

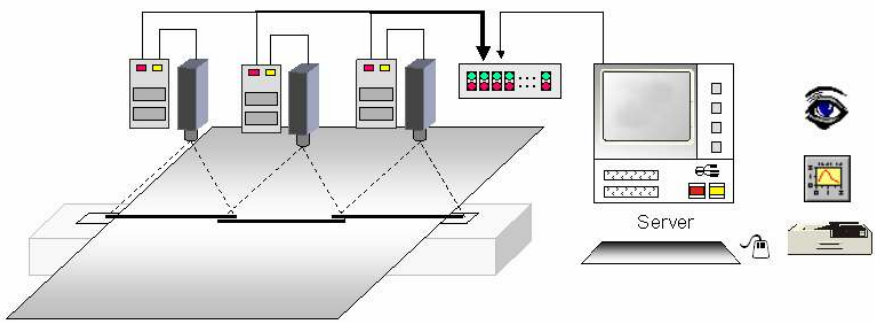
### Brückner Web Inspection System

One of the latest innovative tools launched by Brückner to produce top quality is the Brückner Web Inspection System. This analyzing tool, fully integrated into the control of the production line, means a tremendous improvement for quality and margins. It provides precise and reliable inspection data.

**100% controlled production** → **minimized complaint, minimized waste, optimal process**

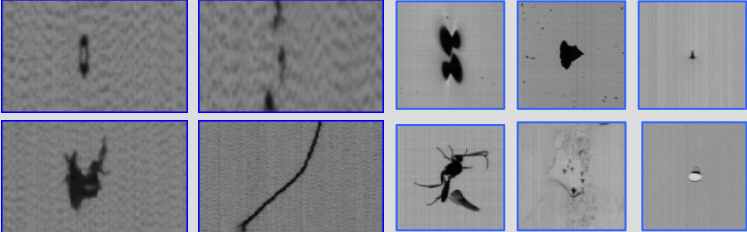
### Check your production – 100%

With high resolution line cameras and special illumination the film is scanned over 100% of the production width. All defects are detected online and saved with the physical parameters and a true picture in a database. For each roll and stripe a report will be generated to document the quality of the complete roll. Further analysis to compare rolls and raw material batches etc. will be done by special offline tools.



### Detectable Defect Types:

- Gels
- Black Spots
- Contaminations
- Die Lines
- Insects
- Holes
- Scratches
- Oil Stains
- Crater, etc

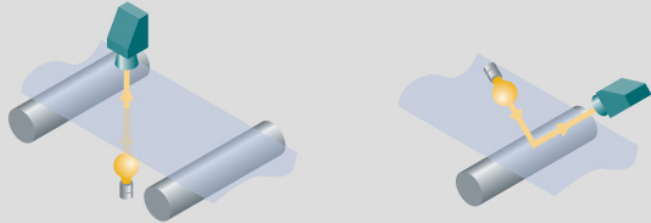


Further information at:  
Brückner Servtec GmbH  
Königsberger Str. 5-7  
83313 Siegsdorf  
Germany  
Phone +49 86 62 63-379  
E-mail [servtec@brueckner.com](mailto:servtec@brueckner.com)



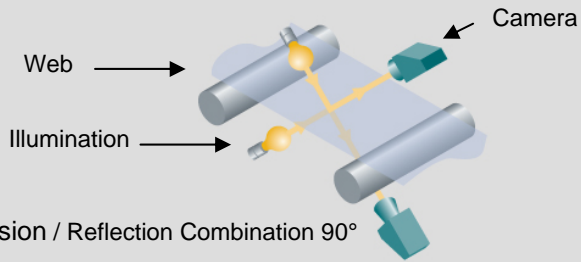
### System Design

Inspection by:

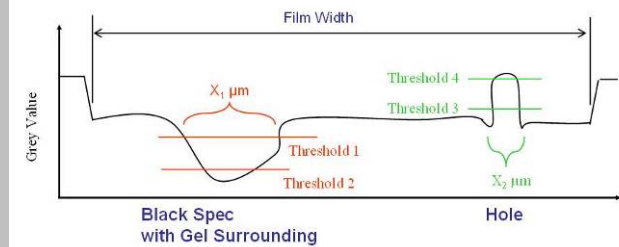


- Transmission

- Reflection



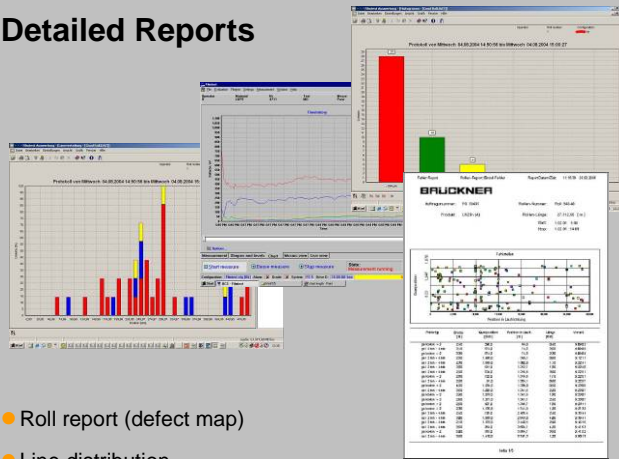
- Transmission / Reflection Combination 90°



### Defect Detection / Classification

- Classification by Fuzzy Algorithms
- Distinction between Fly – Black Spec – Fluffs – Gels – Fisheyes – Contaminations – etc.
- Teach-In Mode (by defect image) for any application specific failure

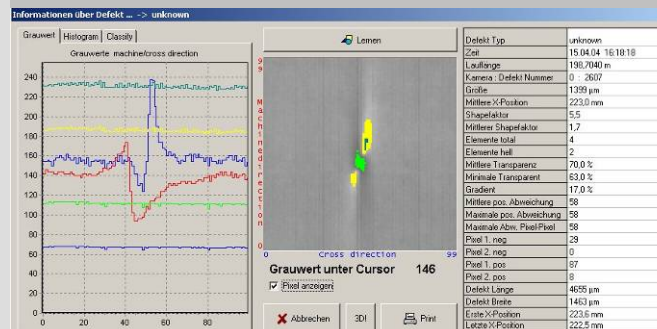
### Detailed Reports



- Roll report (defect map)
- Line distribution
- Time history (defect level)
- Defect overview

### Easy Teach-In Function

- Adjusts the classification parameter automatically by selecting the class due to the interpretation of a defect picture.
- Several additional parameter adjustable by the operator
- Data based system



Further information at:  
 Brückner Servtec GmbH  
 Königsberger Str. 5-7  
 83313 Siegsdorf  
 Germany  
 Phone +49 86 62 63-379  
 E-mail servtec@brueckner.com



## Capability Characteristics

- Resolution:  
Failures of a size of less than 30µm are detectable. For many applications, a 200µm resolution is sufficient and already available at a very economical price level
- Line width:  
Maximum 10m with several cameras
- Line speed:  
Up to 600m/min and more possible depending on the desired resolution

## Line integration

- Best place to install is the pull roll station close before the Winder
  - Easy to setup
  - Short space required
  - Totally integrated in the production process
  - Complete engineering by Brückner Servtec
  - We are exclusively using the optical equipment and digital image processing by OCS, one of the world's leading manufacturers of optical testing systems for quality control.
- Quality made in Germany!

## Benefits

- Comprehensible quality inspection records
- Avoidance of unnecessary and expensive complaints
- Optimization of the production by online detection linked to the process parameters
- Great marketing feature
- Possibility of partitioning for each roll in different quality segments
- Waste reduction by automatic online alarm
- Quicker set-up of new products by online quality monitoring



## Summary

With a Brückner-Web-Inspection-System, you get a tool for a permanent and documented product quality control at the highest level - complaints will be a matter of the past. The online detection and alarm function according to your settings makes it possible to react immediately, minimizes waste and line stops. These will help to win the future price fight in the film market and to stand out from your competitors.

## Our special offer:

**Send in your defective film samples and we will demonstrate how these defects would be identified by our Web Inspection System!**



Further information at:  
Brückner Servtec GmbH  
Königsberger Str. 5-7  
83313 Siegsdorf  
Germany  
Phone +49 86 62 63-379  
E-mail [servtec@brueckner.com](mailto:servtec@brueckner.com)

