



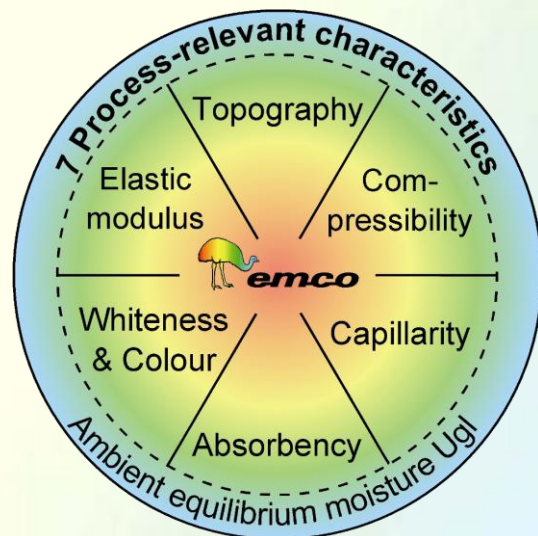
## Innovations for 25<sup>th</sup> International Munich Paper Symposium

### Complete paper testing

Combination of  
conventional and process relevant paper testing

Paper specification

- Grammage
- Thickness
- Smoothness
- Internal bond
- Wet expansion
- 
- 
- 



Identification of process relevant paper properties  
for all applications

- Service: order measurements with innovative technologies
- Consulting and help for problem analysis
- Problem solving and complain consulting
- Advanced training and application schooling

**emco technology and consulting reduce costs with better quality!**

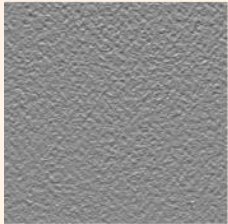




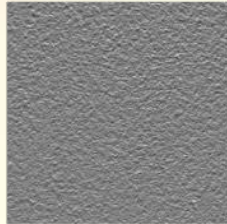
## Innovations for 25<sup>th</sup> International Munich Paper Symposium

### emco IAS paper topography and optical impression integrated in the automated paper testing in cross profile

Dandy roll marks of decor paper



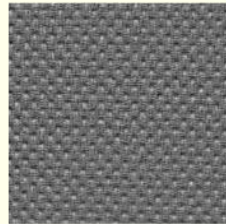
Original



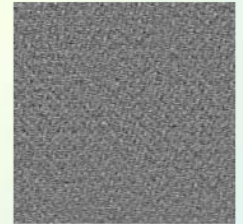
Without dandy roll marks



Embossing and marks of tissue

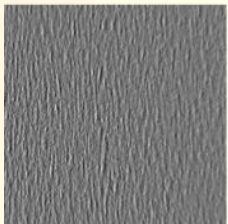


Tissue with embossing



Tissue without embossing and marks

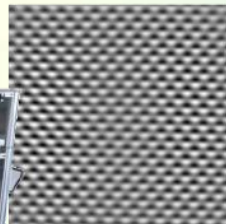
Marks of packaging paper



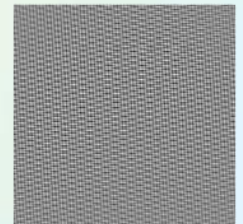
Original



Isolated marks

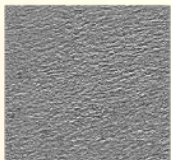


Isolated embossing



Isolated wire marks

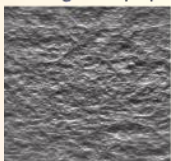
Scarredness



Corrugated paper



Board coated



Base wall nonwoven

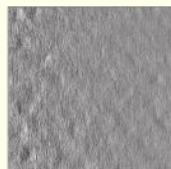


Wall nonwoven coated

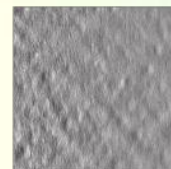
#### Applications:

- Optimization of fabrics
- Determination of local contamination
- Optimization of the water flow in paper machine
- Prediction and optimization of printability
- Quality control

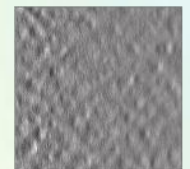
#### Cockling of graphic paper



Original



After laser printing



After laser printing and 70 %RH

