



## Automated Entry Inspection of Recovered Paper based on Near Infrared Sensors

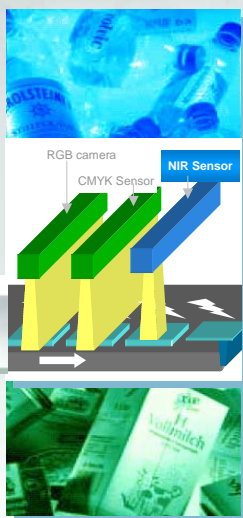
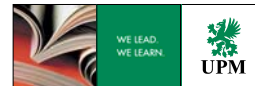


EUROPEAN PAPER WEEK  
- E R P C -

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RCF Paper Research Center  
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## NIR technology in RCP sorting

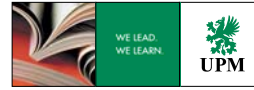


NIR sensors applications RCP sorting

↳ Anything but **"OLD HAT"** ?!

- YES and NO !
- NIR sensors usually combined with other optical and mechanical sorting technologies
- NIR sensors usually used for identification of non-cellulosic materials like polymers (= plastics)

## Automated entry inspection of RCP by the aid of NIR technology



### NIR sensors in RCP sorting

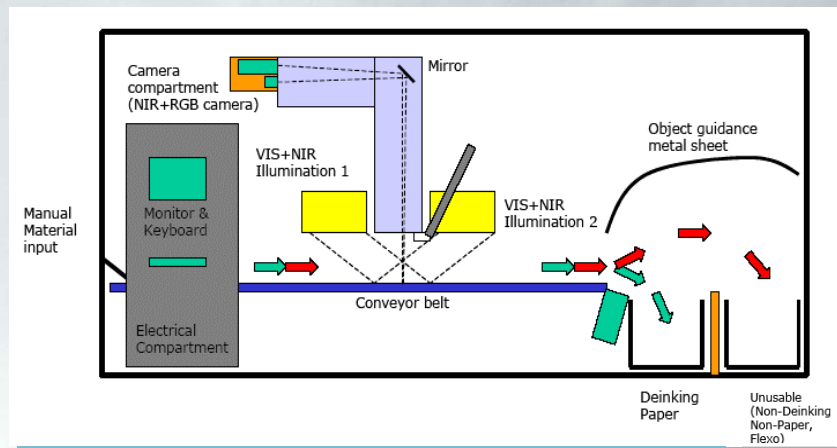
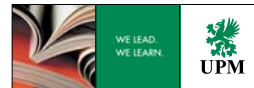
- For detection of all RCP components (wanted & unwanted material, ...)
- Pre sorting trials in cooperation with PTS in Heidenau (2005)

RCP fraction	Hit Rate [%]	RCP fraction	Hit Rate [%]
ONP	96	OCC	94
OMG+Flyers	96	Folding boxboard	83
Office papers	100	Flexo printed NP	96-97

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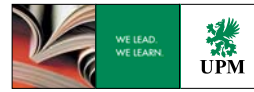
## INGEDE 117 06 CTR/PTS Automated entry inspection – Prototype –



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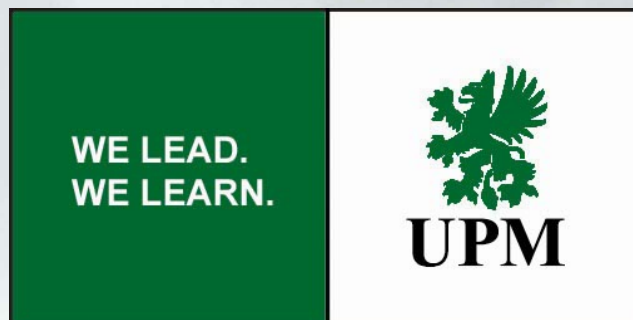
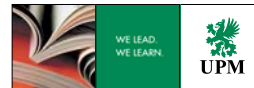
**INGEDE 117 06 CTR/PTS**  
**Automated entry inspection**  
**- Prototype -**



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*Thank you...*



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