

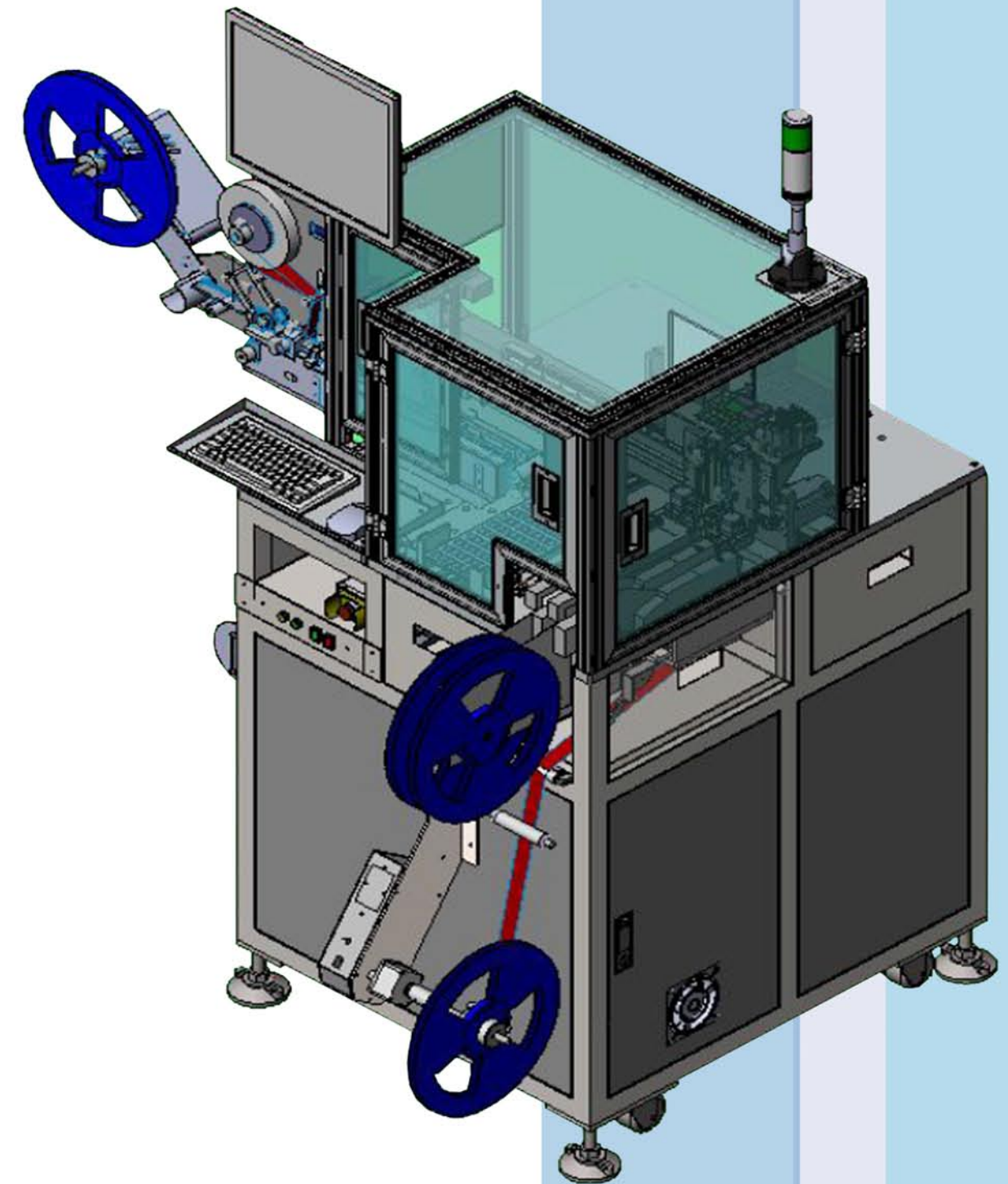
Specifications

UPH	3000	
Handler	Repeatability	X axis: +/- 0.02mm
		Z axis: +/-0.02mm
		Y axis: +/-0.03mm
	Pick and place	Vacuum nozzle x2
	Device dimension	2x3~20x20mm
	Device weight	30g, Productivity will be lowered for devices over 30g
	Tray in/out	10 trays
	Tape in/out	8~32mm, Self-Adhesive Option: Heat-Pressure
Tube in	Optional	
AOI	3D5S	Appendix 1
	Character & Mark Recognition	Mixed, Missing, Missing Characters, Orientation, Broken Character, Spacing, Double Mark, Contrast, Position Angle, Alignment, Extra Mark/Debris, Scratch
	PIN 1 Direction Inspection	Appendix 2
	Vision accuracy	10 micron on the resolution(Varies on different vision systems)
	Vision repeatability	+/- 5 micron.(Varies on different vision systems)
	UPH	36,000

APC-200

Automated Package Changer

Complies with SEMI S22 Safety Standard

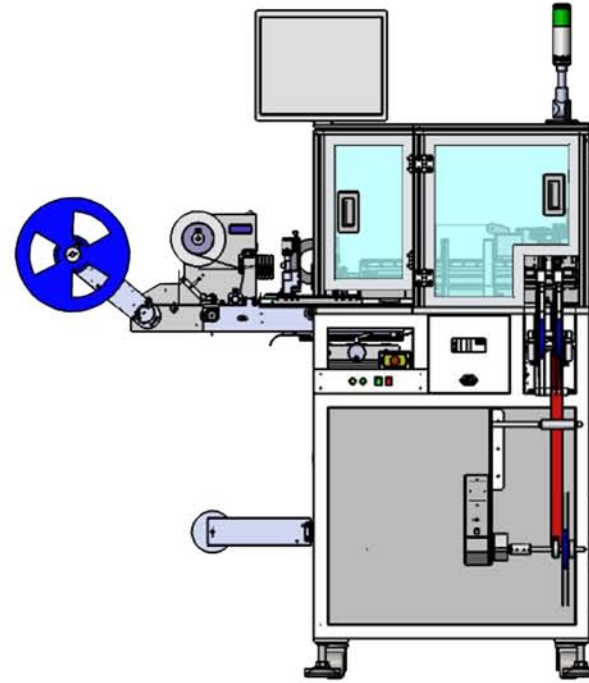


Leaptronix®

APC-200 Series

Introduction

APC-200 Series Automated Package Changer is specially designed for freely changing packing in Tray, Tape & Reel, or Tube, meeting JEDEC standard while offering various optional modules such as AOI, Laser Marking, Characteristics Measuring...etc. to serve as reliable and multi-functional automated equipment for semiconductor packing & testing, EMS, and all production services providers. It comes with multiple axes design for pick & place operation with flexibly adjustable pitches between axes, providing the maximum of productivity and speed for Tray, Reel&Tape, and Tube packing changing. APC-200 follows the success of LEAPTRONIX AH Series Automated Equipment electromechanical integration and uses industrial computer as the central controlling system to make the overall loading, unloading, pick & place and transporting operations fully automated with best stability and reliability.



Features

Auto Tray Transporter

Up to 10 JEDEC Trays to be stored at the loading and unloading areas.

The trays at the loading area will be automated separated and transported to the operation area in order and stored at the loading area after all the process is finished. There are sensors at both loading and unloading areas to inform the operator of immediate actions.

Robotic Arm

Closed-loop controlling is applied to the horizontal motion for highest speed and precision.

The 2 sets of linear motion axes with flexible spacing adjustment and rotation offer the best operation efficiency.

Specially designed nozzles with ESD protection provide the best durability and reliability without damaging the DUTs.

Suitable for 8~32mm Reels with self-adhesive tape.

Auto Tape and Reel Feeder

Freely adjustable and stable motor steps without vibration.

Optional Modules

- AOI: 3D5S
- AOI: Character Recognition System
- Laser Marking
- Measuring Equipment

APC-200 Series

Tray

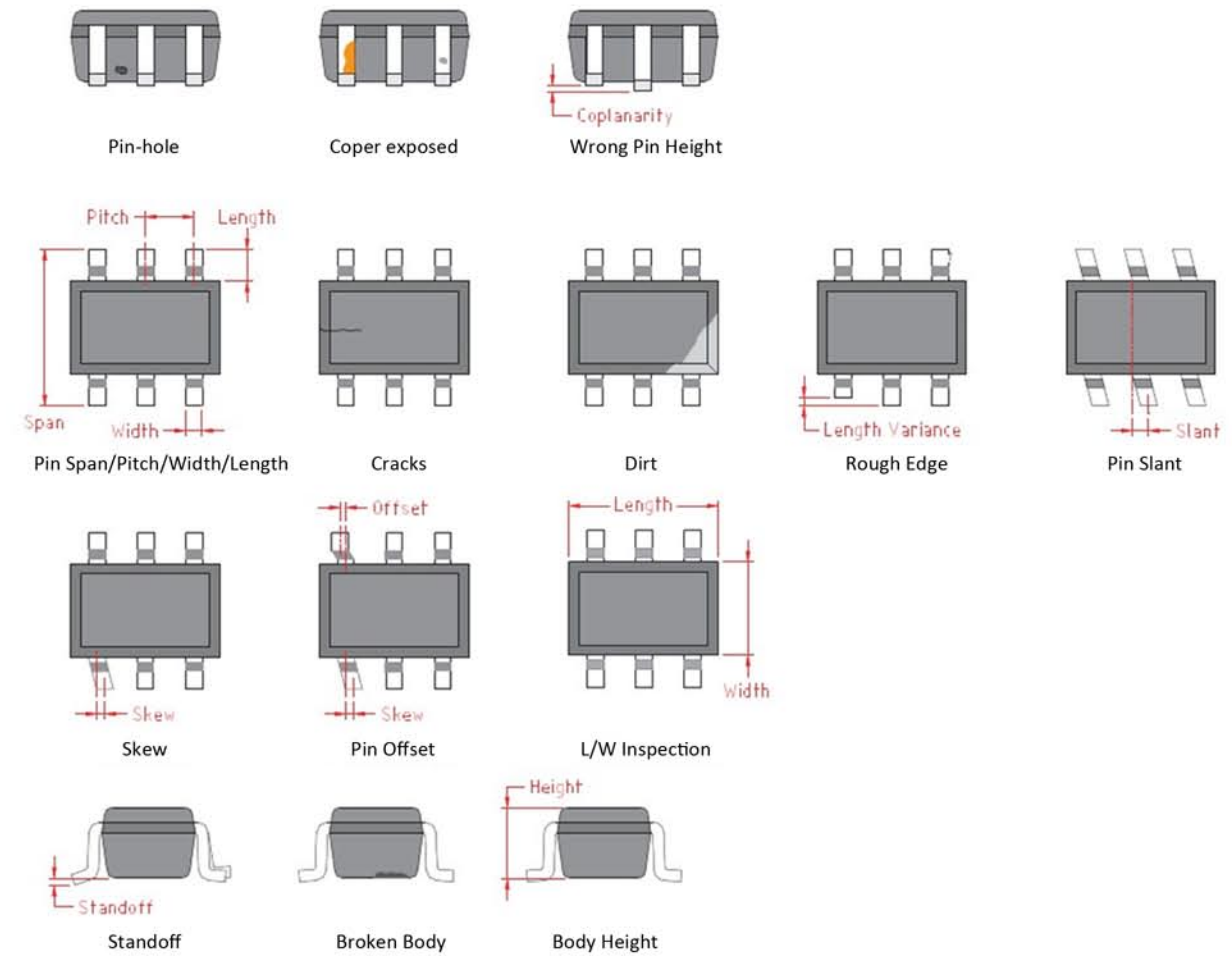
Reel

Tape

Tube

Automated Package Changer

Appendix 1: 3D5S



Appendix 2: Pin1 Orientation

