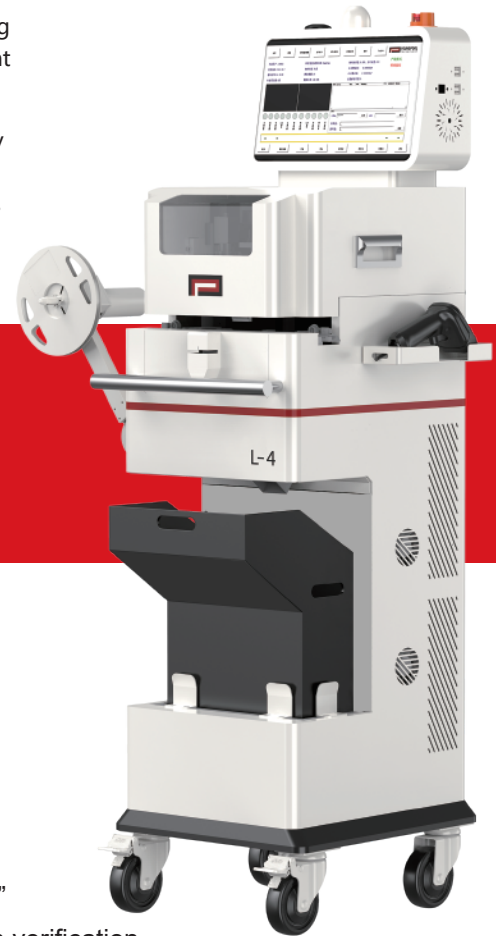


SMT AUTO SPLICING SYSTEM

All SMT processes has been evolving through the years except the component reel splicing process. The question of improving efficiency, higher quality splices, zero wrong component splices have not been fully addressed and often ignore.

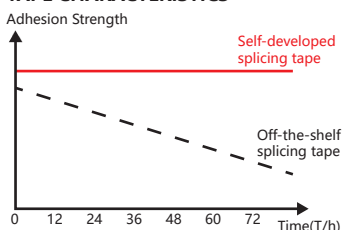
YoungPool Technology's highly acclaimed L-4 intelligent splicing machine can perfectly meet all the requirement! It does not just satisfy customers MES integration function, but also easy to operate with high accuracy, stability and reliable characteristics. L4 has extremely short splicing cycle time, excellent LCR verification and very high FPY that works had in hand with any brand placement machine feeders that make the L-4 undoubtedly a must-have intelligent tool for today's SMT electronics manufacturing industry.

L-4

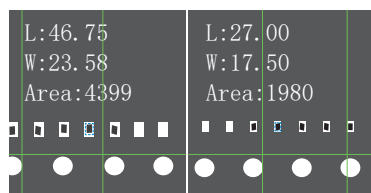


- Support 8mm component tape width
- Support component tape thickness from 0.25-1.25mm
- Support deep pocket up to 2.5mm
- Excellent FPY up to 98%
- Standard with intelligent vision system
- Optional LCR verification for Capacitors and Resistors
- Independent X/Y/Z axis design for LCR verification
- Auto adjust LCR measurement probe for components size from 01005"
- Auto empty pocket detection with pre-cut stations and component pitch verification
- Continuous operation for up to 12-16 hours once fully charged
- MES integration with connectivity via Wi-Fi or direct Network port

TAPE CHARACTERISTICS



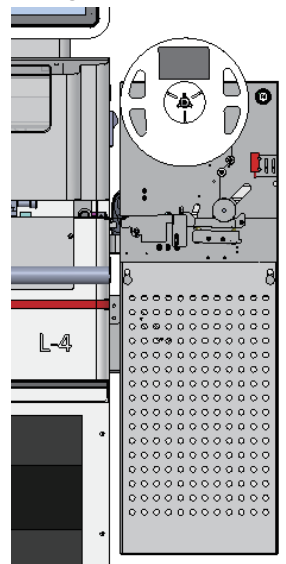
COMPONENT SIZE RECOGNITION



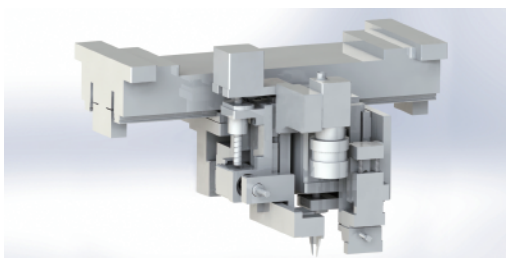
OCR



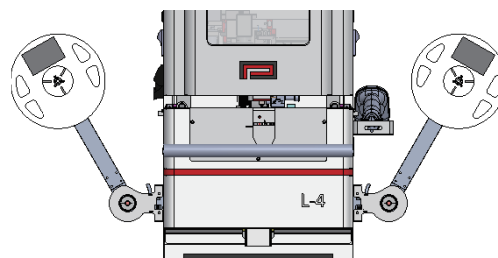
AUTOMATIC REEL REVERSAL ATTACHMENT



INDEPENDENT MOTION DESIGN: VISION SYSTEMS, LCR MEASURING DEVICE, SPLICING TAPE DEVICE.

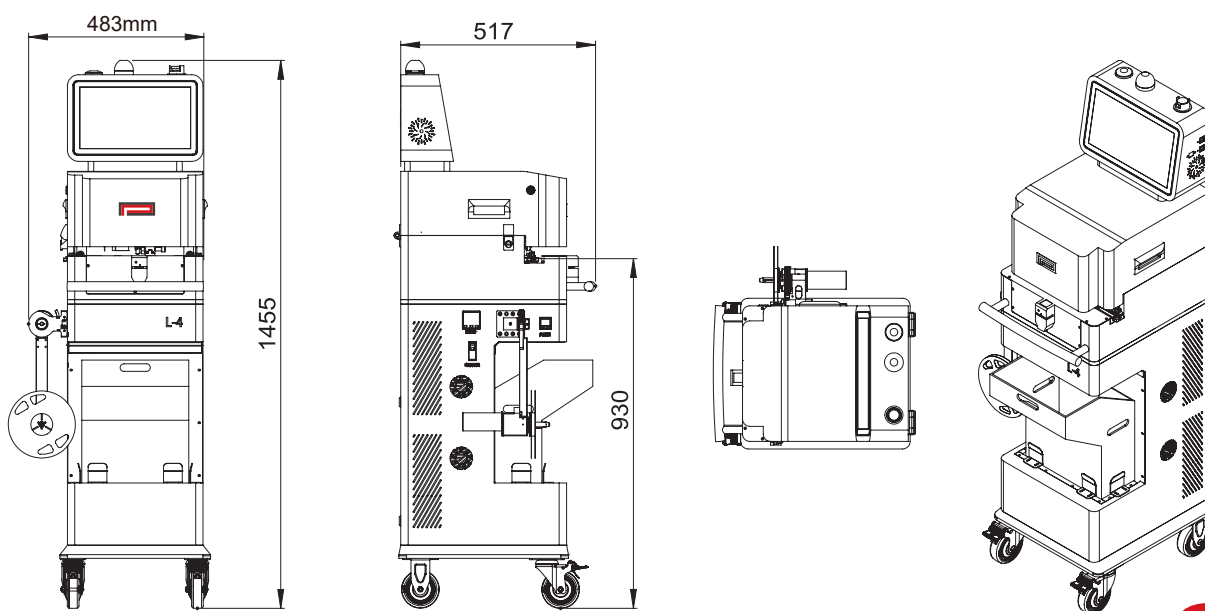


DUAL REWINDING ARMS



SPECIFICATIONS

Tape splicing system	X axis Repeatability (mm)	±0.01
	Y axis Repeatability (mm)	±0.02
	Positioning Accuracy of tape (mm)	±0.2
Information of component tape	Component tape width (mm)	8
	Component pitch (mm)	2/4
	Component pocket width max. (mm)	4.3
	Component tape thickness (mm)	Paper 0.25~1.25, Embossed tape 0.25~2.5
Conveyor system	Conveyor height (mm)	930±15
Rewinding device	rewinding arm	Standard one rewinding arm , optional Two rewinding arms
	Reel Size (mm)	Max.Ø380, Optional Ø500
	Max. load (kg)	Max.20
Decoded mode	Barcode camera attach on rewinding arm	Optional
Splicing Rate	Cycle Time (sec)	≤7S (not including LCR test time and manual feeding time)
Splicing capacity	Splicing FPY	98%
	Splicing gap (mm)	±0.1
	Component tape length min. (mm)	140
Software control	Automatic component pitch identification	Standard
	Component size comparison	Standard
	BOM import wizard	Standard
	OCR	Optional
LCR	Measurement accuracy	±0.05%
	Measurement range	L: 0μH-1000H, C: 0pF-20mF, R: 0Ω-20MΩ
	Measurement method	Two-sided measurement value
	Test pass rate	95% (01005 Component)
Electricity	Power supply mode	24V DC 80Ah Lithium battery
	Battery time (when fully charged) (h)	12-16
	Power (W)	Max.120
Facilities Requirements	Weight (Kg)	87
	Reference Dimension (mm)	483(W) × 517(L) × 1455(H)
Other configurations are optional	MES customization, Barcode printer, Fool-proofing function for rewinding arm, Bar code reading anti-Error function, Direct power supply, Wireless charging, Auxiliary material rod.	



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