

DOMAS*multispec* – New generation of PTS image analysis system is coming on the market

More than 200 applications in many different sectors of the paper manufacturing and converting industries worldwide have made DOMAS image analysis system a market leader.

After releasing various updates and new application modules, the system was now ported to a new software platform. The most important and eponymous enhancement is the possibility for recording, processing and analysing multispectral data, recorded using a scanner or camera, to supplement optical images.

Utilising additional segments of the electromagnetic spectrum combined with novel image recording devices makes analyses of material samples possible from previously unknown perspectives. The fusion of image analysis data with chemical information creates entirely new possibilities for evaluation in the system. Orientating the system towards fibre-based materials also provide additional applications in related industries (textile, wood). In future, the system will concentrate in particular on multilayers and composite materials.

Another novel feature is a more precise dissociation between the laboratory and expert modes. Laboratory mode enables you to carry out the daily tasks of quality assurance in production in a simple, efficient and reproducible manner. Expert mode offers comprehensive possibilities for conducting scientific studies in research and development.

Yet another innovation which is the key to DOMAS*multispec* future is the fact that the software has been designed as an open image analysis platform, thus making DOMAS*multispec* available to partners as a basis upon which to develop other applications. For instance, algorithms from PMV Darmstadt will in future be able to be integrated into the development of DOMAS*multispec*. There is also a very close co-operative effort with the measuring equipment manufacturer Frank-PTI. The next step towards laboratory automation will be the integration of DOMAS*multispec* into the PTI-Line test bench. By virtue of our strategic partnerships with Elof Hansson and Frank PTI, we wish to increase DOMAS*multispec* sales worldwide in future and promote the further dissemination of this novel product.

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