

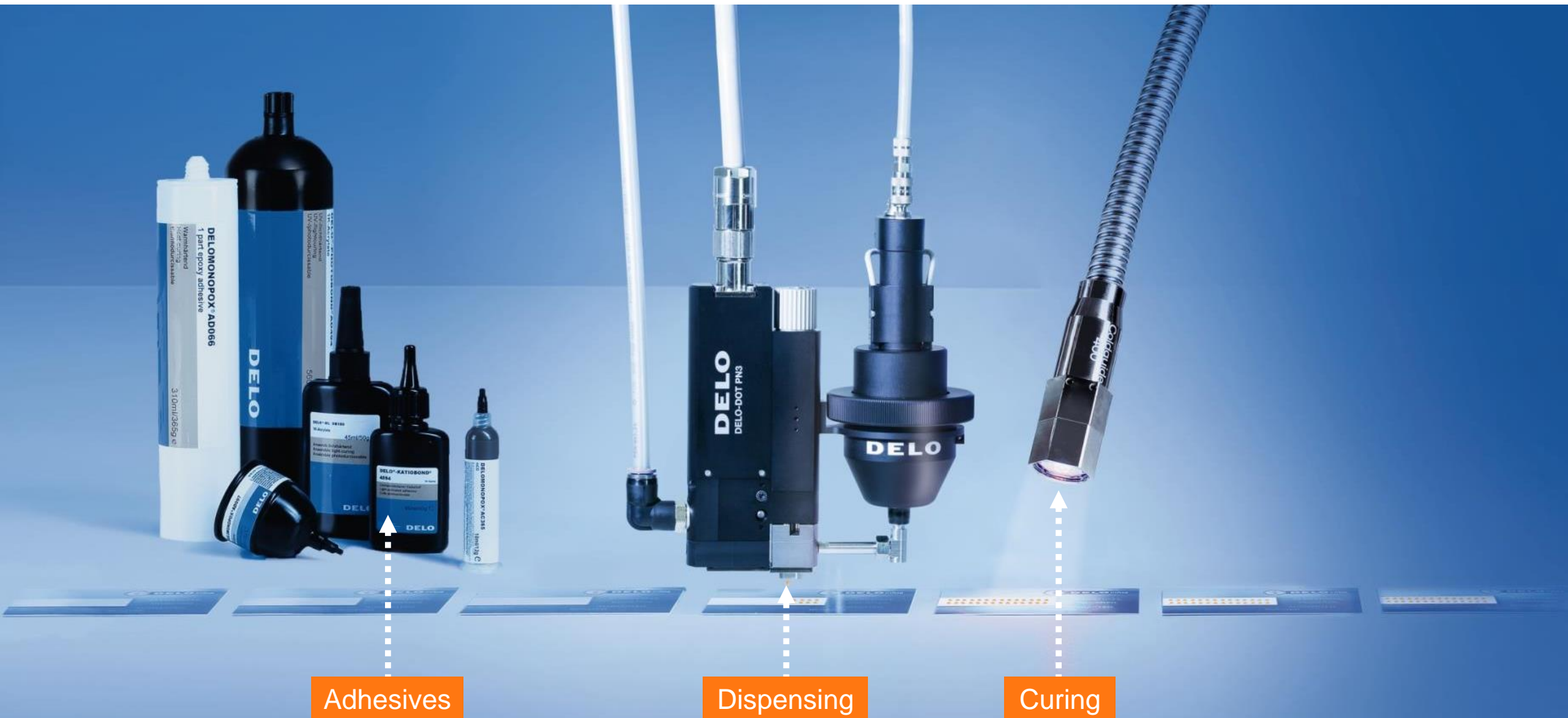
# UV CURING MATERIALS FOR WAYER LEVEL OPTICS

Andrea Kneidinger | DELO Industrial Adhesives | 08.11.2019



Achieve your goals with turnkey solutions

**DELO**



Adhesives

Dispensing

Curing

FAMILY-  
OWNED

€ 160 M.  
REVENUES

800  
EMPLOYEES

WE ARE

WHERE YOU ARE

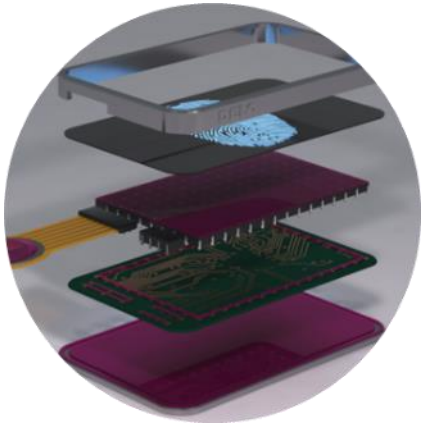












Finger Print Sensors



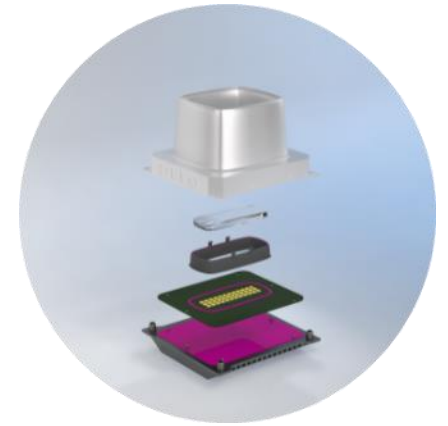
MEMS device



Micro Optics



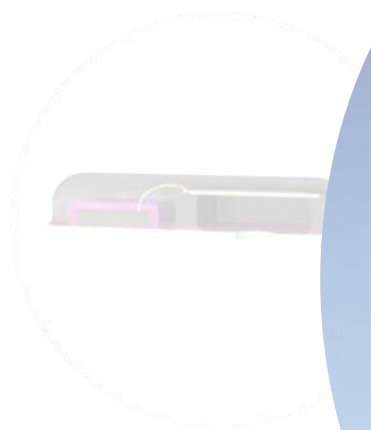
Camera Bonding



LED Bonding



Finger Print Sensors



MEMS device



Micro Optics

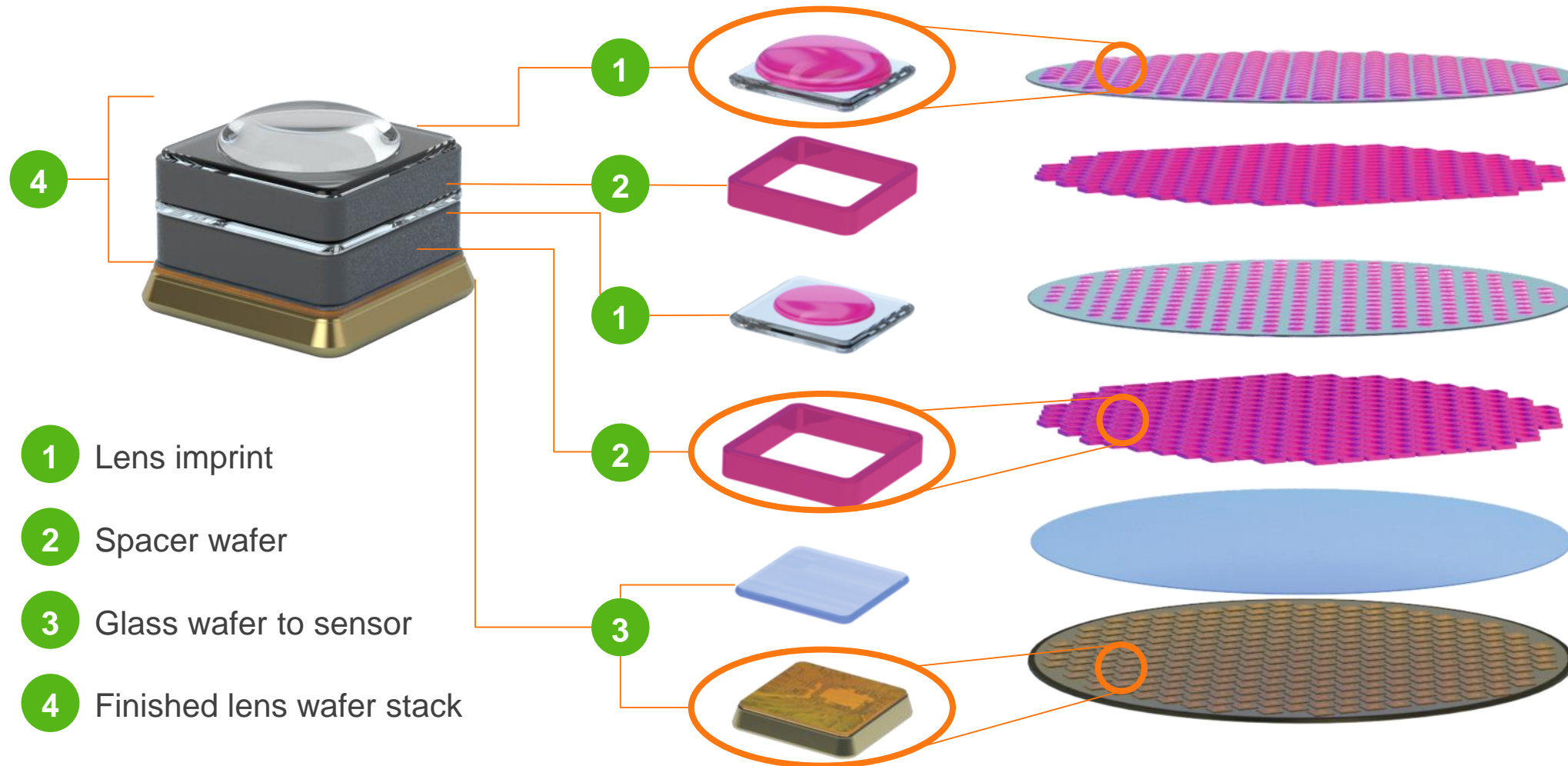


Camera Bonding

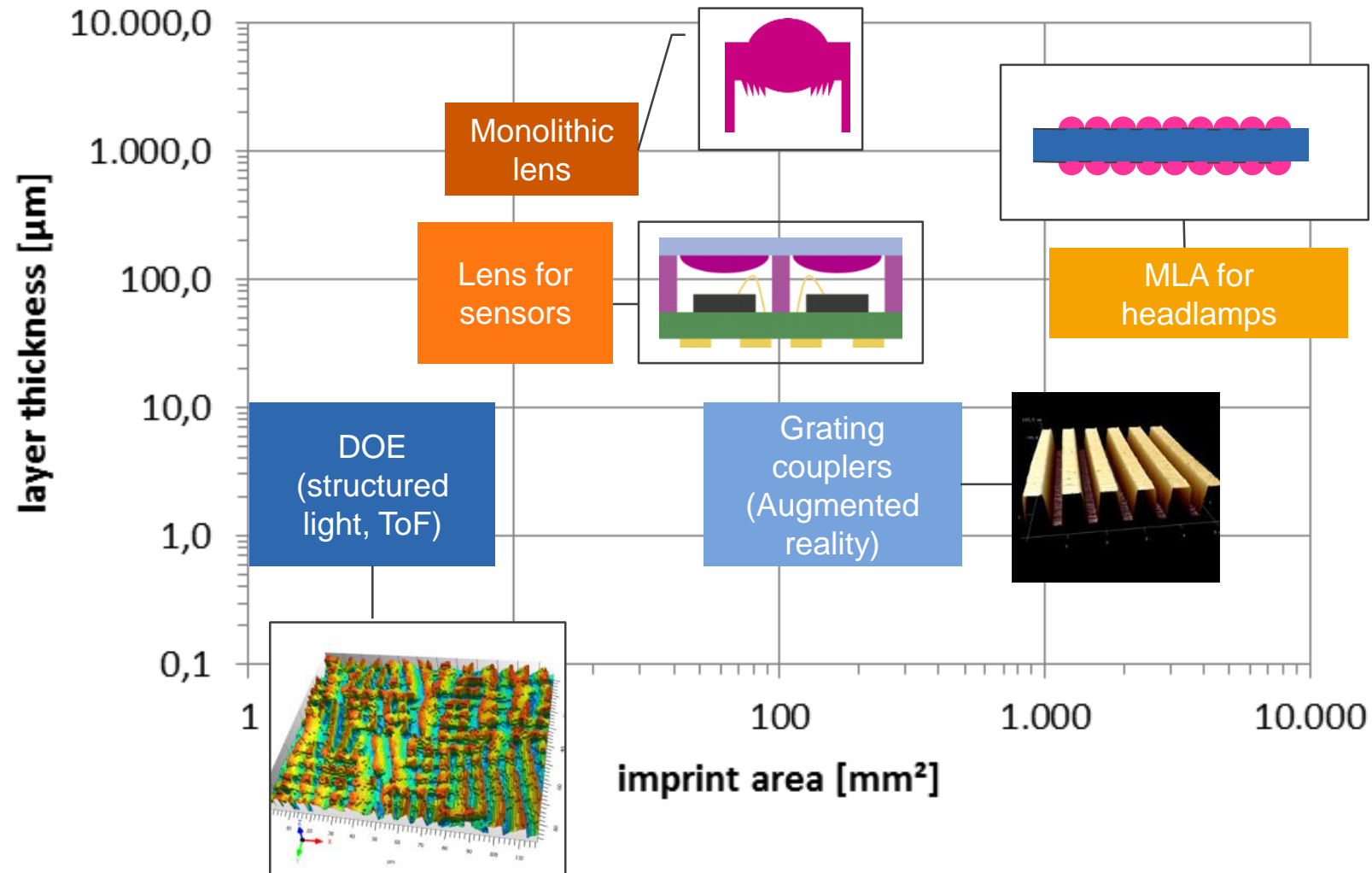


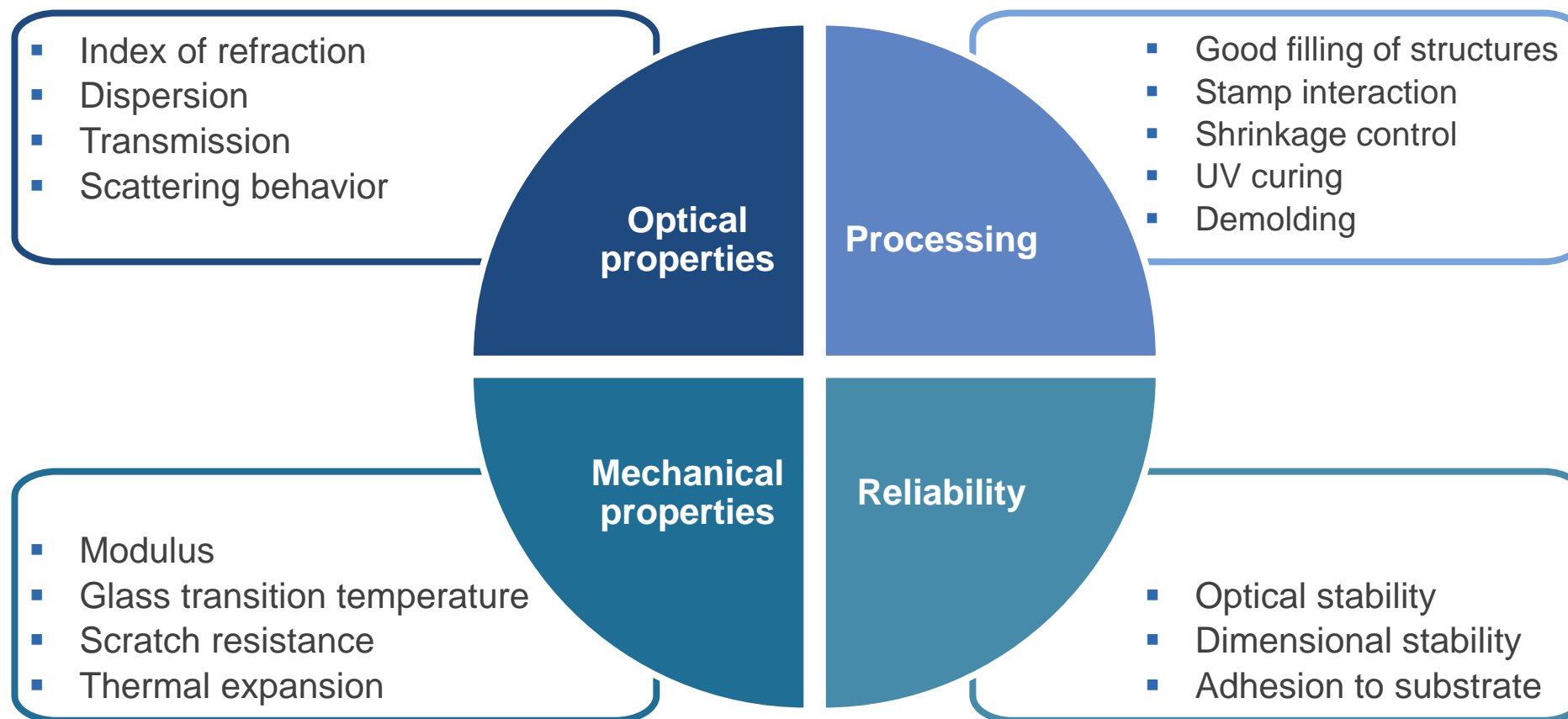
LED Bonding





➡ It all happens on wafer level





➡ High flexibility in material design to meet the requirements for different applications



Material                      before reflow                      after 3x reflow (260°C peak)

DELO  
KATIOBOND  
OM614



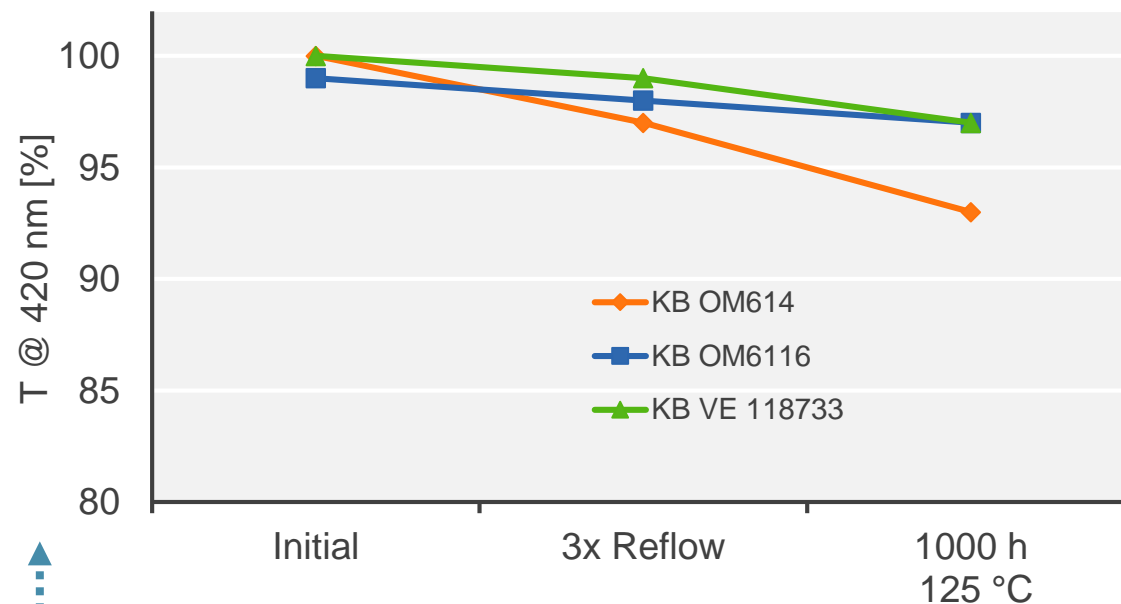
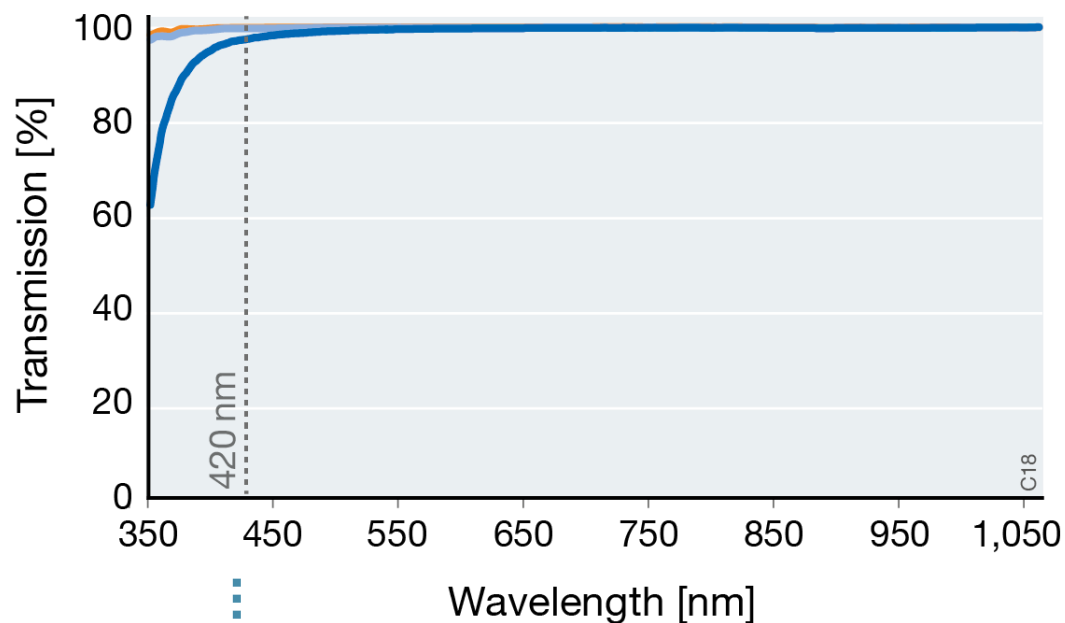
DELO  
KATIOBOND  
OM6116





## DELO OM adhesive

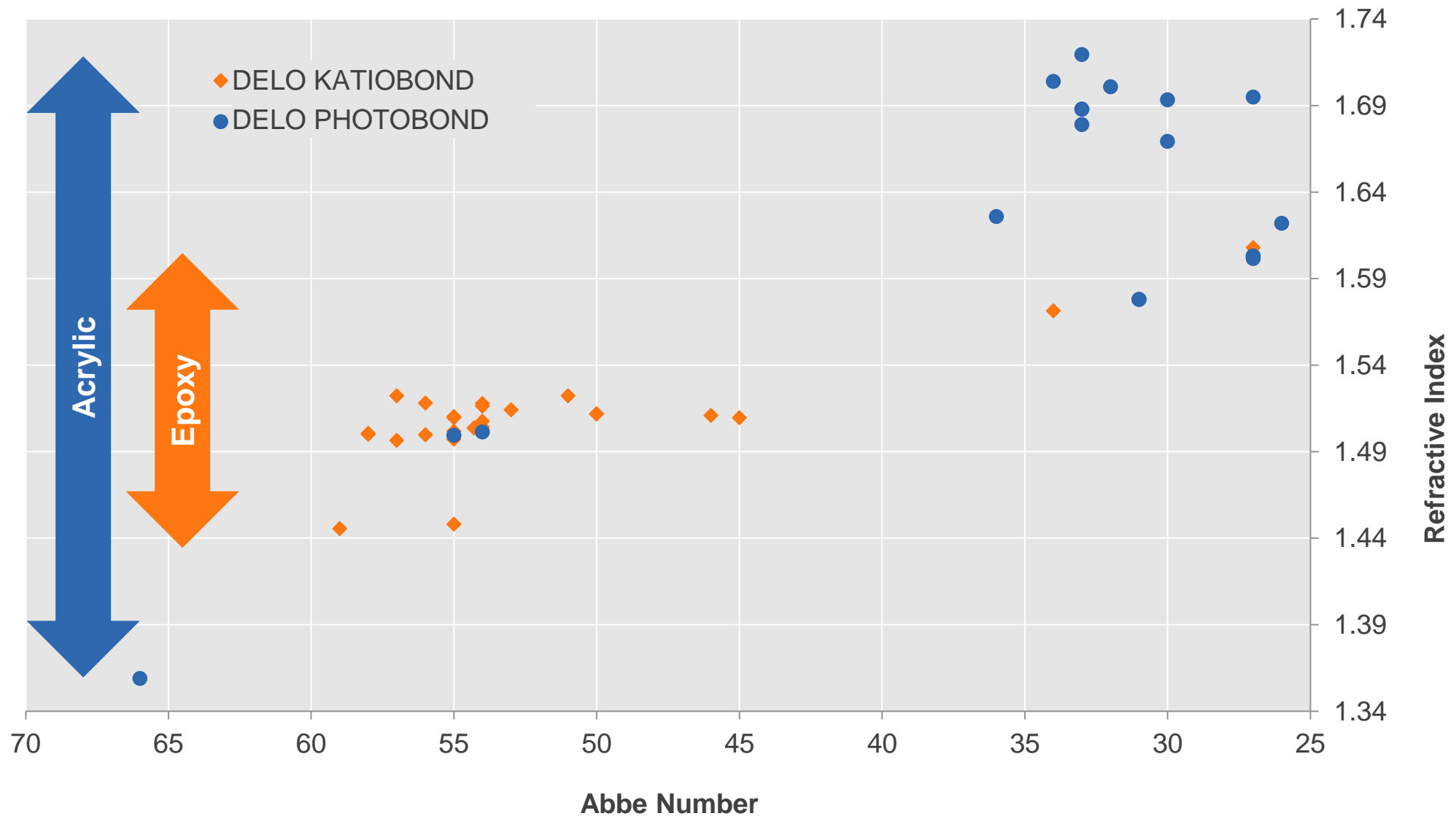
initial    3x reflow    1,000 h @ +125 °C

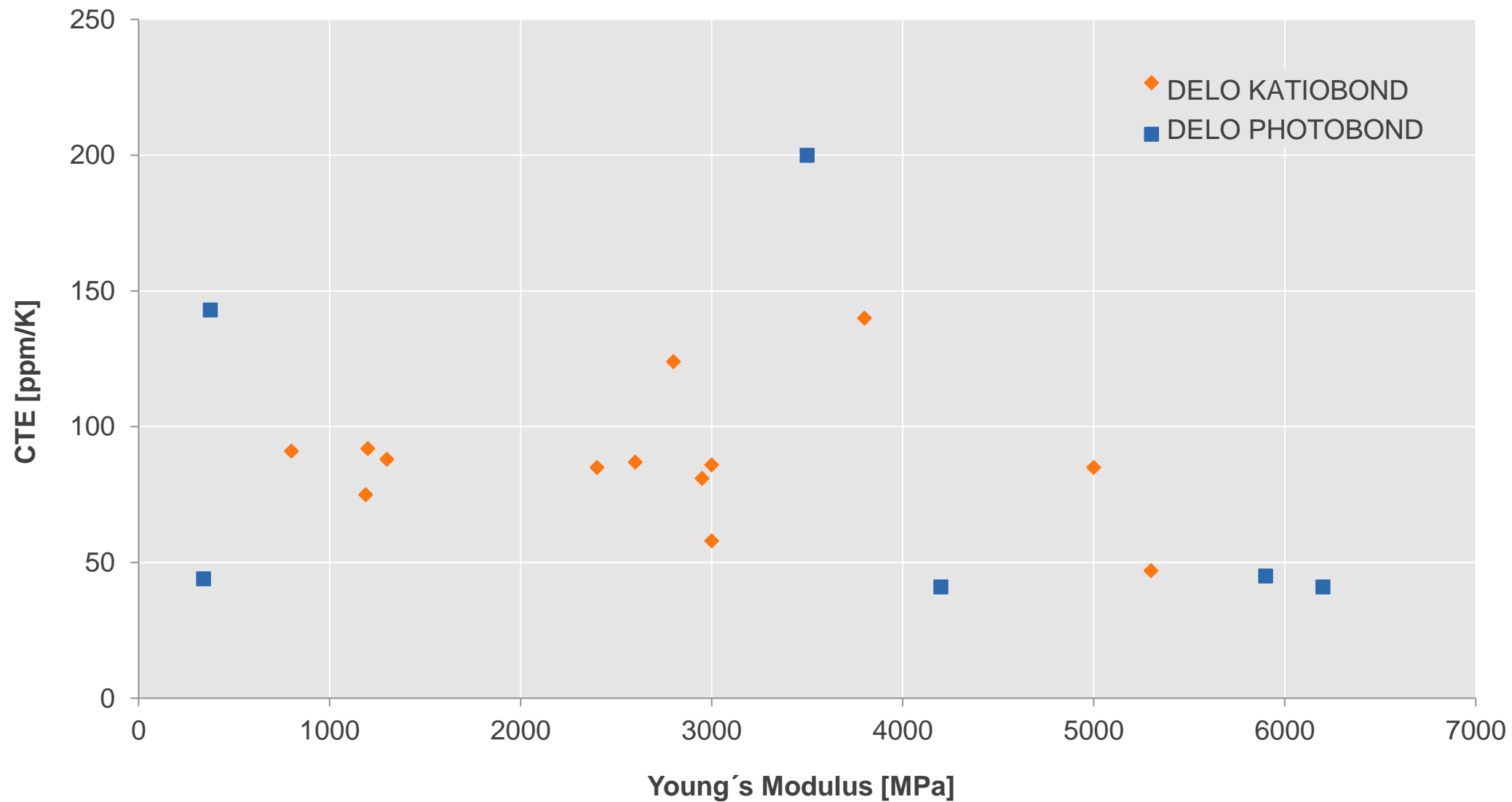


➡ The high transmission at 420 nm after aging is a strong sign for non-yellowing



# Refractive index modification







Thanks for your attention!





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