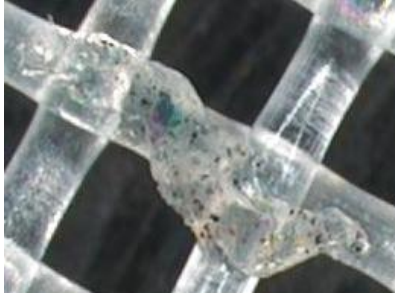


3D STICK

NEW METHOD FOR MACROSTICKIES MEASUREMENT – TOWARD REDUCED DISTURBANCE

Stickies particles

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

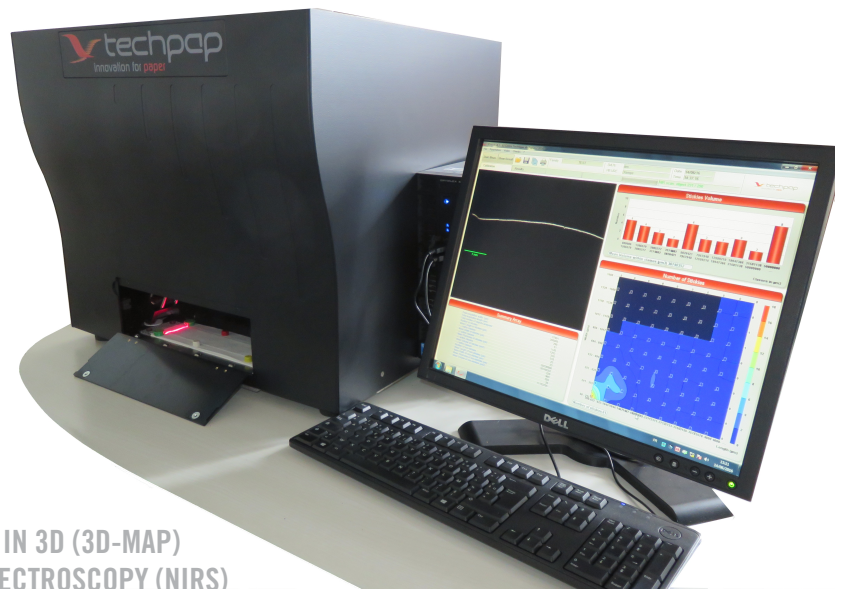
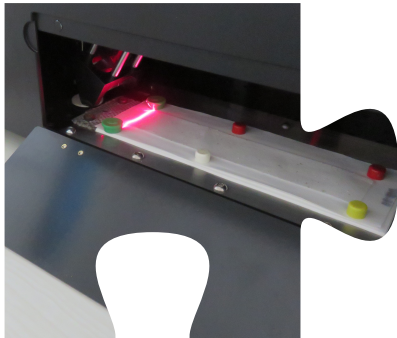


Ingede Method #4

- » Pressing
- » 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 :

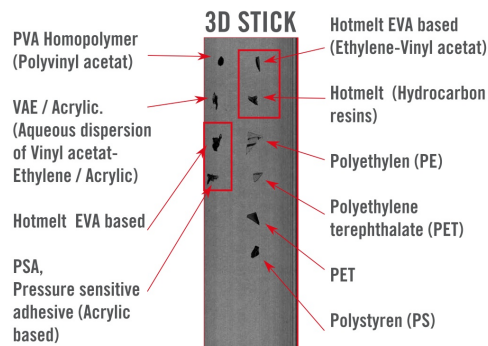
- DETERMINATION OF CONTAMINANT MORPHOLOGY IN 3D (3D-MAP)
- STICKIES IDENTIFICATION BY NEAR INFRARED SPECTROSCOPY (NIRS)

• 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



FULL INFORMATION

TAPPI



MINIMUM INFORMATION



TECHPAP SAS

CS 90251 - 38044 Grenoble cedex 9

Tél. +33 (0)4 76 51 74 75 - Fax +33 (0)4 76 42 05 04

www.techpap.com - techinfo@techpap.com