



### USER FRIENDLY SOFTWARE

- > Runs on standard controlling PC with Windows OS
- > Measurement window
  - Individual investigation of each detected dot
  - Configurable results table displays results for last test and average of tests done
- > Configuration window
  - 11 configurable classes for size and contrast
  - Different configuration settings may be saved (e.g. ISO 5350, TAPPI T213, T437, T563 for simple change of measuring reference standard)

### RELIABLE AND POWERFUL

- > High resolution linear camera with 12.288 pixels
- > Adjustable according to sheet dimensions, up to 83cm width and no limit for sheet length
- > Resolution, pixel size 67µm for max. width (83 cm)
- > Analysis time < 1 minute for a 80 x 80 cm sheet
- > Repeatable and reproducible

### DIRT LABORATORY ANALYSER FOR LARGE SIZED PAPER SAMPLES AND PULP SHEETS

- > Quick analysis of dirt in pulp and paper large sheets
- > Accurate dirt counting on :
  - paper sheet by reflected light
  - pulp sheet by transmitted & reflected light
- > Powerful led illumination system
- > Performs digital scan of individual pulp or paper sheets either by reflected light or by transmission according to ISO standards
- > Detects any contrasting impurities such as shives, metal, plastic, grease, sand, etc
- > Sorts detected impurities as black dots, gray dots and shives according to its color and shape
- > Calibration of the measuring system according to the EFPG standard (CEN/TC 172).



Fully automated sheet scanning

# SIMPASCAN

Dirt analyser for large size samples

## MEETS ALL THE CRITERIA OF MAIN DIRT CALCULATION STANDARDS :

Digital dirt counting for substitution of classical visual analysis requires a set of ISO criteria to avoid fluctuation :

- > Sampling management and information about the validity and relevance of the measurement.
- > Individual examination of the calculated points must be possible.
- > Calibration of the system via the EFGP chart.
- > The detection contrast must vary with regard to the area of detected spots.
- > The detection contrast must be compared to the local contrast of the spot (1 cm ring around the spot)



Classic visual analysis on table light

**ISO 5350**  
**CEN/TC 172**  
**TAPPI T563**  
**INGEDE 2 & 4**

Window showing detected dirt dots or shives :

- > Black spots, marked by red squares
- > Tinted fibers or shives, marked by yellow squares



User friendly software

Table showing all detected types of dirt :

- > Possible sorting by type, size or contrast
- > Any of each spot can be displayed with a simple click into the list or in the image

## TECHNICAL CHARACTERISTICS OF THE SIMPASCAN

<b>Resolution:</b>	12 288 pixels full width
<b>Number of classes:</b>	25 entirely configurable
<b>Sampling:</b>	Minimum number of dots or minimum analysed area to validate test
<b>Detected spots (colour):</b>	Black, grey, white
<b>Detected spots (shape):</b>	Dots and shives
<b>Results display:</b>	In mm <sup>2</sup> / m <sup>2</sup> , number / m <sup>2</sup> , ppm / inch <sup>2</sup> / inch <sup>2</sup> , number / inch <sup>2</sup> , a.s.o. Possible display in EBA (Equivalent Black Area of each spot)
<b>Data exporting:</b>	Excel compatible TXT files
<b>Control and operating system:</b>	Software running under WINDOWS OS
<b>Power supply:</b>	90-240 VAC, 50/60 Hz, 500W
<b>Dimensions:</b>	1300 mm (l) x 750 mm (w) x 430 mm (h)

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