

Defect Terminator



Revolutionize Your Quality Control Process

The Defect Terminator is a compact, AI-powered device designed to identify manufacturing defects in real-time. Whether you're optimizing production lines or improving quality assurance, the Defect Terminator ensures that every product meets your high standards. Our powerful hardware and advanced software work together seamlessly to boost efficiency and eliminate costly errors.

View Demo: <https://www.peakey.com/defect-terminator/>

Key Features

- **AI-Powered Defect Detection:** Equipped with an advanced AI model, the Defect Terminator continuously analyzes images to instantly detect defects, ensuring consistent quality control.
- **Plug-and-Play Integration:** Connects effortlessly to your existing manufacturing setup. Simply attach a USB camera, and the system is ready to inspect in minutes.
- **Real-Time Status Monitoring:** Keep track of production status with intuitive LEDs:
 - Power: Device is on
 - Ready: System is operational
 - Defect: Defect identified in product
 - Good: Product meets quality standards
- **Automation Ready:** Take control of your manufacturing process using power relays, signaling Andon lights, or your own custom integration. Automatically adjust machinery when defects are detected to ensure uninterrupted operations or bring production to a halt to prevent damage and waste.

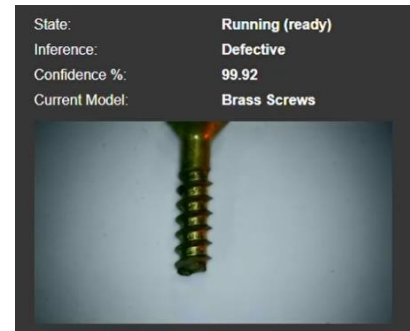
Hardware Specifications

- **Core Processor:** NVIDIA Jetson Nano – ideal for AI inference tasks, offering high-speed computing with minimal power consumption.
- **Connectivity:** Supports any standard USB camera for image acquisition.
- **Status LEDs:** Four LED indicators to provide real-time system feedback.
- **Relay Wiring:** Ready for relay control or integration with Andon signaling systems.
- **Form Factor:** Compact enclosure designed for easy installation.



Software Capabilities

Our proprietary software is the heart of the Defect Terminator, designed for real-time performance and seamless integration into any production workflow.

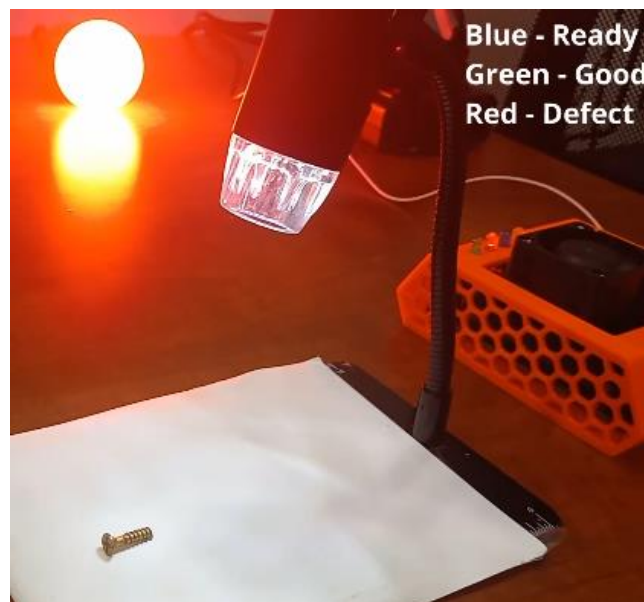


- **Continuous Image Acquisition:** Captures high-quality images from connected USB cameras, ensuring constant monitoring of products as they move through your production line.
- **Customizable AI Model:** We work with your team to gather relevant image data and will train a model for optimal performance on your specific use case.
- **Data-Driven Insights:** Automatically logs defect data, enabling comprehensive analysis and reporting to fine-tune production and prevent future issues.
- **Custom Integrations:** Seamlessly add Defect Terminator into your existing production configuration or allow us to implement a custom solution tailored to your needs.

Personalized AI Model Training and Support

When you purchase the Defect Terminator, you're not just getting hardware and software—you're also gaining access to our expert assistance:

- **Data Acquisition:** We help you collect the right data needed to train your AI model.
- **Model Development:** Our engineers work alongside your team to customize the defect detection model for your unique needs.
- **Custom Implementation:** We're able to provide further customization if you require beyond our standard relay control.
- **Ongoing Support:** We provide a defined level of post-purchase support, ensuring smooth integration and operation.



Applications

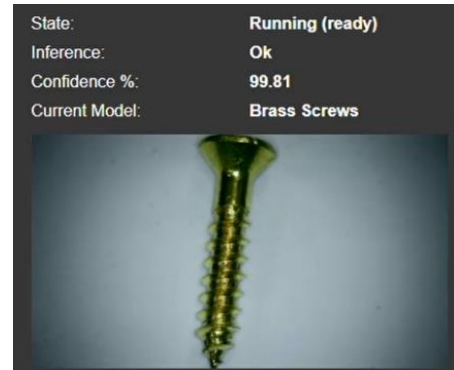
The Defect Terminator is perfect for a wide range of industries, including:

- **Automotive:** Ensure that parts, components, and assemblies meet stringent standards before they proceed through the supply chain.
- **Medical Devices & Equipment:** Ensure that critical medical devices are free from physical defects, including surface imperfections, assembly errors, or alignment issues.
- **Electronics:** Identify surface defects, misalignments, or assembly issues in real-time, preventing faulty products from moving to final assembly or shipping.
- **Consumer Goods:** Verify the quality, aesthetics, and integrity of consumer products, ensuring they meet brand and safety standards before reaching the market.
- **Manufacturing:** Whether inspecting components, assemblies, or finished goods, the system ensures that every product meets quality specifications before moving to the next stage of production or delivery.
- **Textile:** Detect flaws in fabrics, including tears, stains, or misweaving, ensuring consistency in material quality before further processing.
- **Packaging:** Inspect packaging for defects, such as misprints, seals, or structural integrity, to maintain product safety and brand presentation.

Pricing & Availability

Standard Package Includes:

- Defect Terminator
- AI Software for defect detection
- Installation guide
- Data acquisition and model training



Contact us for pricing based on your specific production requirements and volume.

Contact Us Today

Want to learn more or see how the Defect Terminator can fit into your production process? Contact our sales team today for a demo or consultation.

Website: www.peakey.com

Email: sales@peakey.com

Phone: +1 888 399 7539



www.peakey.com
114 E. Center St.
Warsaw, IN 46580
(888) 399-7539

This page is intentionally left blank.