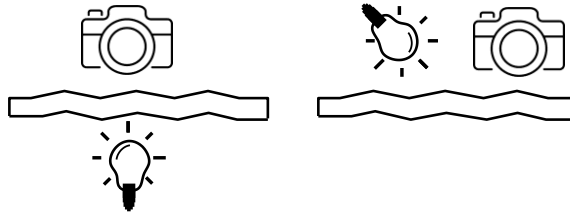


Description



Web Inspection MRP-WIS2008

System description:

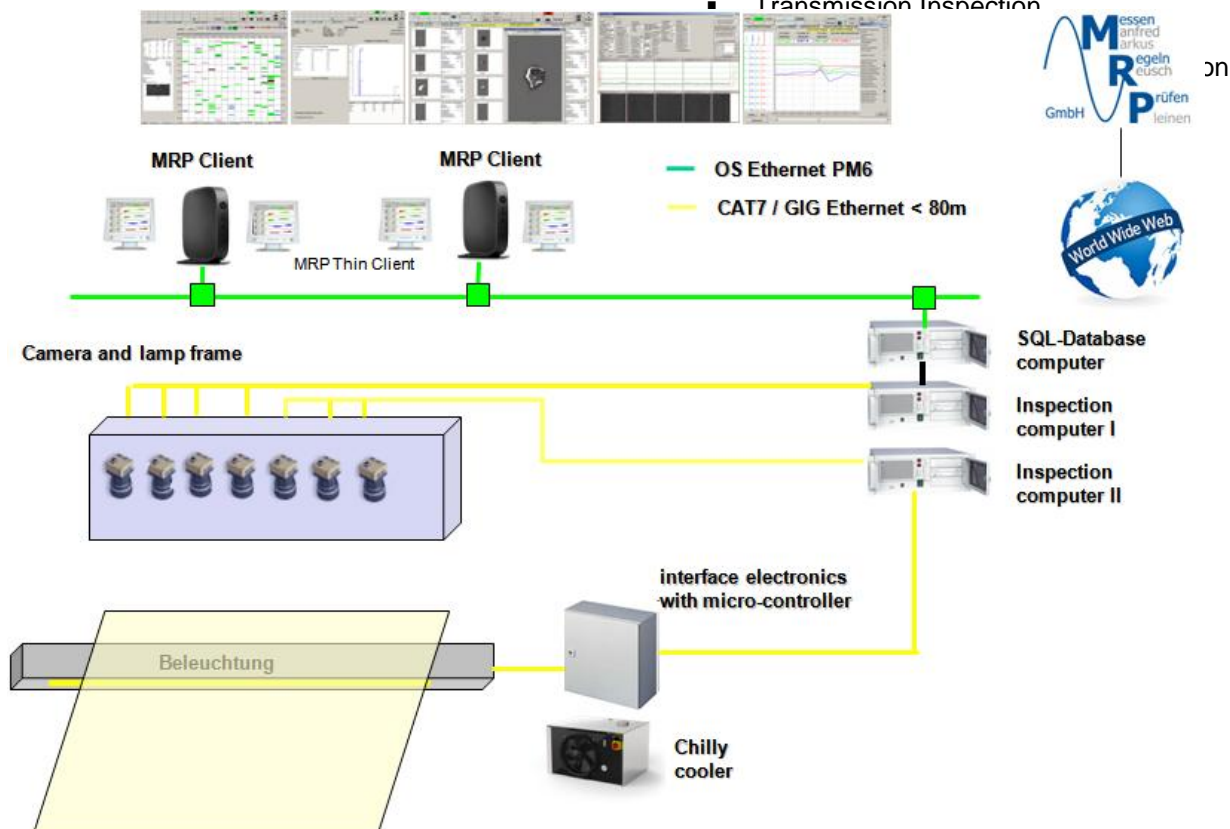
After several years of development MRP presents the new web inspection system MRP-WIS2008. MRP-WIS2008 has been developed for efficient and reliable web inspection of high-quality materials such as paper, film, metal and nonwovens and is used, among other things, for defect location and coating control. It is a modular web inspection system based on the latest camera, transmission and illumination technologies. It allows all inspection tasks around your production and/or finishing chain.

the task. The MRP web inspection system MRP-WIS2008 can be easily adapted to almost any

production line in terms of web width and web speed, both technically and economically.

System structure:

Depending on the product and the defect locations to be inspected, different basic systems/construction variants are used. MRP differentiates here:



Depending on the application, MRP provides a wide variety of setups and system structures - selected and adapted exactly to your requirements for solving

Lighting arrangements for bright and dark field are possible in the assembly types.

Line scan cameras with resolutions of 2048 or 4096 or 8192 pixels are usually used for image acquisition. Aperture fluorescent tubes, UV fluorescent tubes or today mostly LED lights with different wavelengths (white light, blue light, red light or infrared) are available for illumination.

The line scan cameras are connected to the camera computer via GBit-Ethernet. This computer detects and classifies the defect locations from the transmitted image information. In the host computer, the defect locations are displayed and archived according to customer specifications. Service functions and parameterisation are possible here.

An automatic control of the light intensity enables a constant inspection performance regardless of the aging of the lamps, dust and dirt accumulation or changes in the opacity of the product, e.g. when changing the type.

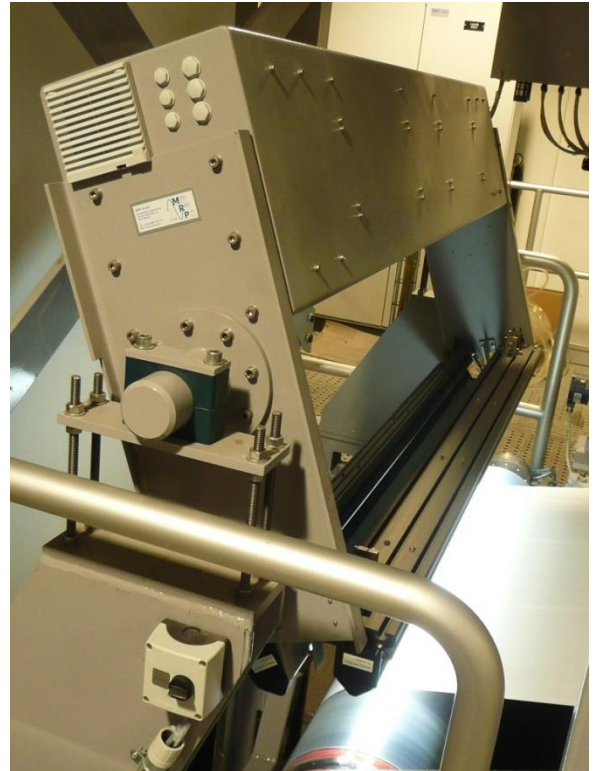
If required, the defect areas can be marked on the front side by a labeling device or printer. Alternatively or additionally, a transfer of the defective spots to a further processing machine (e.g. rewinder) is also possible. Thus so-called target holding systems can be realized.

MRP-WIS2008 has a modular design and can be installed as a client/server structure. Thus several operating stations are possible. Remote access from any Internet workstation is also possible.

In our laboratory we will be pleased to carry out a free sample inspection with logging at your defect locations. This feasibility analysis is the basis for the functional guarantee for the inspection system installed later.

In the fluoroscopy systems a formation measurement according to the specifications of the cell chemistry association is implemented.

The adjacent pictures show typical installations of MRP-WIS2008 systems.



Call us for a Sample inspection!