

# Bonding

## for fully automated and integrated manufacturing



fully automated bonding

### APPLICATION

fully automated bonding solutions -  
 reproducible and **clean**

### CUSTOMIZED BONDING

- thermal fusion bonding
- solvent bonding
- pressure sensitive adhesive bonding
- continuous laser welding
- mask laser welding
- UV activated gluing
- ultrasonic welding
- lamination
- combination of the above

### FULLY INTEGRATED BONDING LINES

- formats between cover glass and MTP size
  - rigid parts
  - elastic parts
  - thin film
  - membranes
- hybrid part bonding (e.g. plastic-glass)

### YOUR BENEFITS

- **reproducibility and precision**
  - microstructure bonding (down to 5  $\mu\text{m}$ )
  - exact structure geometry
  - accurate component alignment (down to 20  $\mu\text{m}$ )
  - high bonding force
  - high optical quality
- **annealing/tempered/conditioned**
  - decreases the risk of shape change during shipping
  - stress reduction in the plastic parts
- **in-line QC**
  - visual check for flatness, contamination & structure shape
- **cleanroom conditions**



optimizing bonding processes