

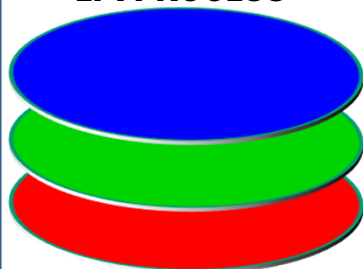
# Accelerate development of the Micro LEDs

## Toray Research Center's Strength

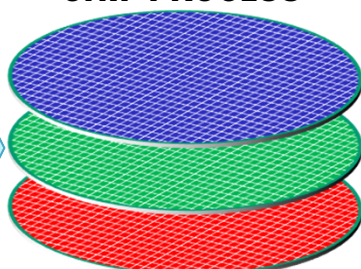
- Our strength lies in our technology and experience accumulated over our history of 40 years.
- Latest analysis data obtained by optimum pretreatment techniques and advanced equipment.

### Micro LED Process

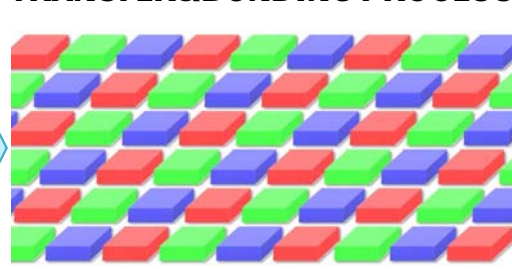
#### EPI PROCESS



#### CHIP PROCESS



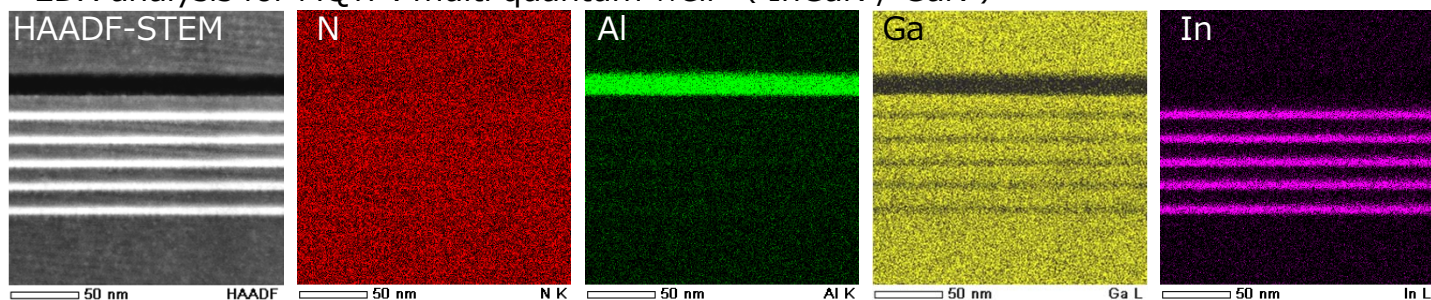
#### TRANSFER&BONDING PROCESS



We suggest the most suitable analysis solution for each process

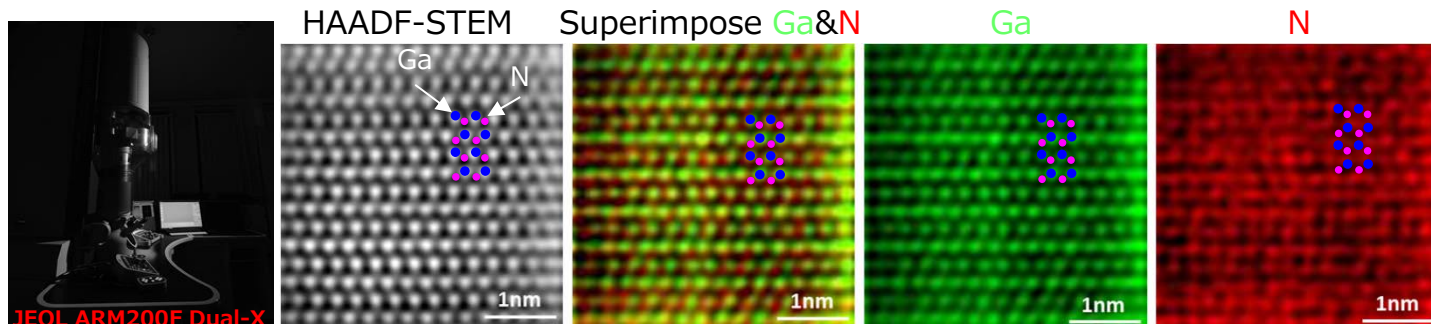
## <Observation and Composition analysis with nm level by Scanning TEM>

EDX analysis for MQW : multi quantum well ( InGaN / GaN )



## <Observation and Composition analysis with Å level by Scanning TEM>

EDX analysis with atomic resolution (using Cs-corrected STEM and Dual EDX detector)



## Customer's Benefit

- Detailed data and information about compositional analysis and failure analysis
- Enhancement on R&D, optimal solution for failure and trouble shooting