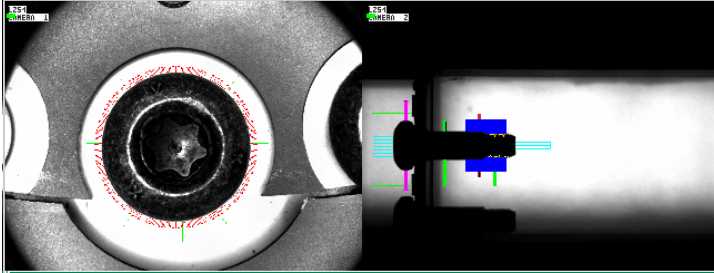




# Retina Systems, Inc.

Inspect, Count, Package, Report

## Model 300 Series Bolt/Screw Inspection



Retina  
Part No: K6035888

TARGET SETUP  
Light1 Power: 3.5  
Ring Light : 1  
Hopper Speed: 0  
Bowl Speed : 54  
Inline Speed: 10  
EjectAir(psi): 0  
Target Rate : 220  
Segment : 106  
Light1 Pos : 1.00  
Camera1 Pos : 1.20  
Camera2 Pos : 1.65  
Dial Speed : -4.5

TOP	Head Diam.	Head SRound	Head Burst	Torx	Finish
CURRENT:	0.838	0.003			
UPPER:	0.850	0.010			
LOWER:	0.825	0.000			
OVERS:	0	0			
UNDERS:	0	0			

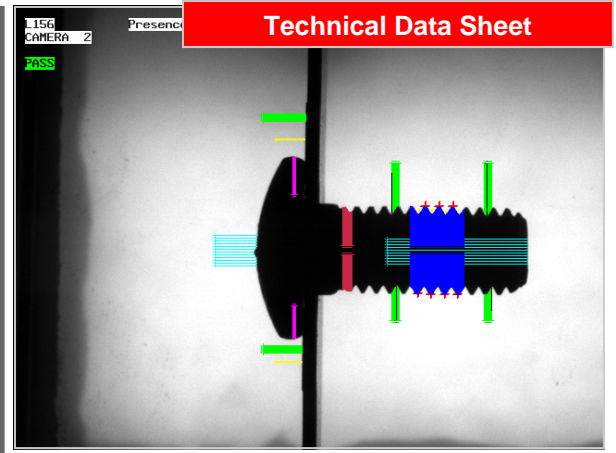
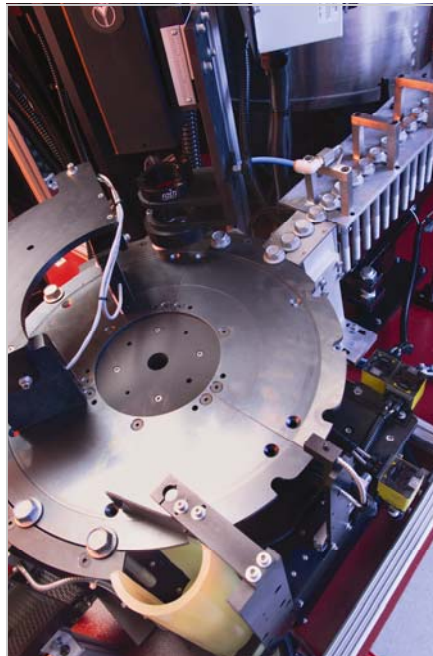
PROFILE	Head Height	Head Diam.	Flange Diam.	Washer Height	Washer Diam.	Ov' all Length	Shank Length	Shank Bend	Slider Diam.
CURRENT:	0.325	0.845				2.053	1.727		0.485
UPPER:	0.335	0.855				2.080	1.750		0.500
LOWER:	0.300	0.835				2.020	1.600		0.450
OVERS:	0	0				0	0		0
UNDERS:	0	0				0	0		0

PROFILE	Slider Length	Minor Diam.	Major Diam.	Thread Pitch	Patch	Point Length	Point Diam.	Upper Thd.	Slider Radius
CURRENT:	1.274	0.382	0.422						
UPPER:	1.400	0.400	0.435						
LOWER:	1.200	0.360	0.410						
OVERS:	0	0	0						
UNDERS:	0	0	0						

Retina Inspected and Certified Parts: 99878

Retina's standard Model 342 Vision Inspection System is the ideal solution for bolts/screws and hanging product. This system inspects for Thread Damage, Thread Minor/Major Diameter, Thread Pitch, Head Cracks, Drive Type, Dimensional Diameters and Lengths, Patch Presence, Point Presence/Type, Bent Shank, and more. For over 21 years, Retina Systems' personnel have provided non-contact, automated turnkey inspection systems, packaging systems, application expertise, service and support. Our application driven process delivers technology and product solutions based on customer's specific inspection requirements. More importantly, it provides the opportunity to set up, test, and validate the inspection method prior to design and manufacture of the system putting you, the customer, at NO RISK!



## The Retina Solution

### Inspect

With over 15 standard model inspection systems, we have a solution to fit your needs. We use MINITAB statistical software to certify each dimensional inspection, putting you at no-risk to your customers. Dynamic repeatability of 0.001" or better in a production environment is accomplished with your application in mind.

### Count

With our U.S. patented material handling systems, each part is carried through the entire inspection process. Bad parts are rejected and good parts are ejected and counted into a container of your choice. The inspection system records the exact count of good parts, bad parts, and total parts with rate in parts per minute and reject %.

### Package

You don't want to add another bulk process after inspection. *Inspect, Count, and Package.* Retina's automated packaging conveyors and integrated baggers should be added inline with your inspection system to eliminate any potential contamination associated with bulk packaging.

### Report

M.O.R.E. Reporting (Monitoring Operations & Reporting Efficiencies) comes standard on all 300 series Vision Systems. Retina Vision Systems give management the production data they want to track and predict throughput and system efficiencies for your LEAN and Six Sigma programs.