

# APEX™ VISION-GUIDED LABELING SYSTEM

## Flexible Vision-Guided Labeling for Dynamic Logistics Applications

### Keep the Flexibility. Lose the Complexity.

Panther Apex delivers precise, vision-guided label placement without the cost and complexity of robotic systems. Built for dynamic logistics and fulfillment environments, Apex maintains accurate labeling on moving products without rigid alignment systems or automation constraints.

### Built for Variability. Engineered for Simplicity.

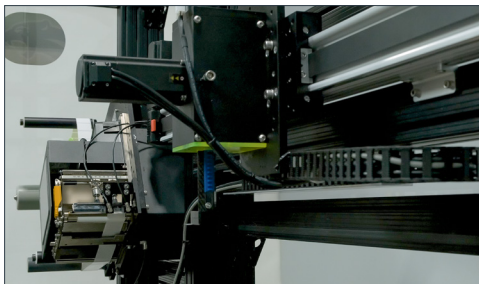
Apex is engineered to solve one of the biggest challenges in modern labeling automation—handling product position variability without overengineering the solution.

By combining vision-guided positioning with a simplified traversing tamp design, Apex delivers the flexibility of robotics in a platform that is easier to integrate, operate, and maintain.



## FEATURES AND BENEFITS

- Vision-Guided Label Placement**  
 Maintains precise, real-time label positioning on moving products using X, Y, Z coordinate input.
- No Product Justification Required**  
 Maintains accurate labeling without added alignment systems or precise product handling.
- All-Electric Traversing Tamp Applicator**  
 Delivers flexible label placement across dynamic workflows without robotic complexity.
- Agnostic Vision Integration**  
 Compatible with leading third-party vision and dimensioning systems for simplified deployment.
- Based On Proven Predator Platform**  
 Leverages familiar Panther architecture and shared components to simplify operation, maintenance, and training.
- Reduced System Complexity**  
 Purpose-built for labeling applications, avoiding unnecessary robotic complexity while maintaining operational flexibility.



High-speed servo-driven positioning maintains accurate label placement across changing product positions.



Reduces conveyor complexity while maintaining accurate labeling across inconsistent product flow.



Adaptive labeling technology automatically adapts to changing product heights to keep production moving without interruption.

## STANDARD PRODUCT SPECIFICATIONS

<b>Electrical</b>	115V AC @ 5amps 50/60Hz
<b>Print Engine</b>	4" and 6" - SATO / Zebra
<b>Label Size</b>	2" x 1" (Min) / 4" x 6" (Max)
<b>Application Type</b>	Top Apply
<b>Motion System</b>	Z-Axis (Applicator) + Y-Axis (Linear Rail) 2,200 RPM / 202 IPS
<b>Communication Protocols</b>	Modbus TCP, Ethernet/IP; OPC-UA (Development Required)
<b>PLC</b>	Beijer PLC
<b>HMI</b>	7" System Touchscreen

## STANDARD CONFIGURATION

FRONT VIEW

SIDE VIEW

