

USE CASES IN INDUSTRIAL MANUFACTURING

Here's just some of what you can do with Detect-It AI Software:

- **Operator corrective assistance applications**
 - » Stepping operators through correct assembly sequences (Automated Work Instructions) the station tells the operator what to do and makes sure they do it
 - » Ensuring that the operator has correct tool on the gun
 - » Ensuring that the operator has the wrench on the correct bolt (won't enable torque gun and/or record torque and angle to correct bolt)
 - » Ensuring that the operator is holding and installing the correct sub-component in the correct location
- **Good-Bad quality determination applications**
 - » Label Inspection (ensuring you have the correct label applied and is its print quality good or bad)
 - » Surface Inspection (scratches, dings, blemishes, etc.)
 - » Gap Inspection (too big, too small, not aligned, etc.)
 - » Injection mold short-shot detection
 - » Weld bead Inspection
- **Part identification applications**
 - » Determining what part type is loaded (1-2-3, A-B-C etc.)
 - » Determining if correct part is present
 - » Barcode location detection and decoding
- **Presence/Absence detection applications**
 - » Detecting if the correct sub-components are installed
 - » Detecting if the correct sticker is on the part
 - » Detecting if clamps are installed correctly
- **Object counting and location detection applications**
 - » 2D-Object or location coordinates and counts on fixed or moving parts

What was NEVER possible is now possible.

What was VERY HARD to do is now easy.

What was UNSTABLE is now robust.

Detect-It software brings Human Like Intelligence to places it's NEVER BEEN BEFORE.

Detect-It is AI for EVERYONE.



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UEI: H4Z4KSVBMMC8

Cage Code: 9TSC4

NAICS Codes: 541512, 541519, 541690



The **ONLY** tool you need to create, deploy and run AI vision applications.

To learn more go to detect-it.ai

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The coder-free development platform that gives any camera human-like intelligence.

If you can see it, we can Detect-It.

Detect-It Nets can be created very quickly and deployed to the edge where they run in real time, via live video feeds.

- Run multiple cameras and nets off of 1 local or network PC
- Save images/videos for traceability/accountability
- Recapture loop feature; the ability to capture additional training data with automatic labeling and send back to Net Builder to enhance the net
- Save multiple custom dock configurations for easy redeployment
- Dynamically deploy and retract single or multiple nets in a single instance and remotely with a saved layout launch
- Run multiple programs/nets off of a single camera feed
- Camera agnostic, will run off of any camera that can get a view of your part or environment
- External device communications including PLCs, MES systems, MQTT, Torque Wrenches, I/O Relays and Databases and Storage Devices
- Create/run custom scripts
- Read and translate barcodes
- Control steps and/or enforce build sequence/order of operations
- Works with live video from network or USB cameras as well as existing/saved video files and images

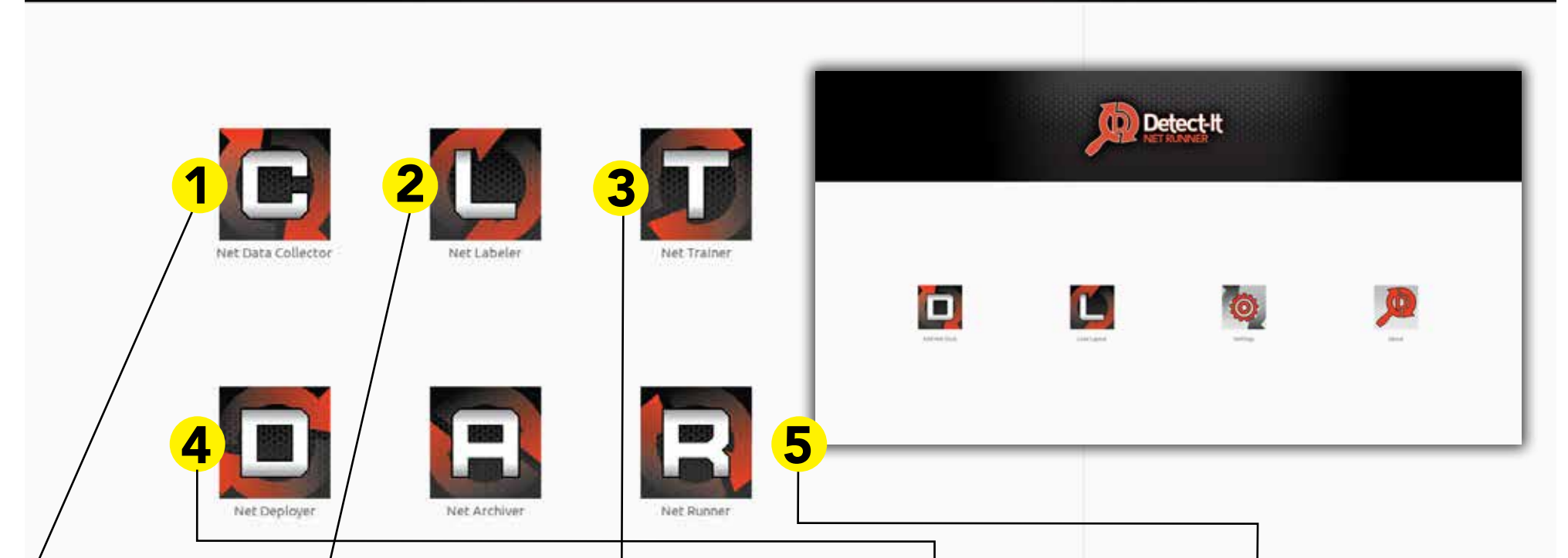
Take the Detect-It Challenge

Free proof of concept for any application

Need something detected? Have a customer challenge? Want to see Detect-It in action? Curious what Detect-It can do for you? Send us a video and we will show you Detect-It in action!

[Go to detect-it.ai](https://detect-it.ai) and click the **Challenge** button

MAKE AI WITH DETECT-IT IN 5 EASY STEPS WITH NO CODING:



Step 1: Get Data

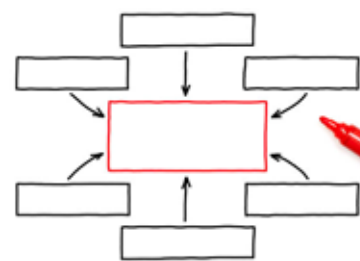
Net Data Collector



The first step in building a Detect-It Net is to collect Data. Collect Video data with **Net Data Collector** (not individual photos) to train and create Detect-It Nets. Due to the variations video data creates there is much richer data sets to train the net with.

Step 2: Label Data

Net Labeler



Using **Net Labeler**, you draw a box around the item you want detected. You then deploy one of 7 available trackers to auto label your data clips. Hundreds of frames can be labeled in minutes. New models can literally be created in hours.

Step 3: Train Net

Net Trainer



Net Trainer automatically configures the optimal training recipe based on the number of labels and frames in your project. Users can also use the advanced settings to customize the net. Net Trainer then generates a config file and then trains the net.

Step 4: Deploy Net

Net Deployer



Net Deployer sends Detect-It nets to edge devices and production environments. The intuitive interface allows efficient and expert deployment and management of Detect-It nets without the need for a coder or programming support.

Step 5: Run Net

Net Runner



Detect-It **Net Runner** is the runtime environment for Detect-It Nets in production on the plant floor. There are many options and features available to fully customize Net Runner to your application needs including PTZ, barcode reading and more.