



AUTOMATED QUALITY INSPECTION

Faster, Smarter, Defect-Free

RT Series
Universal Inspection Machine
AI-Powered Precision



RT Series Feeder Options

Automatic Feeding



Manual Feeding



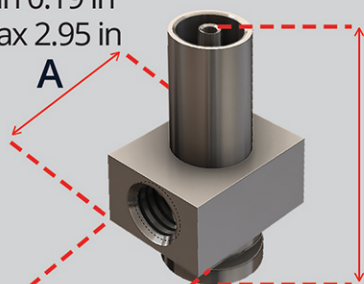
Vision Guided Robotic / Vibratory Feeding

The machine inspects up to **3,600 parts per hour**.

Three Vision Stations (VS)

Min 0.19 in
Max 2.95 in

A



B

Min 0.11 in
Max 2.36 in

C

Min 0.11 in
Max 2.36 in

VS 1
Top Cam
Angle Cam

VS 2
Inside Cam
Bottom Cam

VS 3
Front Cam

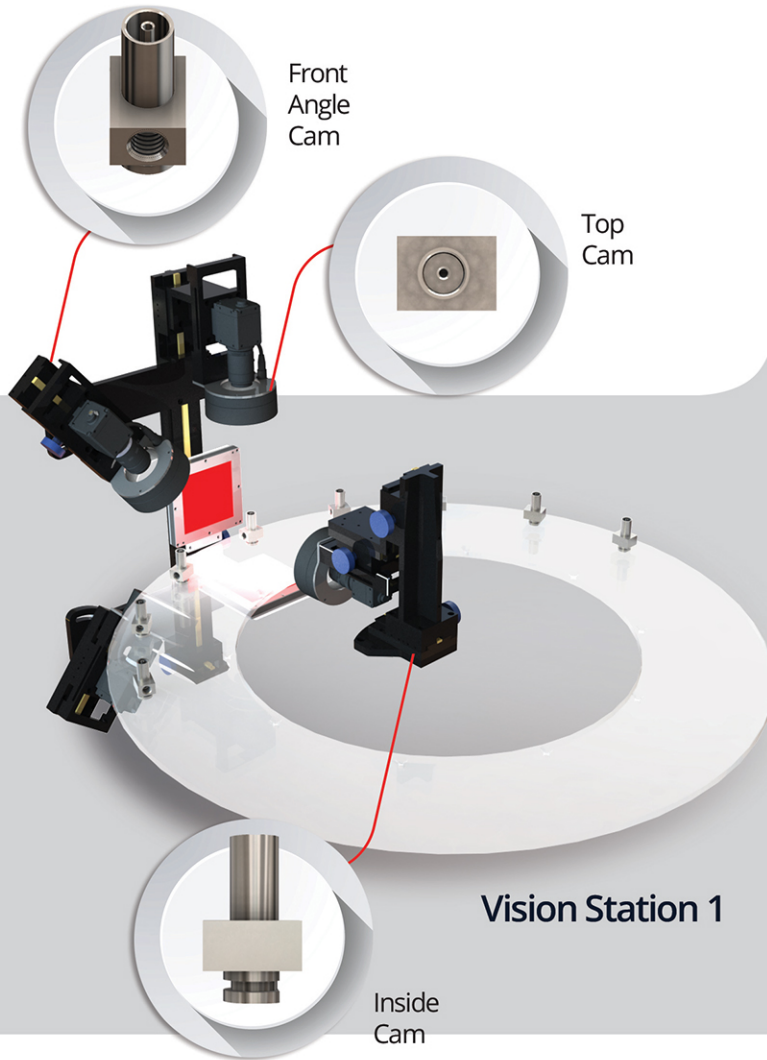
Scrap Chute

Good Part Chute

Feeder Conveyor Choices

Vision-guided Robotic Feeders | Vibratory Feeders | Manual Feeding

Customize the machine



Camera Choices

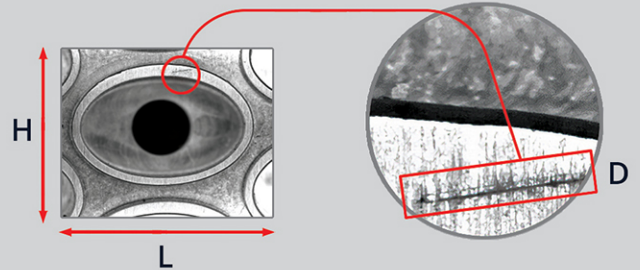
(e.g. *Field of View* (L x H): 2.36 x 2.95 in)

Resolution

VGA (Standard)
2MP (High)
5MP (Ultra-high)

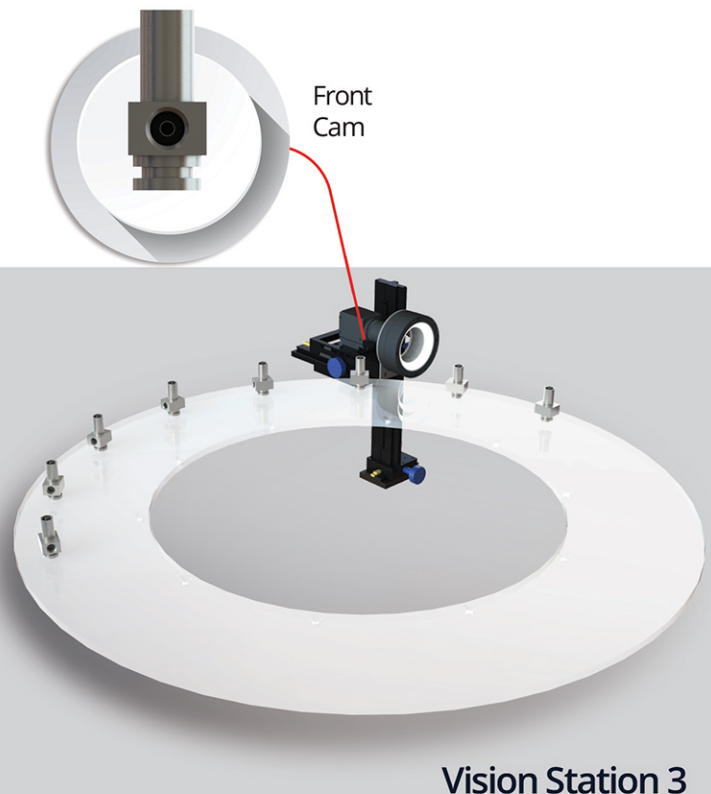
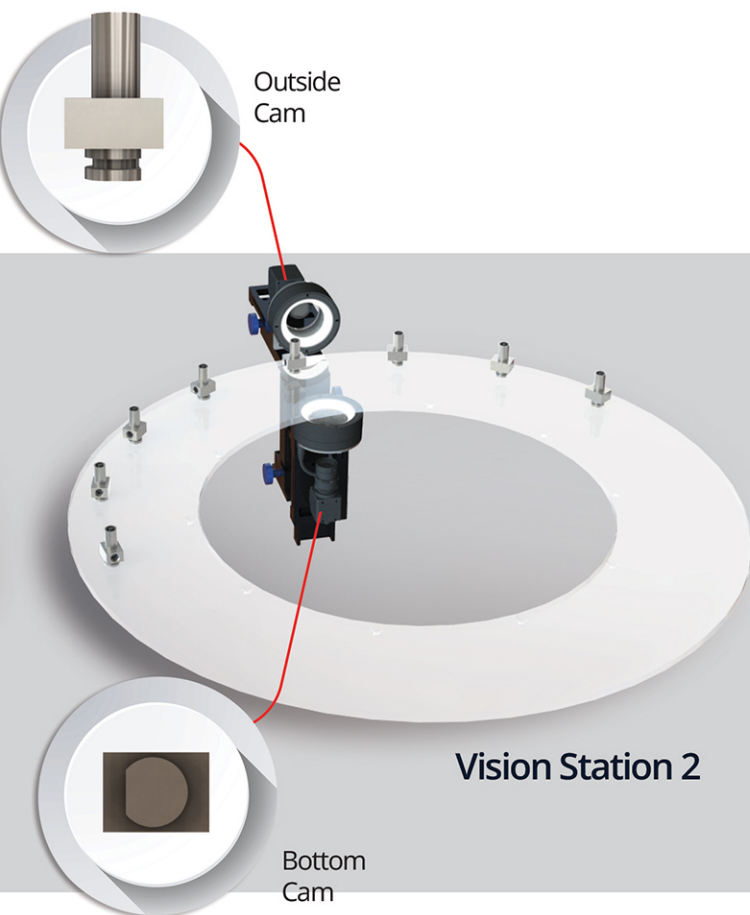
Min Detectable Defect (D)

0.014 in
0.005 in
0.003 in



Customize the machine to your specifications by selecting the appropriate camera based on your part size.

Choose the right camera resolution for your inspection by considering the size of the smallest defect you need to identify.



Business Model

Purchase & Own

Acquire the RT machine outright for complete ownership, seamlessly integrating it into your facility as an essential asset.

Certify at Sorsys Hub

We handle inspection, packaging, and certification at our facility with a per-part charge.

Rent-to-Own

Explore the flexibility of a rent-to-own arrangement, enabling you to make convenient installments while progressing towards full ownership of the machine.

On-Site Lease

Opt for leasing the machine and seamlessly operate it at your facility, choosing from a fixed rate or a usage-based plan.



Customer-supplied Parts



Inspected & Approved Parts

What We Offer with Our In-House Services:

Expert Inspection and Sorting: Our advanced machines quickly detect any issues, ensuring every part meets your standards.

Pack It Up, Mark It Up: After inspection, we pack everything according to your instructions and label it for easy tracking.

We Stick to the Rules: Our inspections follow top industry standards, tailored to your specific needs.

Fair Pricing: Transparent costs based on sorting complexity and part quantity.

High Capacity: We handle 24,000–28,000 parts per 8-hour shift, ensuring fast turnaround.

Typical Return on Investment (Month)

	Standard Precision	High Precision	Ultra-High Precision
EAU (Millions)*			
1-3	11	13	16
3-5	7	8	10
5-6	6	7	8

* Estimated Annual Usage

Up to 8 Cameras Inspecting Parts From Different Angles

When ordering the RT Series Inspection Machine, assess your inspection needs by considering which side(s) of the part require inspection.

Our machine can accommodate up to 3 stations and up to 8 cameras, ensuring optimal coverage for your specific application.



SAMPLE INSPECTED PARTS

Diecast



Machining



Stamping



Springs



Plastic



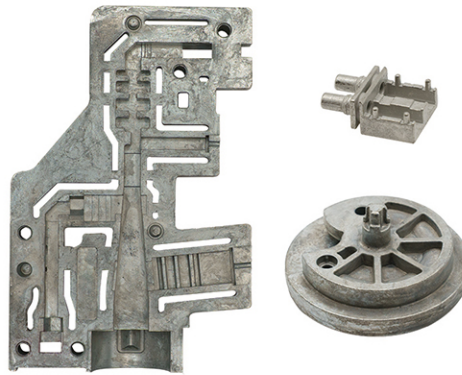
Inspection Capabilities Include:

In a single cycle, the RT Series inspection machine thoroughly examines unlimited areas of a part for various inspection parameters, including:

- Flash
- Burrs
- Shapes
- Surface damage
- O.D. & I.D. dimensions
- O.D. & I.D. thread checks
- Voids
- Weighing
- Blemishes
- Colors & Cracks
- Structural properties
- Visual indicators related to material composition

Defect Inspected

Diecast Parts

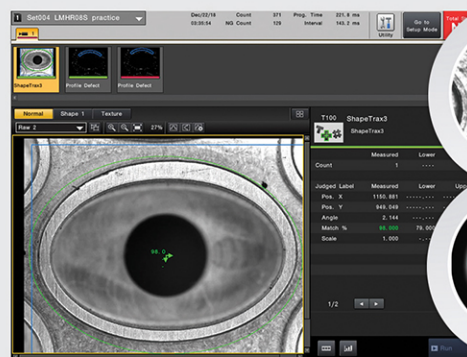


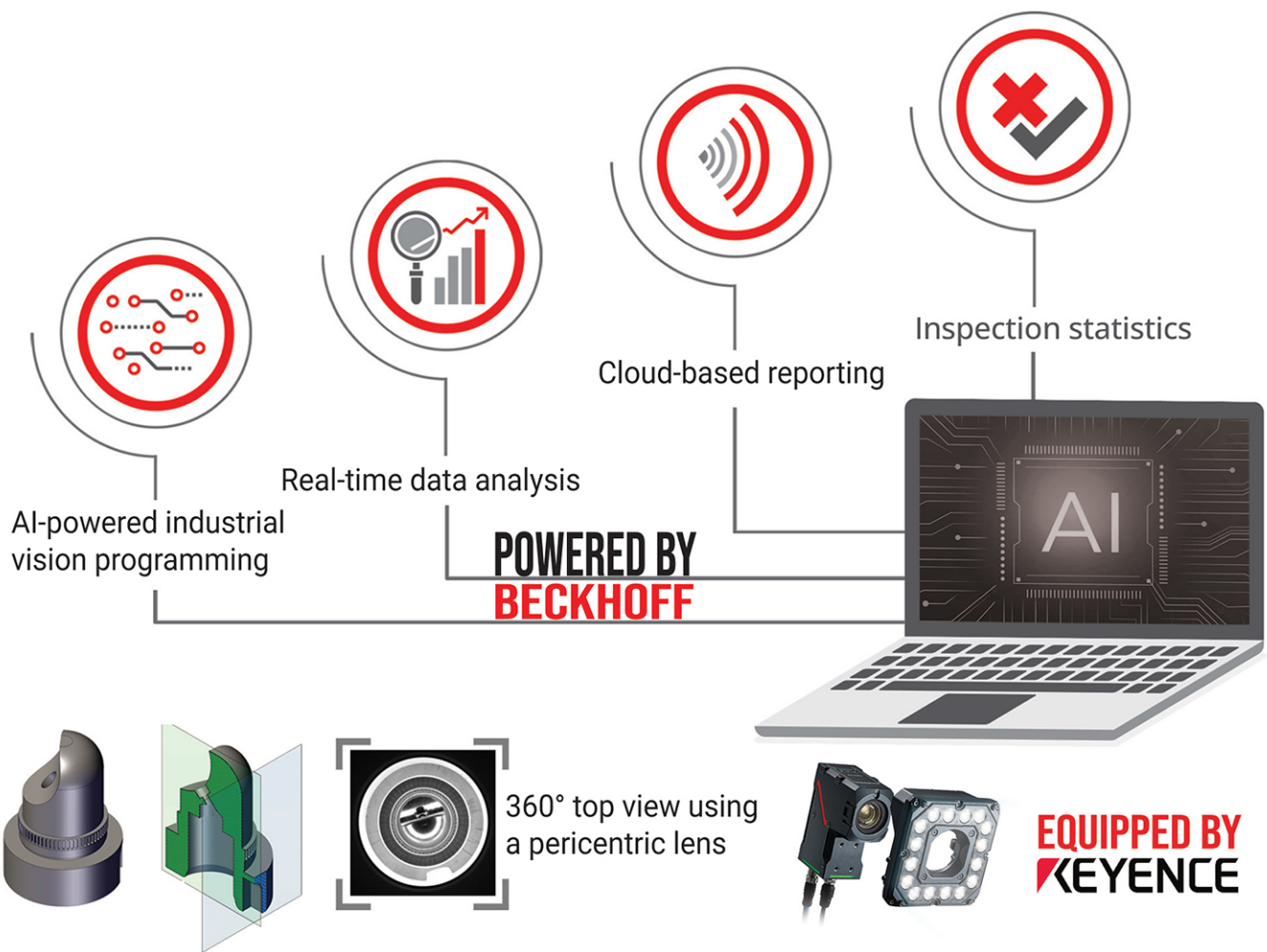
Approved parts



Rejected Damaged Parts

HMI View





Advanced Features of the RT Series

Efficiency: Fast, precise inspections to boost productivity

Versatility: Handles multiple part types without custom setups

AI Integration: Smarter inspections with AI-powered models

Data-Driven: Actionable insights from real-time analysis

Remote Connectivity: Secure monitoring and control anywhere

Fast ROI: Maximize returns in high-volume production



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