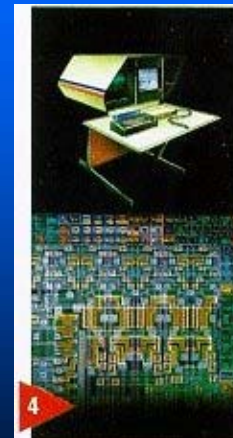
4. 회로 설계



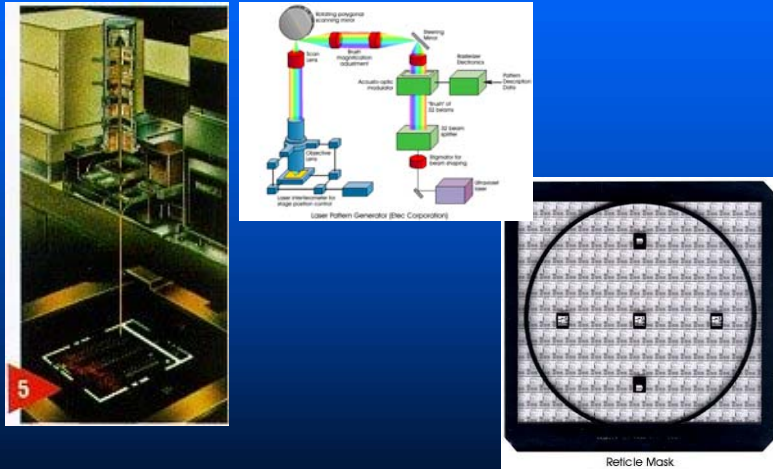
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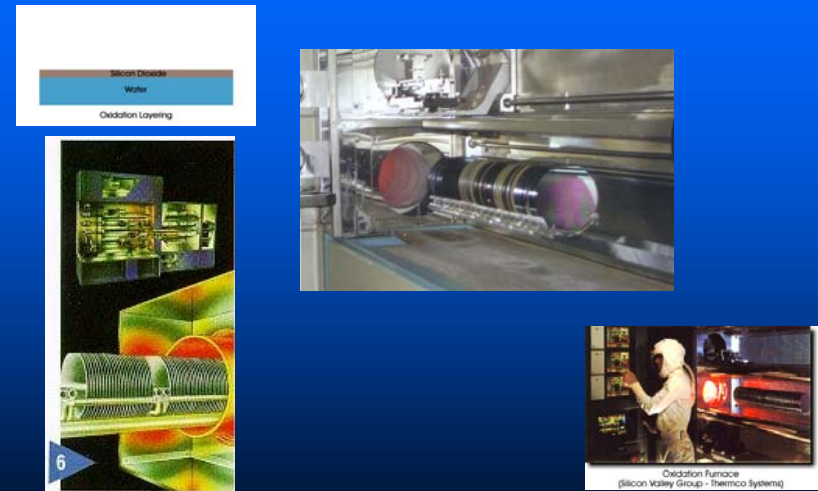
4. 회로 설계



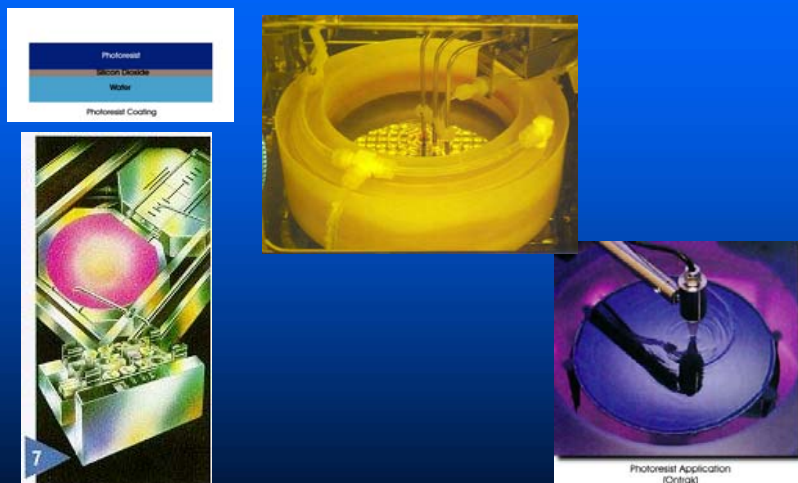
5. Mask (Reticle) 제작



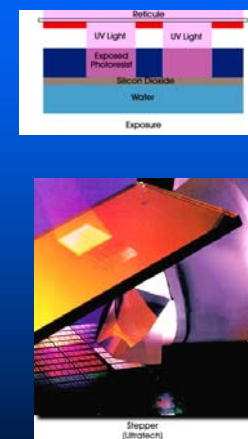
6. 산화 (Oxidation)



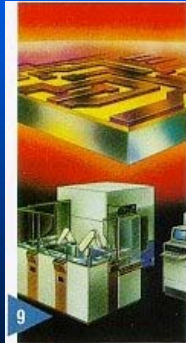
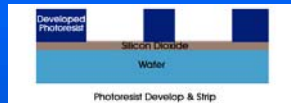
7. 감광액 (Photo Resist) 코팅



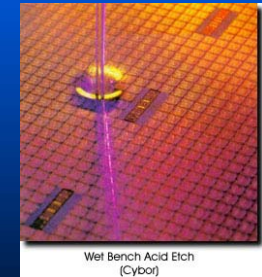
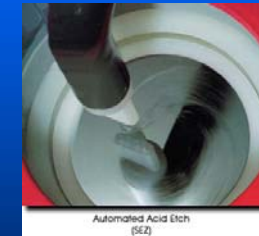
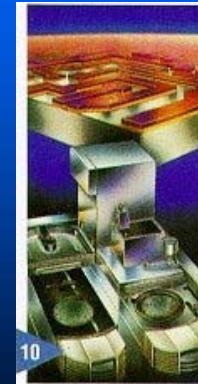
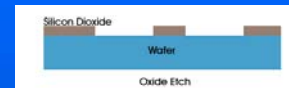
8. 노광 (Exposure)



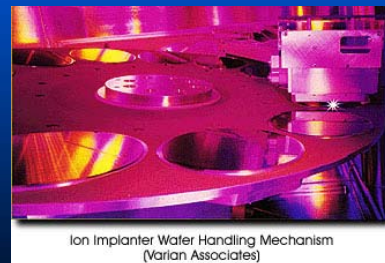
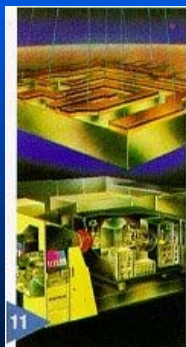
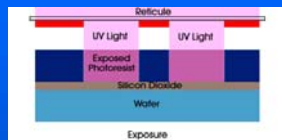
9. 현상(Develop)



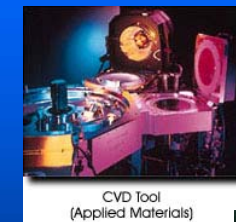
10. 식각 (Etching)



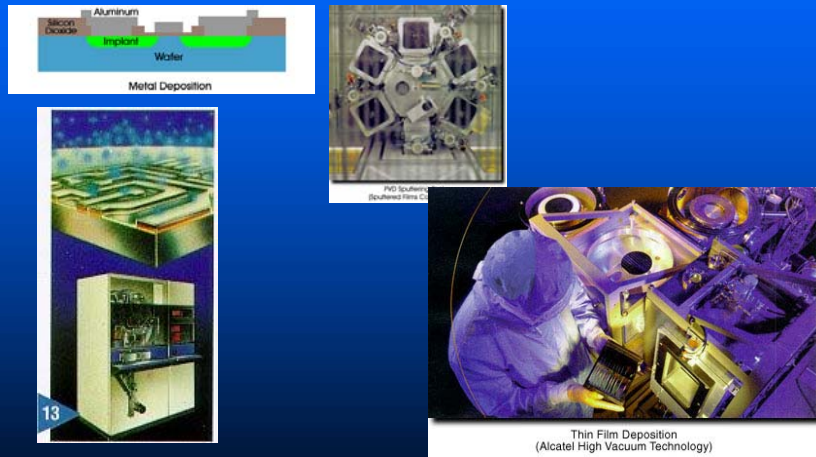
11. 불순물 (ion) 주입



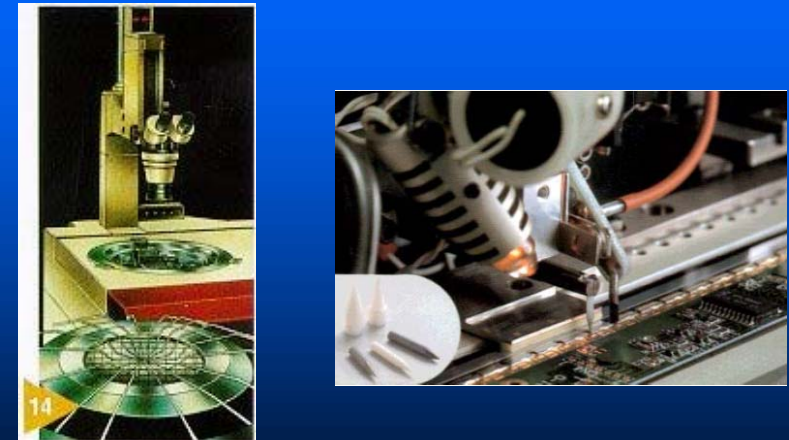
12. 기상 증착 (Chemical Vapor Deposition)



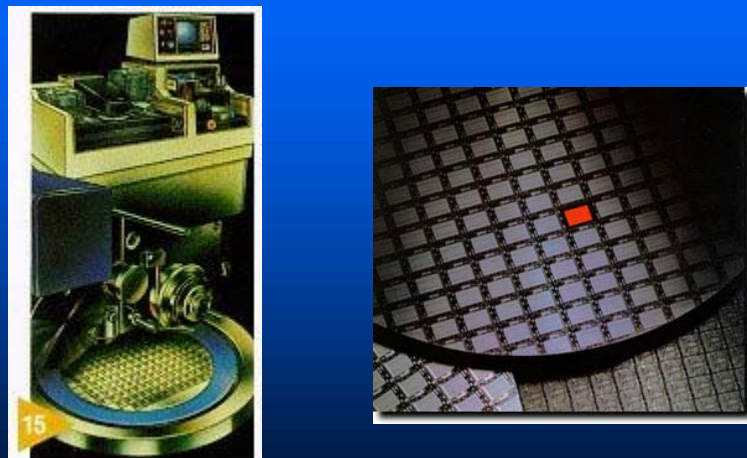
13. 금속 배선 (Metalization)



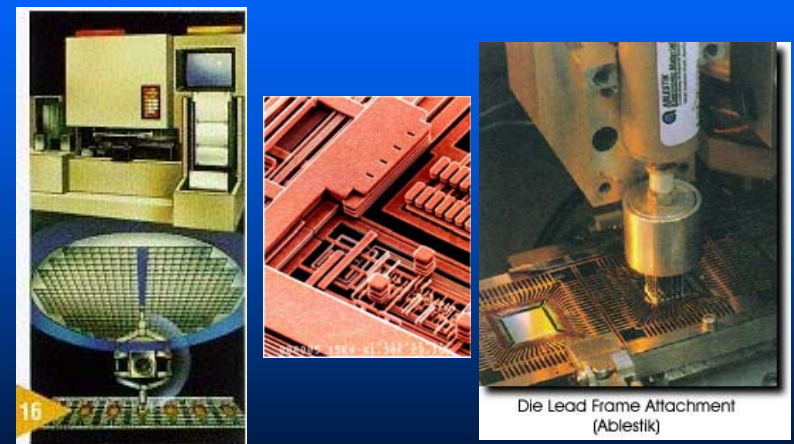
14. Wafer 자동선별(EDS Test)



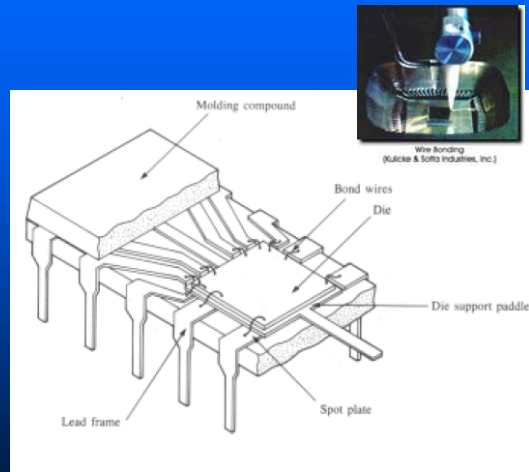
15. Wafer 절단 (Sawing)



16. Chip 장착 (Die Attach)

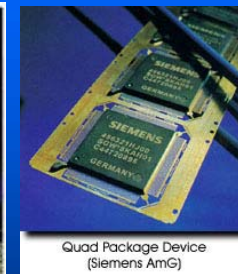


17. 리드선 연결 (Wire Bonding)



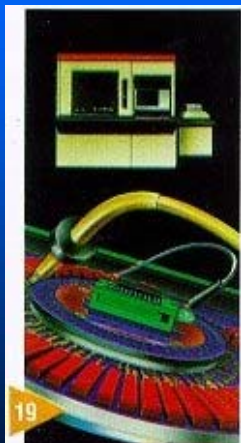
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18. 성형 (Packaging)



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19. 최종 검사 (Final Test)



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20. 기타



<https://youtu.be/AMgQ1-HdEIM>

<https://youtu.be/AcDn4bvW5IU>



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