

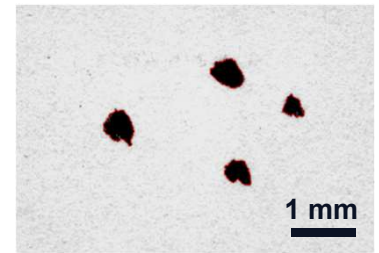


FIBRE based
solutions



DOMAS*multispec*

Modul: Dirt specks



Your key to objective quality control

The DOMAS-modul "**Dirt Specks**" enables the precise and automatic analysis of visible impurities in semi-finished materials or papers. The system is able to recognise and classify optical inhomogeneities on scanned sheets in a manner that is both **quick** and **intuitive**, in **accordance** with the **relevant standards**.

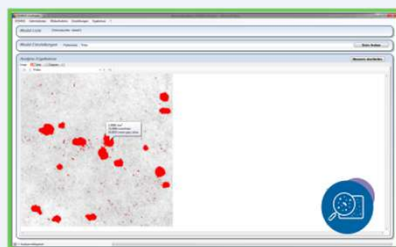
- **Objective quality assessment** per ISO 5350, TAPPI T 437, 537 and INGEDE Method 2
- **Efficient process control** - ideal for applications such as deinking
- **Automatic report generation** for documentation and tracking
- **Colour visualisation** of dirt specks directly in the image
- **Flexible classification** - standards or own criteria can be used
- **Open system architecture** with interfaces to operating data systems (ERP)

From the analysis to the result: this is how it works

The scanner is calibrated for colour, and is able to capture sheets up to **A4 format** with a resolution of **600 dpi** or higher. The module employs a sophisticated image analysis process that utilises **threshold-based binarisation** to accurately identify dirt specks. The evaluation process involves a thorough analysis of each object, considering factors such as **size**, **brightness**, and **shape**. Furthermore, each size class is summarised in terms of **area** and **number** per m² or per analysed area. The results are processed systematically and can be exported directly as a **table** or **image** for further processing.



1) Scan the sheet



2) Detect dirt specks



3) Export results as diagram

Would you like to see the module in action?

Are you interested in a live demonstration or a non-binding consultation, please contact us.

Papiertechnische Service- und
Vertriebs GmbH

Pirnaer Straße 37
01809 Heidenau



Mr. Jörg Hempel

Sales Manager

+49 3529 551 659

+49 172 8695 459

joerg.hempel@ptspaper.de