

LineMaster Falcon

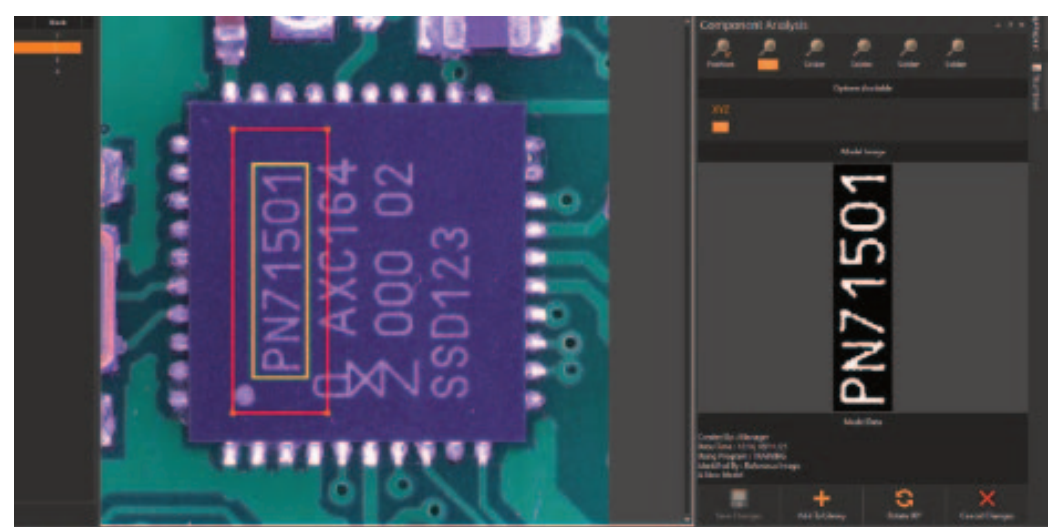
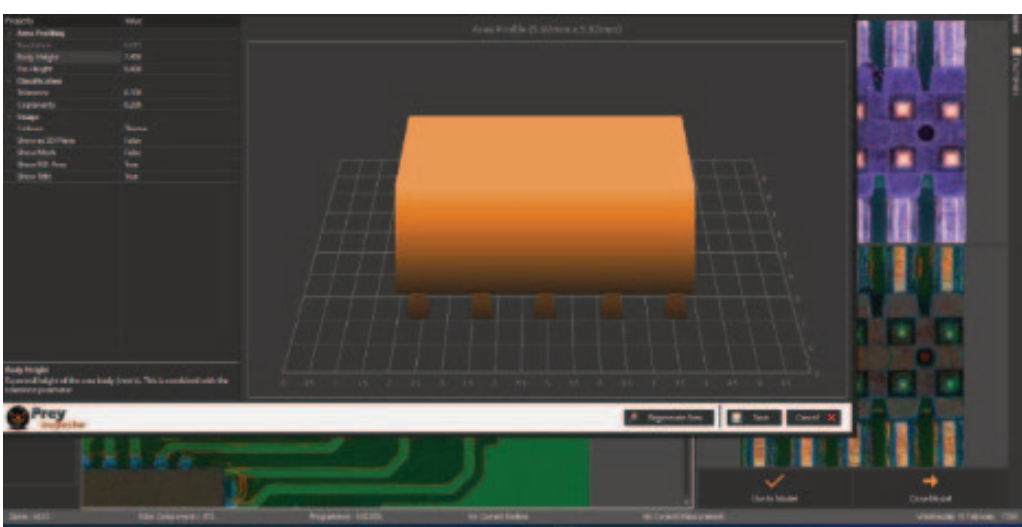
Inline AOI System



The LineMaster Falcon by Prey is ASC International's latest product offering for complete in-line AOI process control. With more than 30 years of supporting the electronics manufacturing sector with state of the art inspection solutions, the Falcon combines the most advanced sensor technology and intuitive programming software to create an unmatched performance and user experience.

The Falcon offers all the capabilities of machines more than twice the cost. Incorporating a 12MP camera coupled with a 7um or 10um X-Y telecentric lens, the system gives the ability to inspect components as small as 01005's. A robust yet flexible universal carrier system give the user the flexibility to quickly insert a PCB up to 1220mm x 610mm for the XL and 510mm x 510mm for Standard.

The Falcon includes full 1D and 2D bar code reading suite as standard to offer a fully traceable solution that can be combined with the user friendly defect review station suite. An Optional Laser for 3D height measurement of components and leads. The Falcon combines excellent mechanical stability with the latest Windows 11 and 64 bit software development to give one of the most truly unique inspection solutions found anywhere in today's global market.



ASC International, Inc.

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Technical Data: FALCON

Camera	Top 12M Pixels Camera
Camera Resolution	Standard : 15um, Optional 7um / 10um
Lighting	4 Colour Lighting Ring (RGBW) UV (Optional)
X / Y Movement	AC Servo Motor Ball Screw and Linear Rail
PC Configuration	i7 - P4 Intel Dual 2.5GHz, 6GB DDR3 Memory, 1TB HDD and CD-ROM
Power Supply	1P, 100-220V, 50/60Hz, 10A
Machine Dimensions	Length: 1013mm x Depth: 1,200mm x Height: 1,810mm
Machine Weight	795kg
Operating System	Windows 11 Pro OS
Programming	CAD File Loading, Manual Teaching
Statistic Data Function	SPC Software
Minimum PCB Size	50mm x 50mm
Maximum PCB Size	510mm x 510mm - Up to 1220mm x 610mm (Optional)
Maximum PCB Thickness	<6.0mm
Clearance	Top: 40mm Bottom: 40mm
Clamping Edge	>3.0mm
Component Inspection Tests	Missing, Reversed, Shift, Damaged, Skew, Tombstone
Solder Inspection Tests	No Solder, Insufficient/Extra Solder, Bridge
Smallest Component Inspection	Chip: 0201 (15um Lens), Chip: 01005 (7um / 10um Lens)
Barcode Reader	1D or 2D Barcode Reading Via Camera

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