

## Industrial Vision Systems

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# VISION SOLUTION FOR CROWN PRINT INSPECTION



**Tej Control Systems Pvt. Ltd.** Plot no 329/331, Satish Ind Engg, Road no 25, Wagle Ind Estate.  
Thane (W). Mumbai, India Ph : +91 22 25838191 to 97 Fax:+91 22 25838199

[www.tejivs.com](http://www.tejivs.com)

## **CROWN PRINT INSPECTION SYSTEM**

**CROWN PRINT INSPECTION SYSTEM** developed by the TIVS is a comprehensive inspection solution for the Determination of printing problem occurring in crown production. The Inspection system is compact in design and can be easily integrated into existing production lines.

### **Highlights of the system**

- Designed to work in the industrial environment.
- Can be easily integrated into the existing machinery.
- Easy menu based programming. Doesn't require knowledge of programming languages like C or C++
- Faster System Integration leading to Faster ROI.
- Optional data Capturing system to store and report shift wise data.

### **Standard Solution Offering**

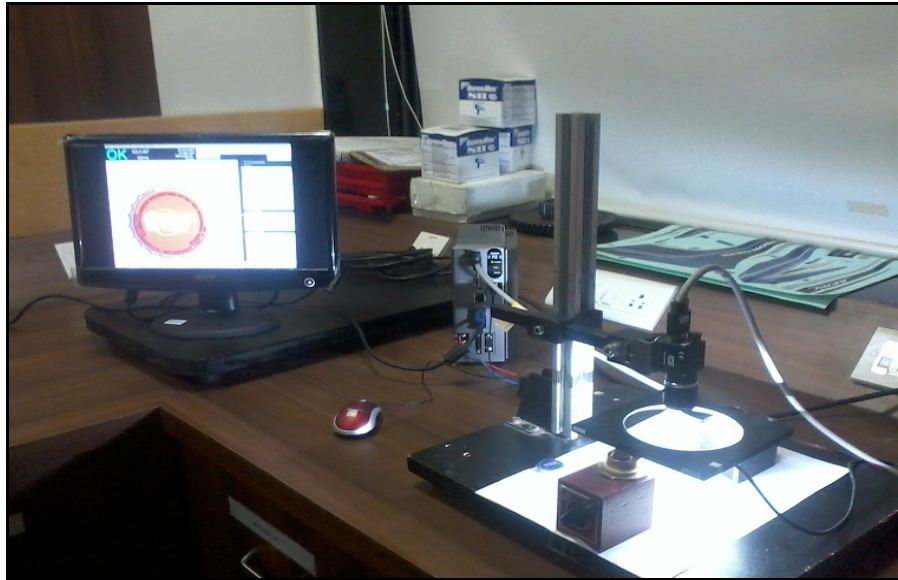
The solution offering are strategically designed to suit the industry needs.

The system comprises of the following stations:

- Double Color Camera High Resolution based Inspection System.
- high speed Vision Capturing & processing System.
- High speed Strobe controlled Lighting system.
- LCD monitor for process monitoring.
- Programming console or mouse for programming the Vision System.
- High speed rejection system.
- PLC based control Station.
- Complete mounting accessories.
- Inspection station for inspection of various defects.
- Pneumatic Rejection Station for rejecting the defective samples.

## HARDWARE USED AND CAPABILITIES:

### CAMERA SETUP:

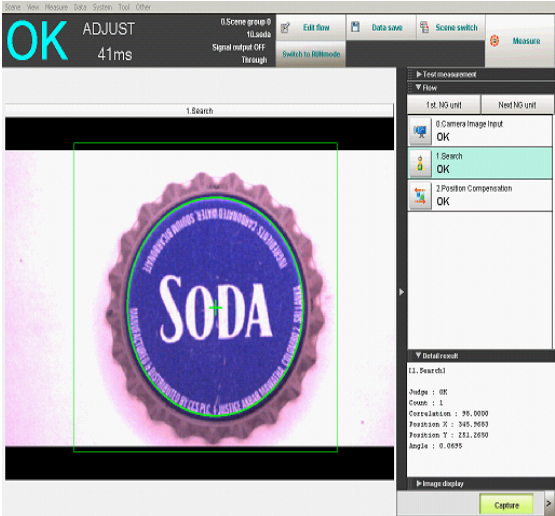
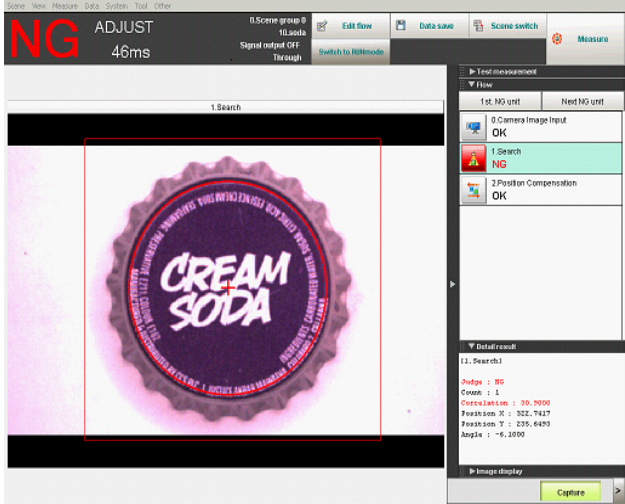
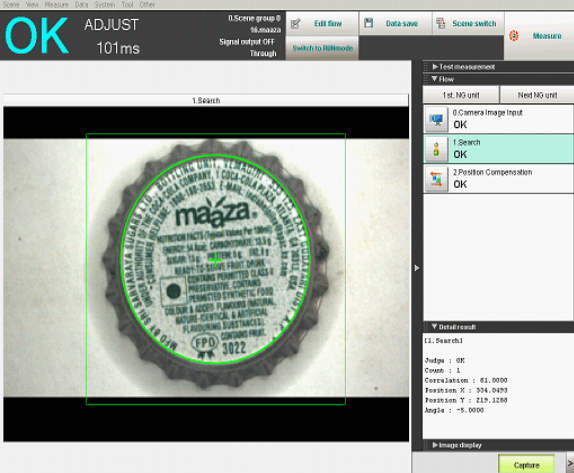
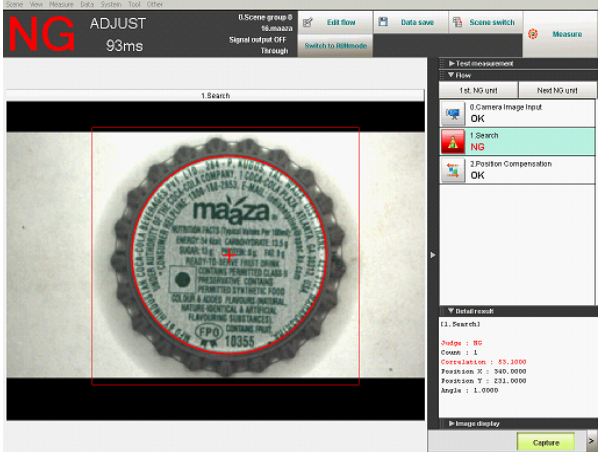


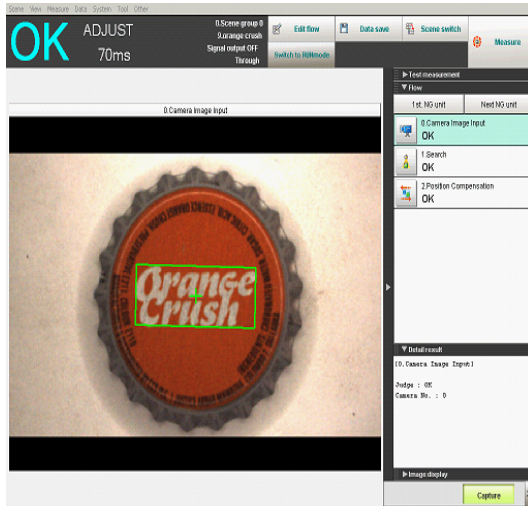
<b>INSPECTION CAPABILITIES</b>	<b>1. Print Inspection</b> <ul style="list-style-type: none"><li>• Letter missing</li><li>• Different sample detection</li></ul>
<b>SYSTEM ACCURACY</b>	100 micron
<b>SYSTEM SPEED</b>	2500 samples / min.
<b>PRODUCTS TYPE</b>	Cream Soda, SODA, Necto, maaza 3022, KingFisher Strong, Haywards 5000 Gold
<b>CAMERA</b>	<b>TWO High</b> resolution Color camera with controller.
<b>LENS</b>	12mm Variable focal
<b>ILLUMINATION</b>	High intensity LED White Low angle lighting.
<b>Basis of Inspection</b>	On the basis of Proper print is present on the CROWN.

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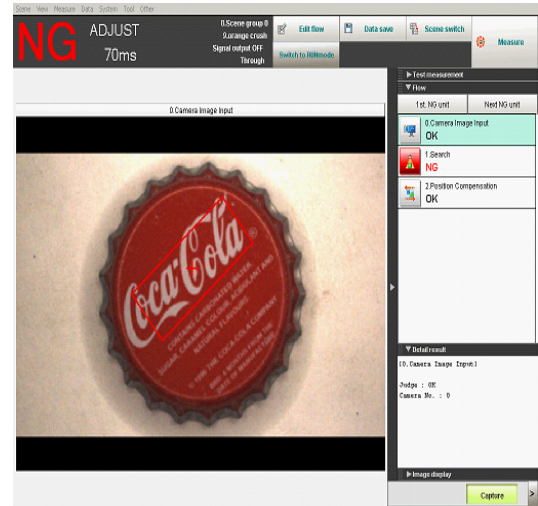
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TABLE BELOW SHOWS THE CAMERA RESULT FOR **OK** AND **BAD** SAMPLES:

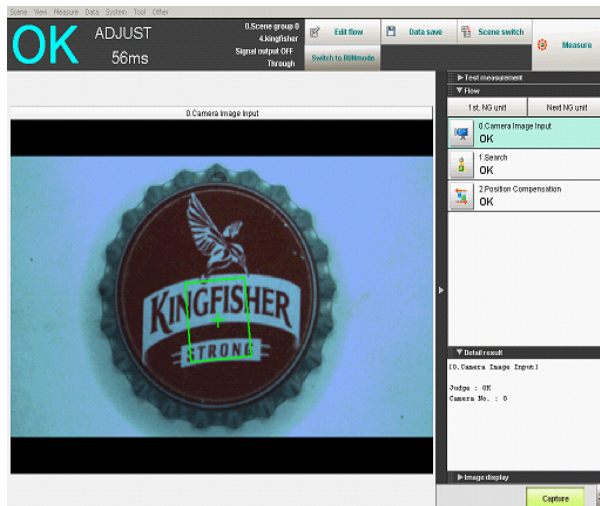
CAMERA RESULT <b>OK</b> SAMPLES	CAMERA RESULT <b>NG</b> SAMPLES
 <p><b>OK SAMPLE</b> <b>SODA CROWN</b></p>	 <p><b>BAD SAMPLE</b> <b>OTHER THAN SODA CROWN</b></p>
 <p><b>OK SAMPLE</b> <b>MAAZA 3022</b></p>	 <p><b>BAD SAMPLE</b> <b>MAAZA 10355</b></p>



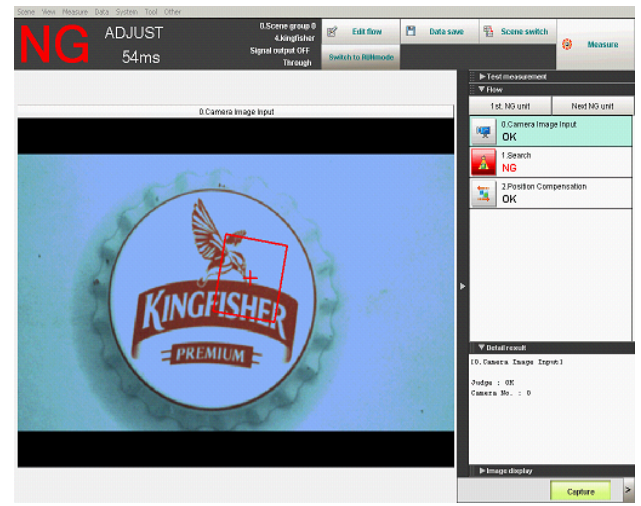
**OK SAMPLE  
ORANGE CRUSH**



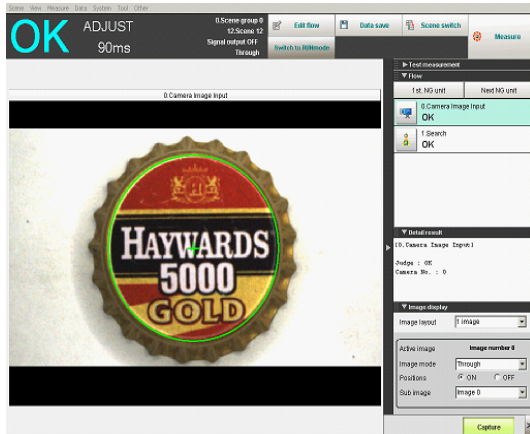
**BAD SAMPLE  
OTHER THAN ORENCE CRUSH**



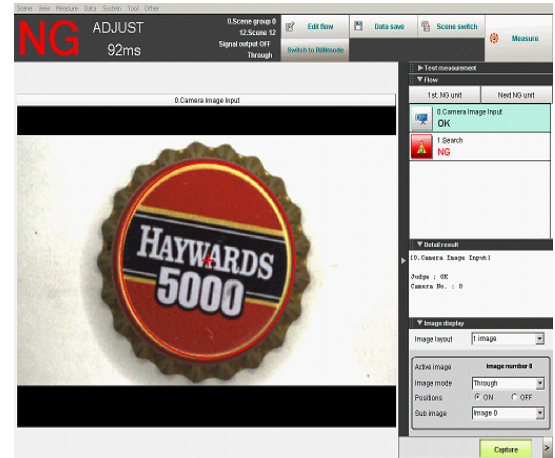
**OK SAMPLE  
KINGFISHER STRONG CROWN**



**BAD SAMPLE  
OTHER THAN KINGFISHER STRONG  
CROWN**



**OK SAMPLE  
HAYWARDS 5000 GOLD**



**BAD SAMPLE  
OTHER THAN HAYWARDS 5000 GOLD**

## Why Us

**TIVS** is driven by the core values of service, integrity, and innovation. Our strength lies in our agility to adapt to a dynamic market, and our ability to transform challenges into successful market opportunities.

Our capabilities target winning results by understanding your technology needs aligned to your business objectives. Our differentiator is in servicing our clients to make them win; when you talk to us, you will understand our technologists possess significant insight into your business processes, much better than many other service providers.

We are renowned for our ability to provide products, solutions and implementation frameworks that are delivered through a strong focus on core business issues, strong process orientation and industry domain knowledge. We partner with our clients and implement solutions to successful completion, and ensure that they realize the desired business benefits.

### **We consistently focus on:**

- \* Reducing the Total Cost of Ownership (TCO) for our customers
- \* Understanding customer needs before making recommendations
- \* Offering solutions based on specific customer needs
- \* Creating an organization based on learning, innovation, and quality
- \* Enabling employees to realize their full potential
- \* Conducting ourselves with the highest sense of integrity

### **For more information contact:**

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Thane west - 400 604.  
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