

3D STICK

NEW METHOD FOR MACROSTICKIES MEASUREMENT : TOWARDS REDUCED DISTURBANCE



Stickies particles

- » Most harmful mini-stickies are mainly mini PSA :
Pressure Sensitive Adhesives



Ingede Method #4

- » Pressing deformation
- » No 3D info
- » No information on nature
- » Time Consuming



» Automated stickies 3D STICK measurement method :

- » Determines the 3D morphology of screened particles (without any deformation)
- » Classifies the particles as stickies among contaminants. This is achieved by a combination of laser triangulation and local near-infrared (NIR) spectroscopy.

» The Device principle :

- » DETERMINATION OF CONTAMINANT MORPHOLOGY IN 3D (3D-MAP)
- » STICKIES IDENTIFICATION BY NEAR INFRARED SPECTROSCOPY (NIRS)



» Richer information :

- » 3D MORPHOLOGY
- » MACRO CONTAMINANTS CLASSIFIED BY THEIR CHEMICAL NATURE
- » NOT RESTRICTED TO STICKIES (PLASTICS)

» Non Contact method:

- » STICKIES ARE NOT PRESSED
- » REAL SIZE IS MEASURED
- » LINK TO EXPOSURE INDEX*