

EQUIPMENT PICTORAL

Model 3040 OPTOMIZER® Machine Vision Web Inspection Technology



**South East
Asian Installation**



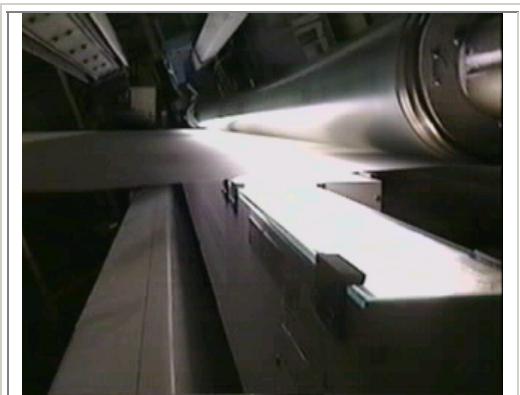
**South East
Asian Installation**



**South East
Asian Installation**



**South East
Asian Installation**



**North American
Installation**



**North American
Installation**

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

6677 Moore Road • Syracuse, New York • 13211 • United States of America
Tel: +001-315-455-6636 • Fax: +001-315-455-8216 • Email: sales@rkbopto.com
Internet: www.rkbopto.com / www.webinspection.us / www.hole-detection.com

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North American Installation



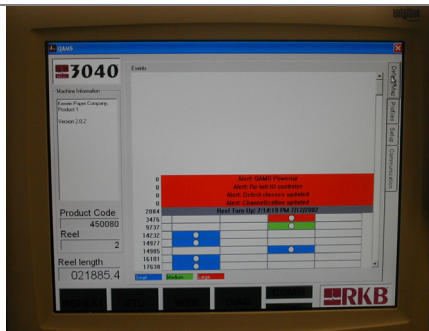
North American Installation



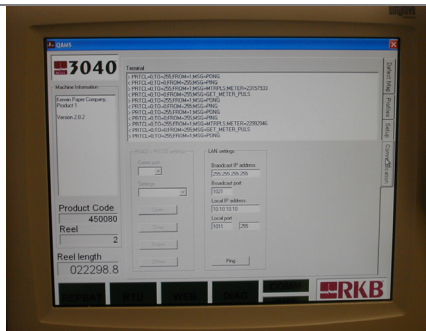
European Union Installation



European Union Installation



Touch System QAMS Program



Touch System QAMS Program



Quality Assurance Management System

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The screenshot shows the 'Defect Class' configuration screen. It features three columns for 'Hole M/L Break', 'Spot M/L Break', and 'Scratches M/L Break'. Each column has a circular or rectangular diagram and a 'Channel' dropdown menu. Below these are 'S/M Break' and 'N/M Break' sections with 'Enable Defect' checkboxes and 'P S D M P L' labels. A 'Reel length' field is set to '000287.3'. At the bottom, there are buttons for 'REPEAT', 'RTU', 'WEB', 'DIAG', 'COMM', and 'Demo', along with the RKB logo.

The screenshot displays the 'Product Code' configuration screen. It includes a table with columns for 'Product Code', 'Description', and 'Basic Weight'. The table lists various product codes and their corresponding descriptions and weights. A 'Reel length' field is set to '000038.8'. The interface includes navigation buttons and the RKB logo.

The screenshot shows the 'Repeating Defect Analysis' screen. It features a table with columns for 'Length' and 'Description'. The table lists defect lengths and their descriptions. A 'Reel length' field is set to '000744.4'. The interface includes navigation buttons and the RKB logo.

The screenshot displays the 'System Information' screen. It includes fields for 'Reel counter', 'Make', 'Return to Repeating Defect' (set to 10 seconds), and 'COMM Buffer Max' (set to 1024 bytes). There are checkboxes for 'Convert to Inches', 'Print Reel Report', and 'Show Details in Reel Report'. A 'Reel length' field is set to '000226.9'. The interface includes navigation buttons and the RKB logo.

The screenshot shows the 'Defect Profiling' screen. It displays 'Current Hole Counts' and 'Current Spot Counts' for 'This Reel' and 'This Product'. Below these are 'Current Scratch Counts'. A 'Reel length' field is set to '000420.7'. The interface includes navigation buttons and the RKB logo.

The screenshot displays the 'Hole Defect Profiles' screen. It features two bar charts: 'Hole Reel' and 'Hole Product'. The 'Hole Reel' chart shows counts for various hole types (C1A, C2A, C3A, C4A, C5A, C6A, C7A, C8A, C9A, C10A). The 'Hole Product' chart shows counts for various hole types (C1A, C2A, C3A, C4A, C5A, C6A, C7A, C8A, C9A, C10A). A 'Reel length' field is set to '000364.8'. The interface includes navigation buttons and the RKB logo.

The screenshot displays the 'Spot Defect Profiles' screen. It features two bar charts: 'Spot Reel' and 'Spot Product'. The 'Spot Reel' chart shows counts for various spot types (C1A, C2A, C3A, C4A, C5A, C6A, C7A, C8A, C9A, C10A). The 'Spot Product' chart shows counts for various spot types (C1A, C2A, C3A, C4A, C5A, C6A, C7A, C8A, C9A, C10A). A 'Reel length' field is set to '000629.3'. The interface includes navigation buttons and the RKB logo.

The screenshot shows the 'Real Time Defect/Alarm Mapping' screen. It displays a grid of events with columns for 'Reel Turn Up' and 'Reel Turn Up'. The grid shows various event types and their occurrences. A 'Reel length' field is set to '000484.5'. The interface includes navigation buttons and the RKB logo.

The screenshot displays the 'Communications LAN' screen. It includes fields for 'LAN setup', 'Board IP address', 'Board port', 'Local Address', and 'Localport'. There are buttons for 'Open', 'Close', and 'Pop'. A 'Reel length' field is set to '000377.3'. The interface includes navigation buttons and the RKB logo.

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Alarm events

Date by Month	Product	Reel	Description	Time
Tuesday, January 29, 2002				
SR50GT90				
	1		ReintIO controller	4:04:06 PM
			GAMB Powerup	4:04:06 PM
			GAMB Powerup	4:06:10 PM
			ReintIO controller	4:06:10 PM
			GAMB Powerup	4:14:35 PM
			ReintIO controller	4:14:35 PM
			GAMB Powerup	4:16:55 PM
			ReintIO controller	4:16:55 PM
			ReintIO controller	4:20:17 PM
			GAMB Powerup	4:20:17 PM
			ReintIO controller	4:21:28 PM
			GAMB Powerup	4:21:28 PM
			Defect classes updated	4:07:23 PM
			Revealing defect: 388	4:08:11 PM
Wednesday, January 30, 2002				
SR50GT90				
	1		GAMB Powerup	7:32:21 AM

Alarm Event Reporting

Defect events

Date by Month	Product	Reel	Meter	Ch.	Type	Time
Tuesday, January 29, 2002						
SR50GT90						
		1				
			04	1	Holes large	4:17:15 PM
			407	1	Holes medium	4:07:51 PM
			697	1	Spots small	4:09:06 PM
			775	1	Spots medium	4:08:11 PM
			833	1	Holes medium	4:08:26 PM
			952	1	Spots large	4:10:12 PM
			1378	1	Spots small	4:10:49 PM
Wednesday, January 30, 2002						
SR50GT90						
		1				
			30	1	Holes medium	8:48:47 AM
			57	1	Holes small	8:48:53 AM
			74	1	Spots small	7:33:49 AM
			89	1	Spots medium	7:33:44 AM
			115	1	Holes small	7:33:51 AM
			341	1	Holes medium	8:48:09 AM

Defect Event Reporting

Reel turn-up event

Date by Month	Product	Reel	Meter	Time
Tuesday, January 29, 2002				
SR50GT90				
	1	1386		4:10:48 PM
Wednesday, January 30, 2002				
SR50GT90				
	1	1385		7:38:05 AM
	2	1382		7:42:54 AM
	3	1382		7:47:42 AM
	4	1383		7:52:23 AM
	5	1384		7:56:52 AM
	6	1384		8:01:21 AM
	7	1386		8:06:00 AM
	8	1385		8:10:45 AM
	9	1383		8:15:25 AM
	10	1380		8:20:07 AM
	11	1383		8:24:46 AM
	12	1389		8:29:31 AM
	13	1385		8:34:03 AM
	14	1385		8:38:38 AM

Reel Turn Up Reporting

Web-break event

Date by Month	Product	Reel	Meter	Time
Tuesday, January 29, 2002				
SR50GT90				
		1		
			52	4:21:42 PM
			516	4:17:52 PM
Wednesday, January 30, 2002				
SR50GT90				
		1		
			414	7:36:09 AM
			426	8:48:34 AM
			636	8:48:28 AM
			952	7:37:26 AM
			1036	7:38:33 AM
		2		
			639	7:40:54 AM
			1123	8:54:52 AM
		3		
			320	7:44:22 AM
			676	8:49:43 AM

Web Break Event Reporting

REPEAT

RTU

WEB

DIAG

COMM

Demo

Diagnostic Alarm Reporting



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