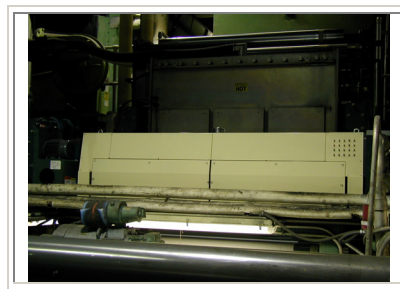
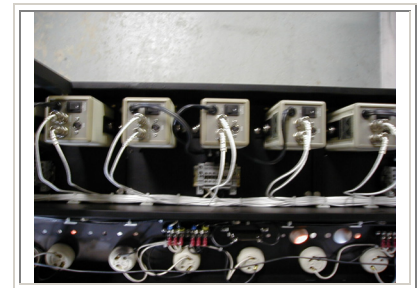
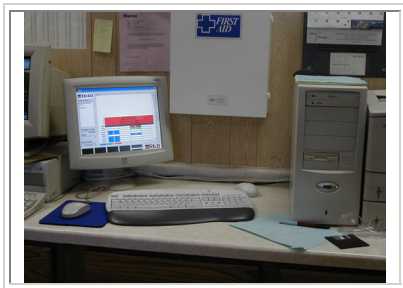
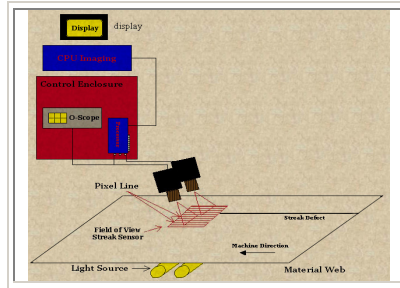
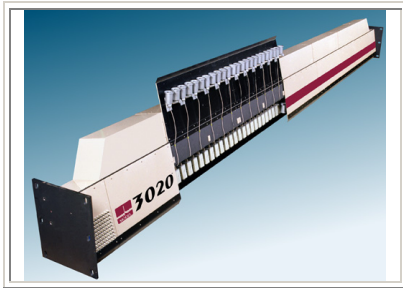


# Model 3020 OPTOMIZER® Coating Streak/Scratch Inspection Technology



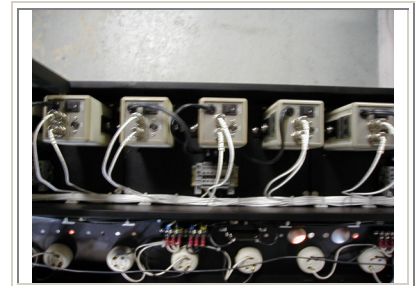
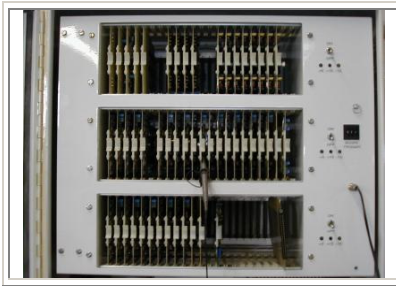
## EQUIPMENT PICTORAL Model 3020 OPTOMIZER® Coating Streak Inspection Technology



### R.K.B. OPTO-ELECTRONICS, INC.

6677 Moore Road • Syracuse, New York • 13211 • United States of America  
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Internet: www.rkbopto.com / www.webinspection.us / www.hole-detection.com

# Model 3020 OPTOMIZER® Coating Streak/Scratch Inspection Technology



**COATING SCRATCH**

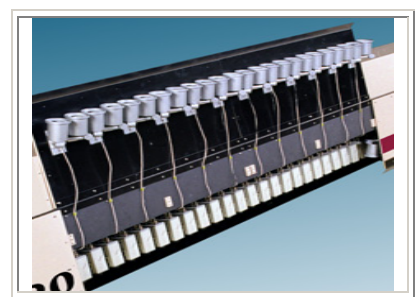
For this sample out patented coating scratch sensor was utilized with our proprietary data processing circuitry. A transmissive light source was used to maximize the defect to the material background. The sensor used a 25mm lens and was placed with a 2" (50.8mm) field of view in the cross machine direction.

As seen in the accompanying oscilloscope photo, the results achieved were excellent. The signal to noise ratio, as shown, was 7:1. This indicates the scratch defect shown here is highly detectable.

**COATING STREAKS**

This sample consists of several streaks on a coated paper. Once again, our patented coating streak sensor with proprietary circuitry was used. A transmissive lighting technique was utilized to enhance the defects of interest. A 25mm lens was used and the sensor was placed with a 2" (50.8mm) field of view in the cross direction.

As seen in the accompanying oscilloscope photo, the results achieved were very good. The signal to noise ratio was 4:1. This shows that the coating streaks are highly detectable.



**LAN Communication Configurations**

Model 3020  
 CDD Camera Sensor  
 Coating Streak/Scratch Inspection Technology (patented)

Network IP Address: 192.168.1.100  
 Subnet Mask: 255.255.255.0  
 Broadcast IP Address: 192.168.1.255  
 Local Port: 8021  
 Ping Interval: 50  
 PTP (Standard) Settings: 30  
 Maximum Sensor PTP: 5  
 Max. # of Stroke Sensors: 4  
 Max. Stroke Sensors PTP: 5  
 Lamp Fault Delay: 5

**Adding Multiple Input Channels Configuration**

# of PTPs	Resolution	Max. # of PTPs
1	1024	1
2	1024	2
3	1024	3
4	1024	4
5	1024	5
6	1024	6
7	1024	7
8	1024	8

**QAMS (Quality Assurance Management System)**

**3020**

Machine Information  
 Model: 3020  
 Version: 2.1.0

Product Code: OMC Test  
 Reel: 1  
 Reel length: 89690.0

LAN settings:  
 Resolution IP address: 192.168.1.100  
 Broadcast IP address: 192.168.1.255  
 Broadcast port: 8021  
 Local IP address: 192.168.1.100  
 Local port: 8021  
 Prog: [ ]

Buttons: REPEAT, RTU, WEB, DIAG, RKB OPTOELECTRONICS

**QAMS (Quality Assurance Management System)**

Product Code: OMC Test  
 Reel: 82  
 Reel length: 25329.4

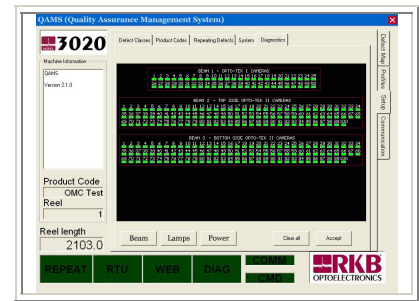
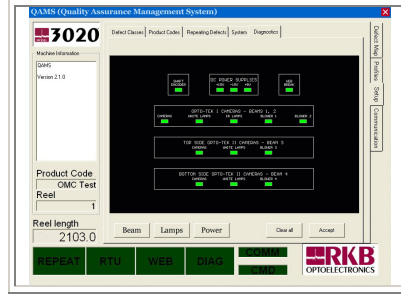
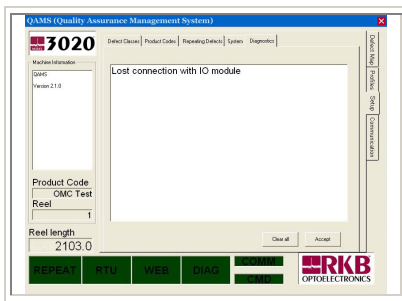
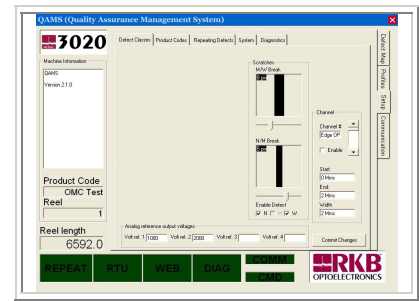
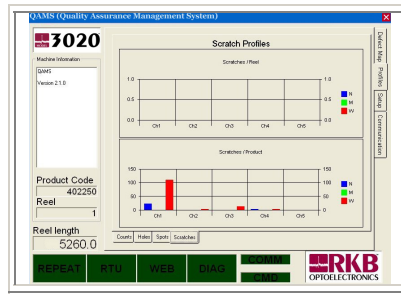
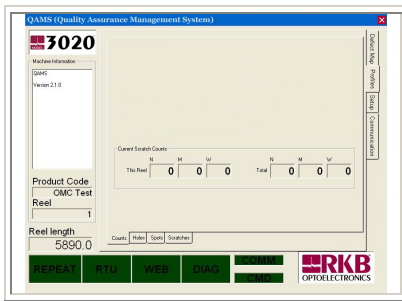
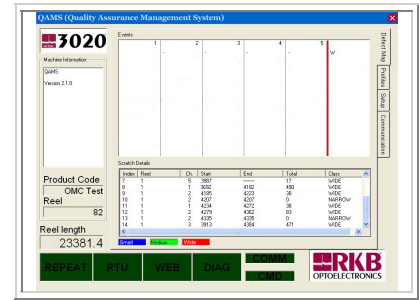
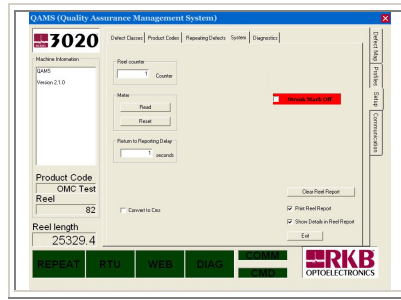
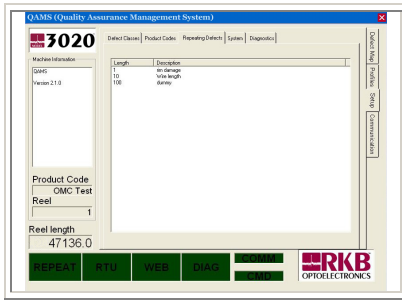
Product Code	Description	Reel Length
0110	10µm resolution	18
0140	40µm resolution	40
0160	60µm resolution	46
0200	80µm resolution	40
0210	100µm resolution	30
0240	Test	46

Buttons: REPEAT, RTU, WEB, DIAG, RKB OPTOELECTRONICS

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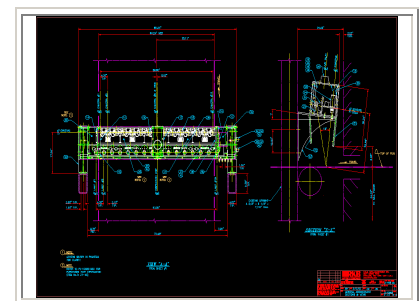
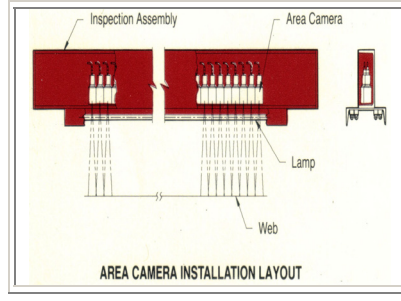
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Events

ID	Date	Data	Type	Minor	CR
62037	11/08/1999 10:31:40	ASXQAS08 Prwmp	A	0	0
66034	11/03/99 7:44:20	ASXQAS08 Prwmp	A	0	0
75203	11/03/99 2:01:24	ASXQAS08 Prwmp	A	0	0
75207	11/03/99 7:40:31	ASXQAS08 Prwmp	A	0	0
74207	11/03/99 7:31:27	ASXQAS08 Prwmp	A	0	0



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