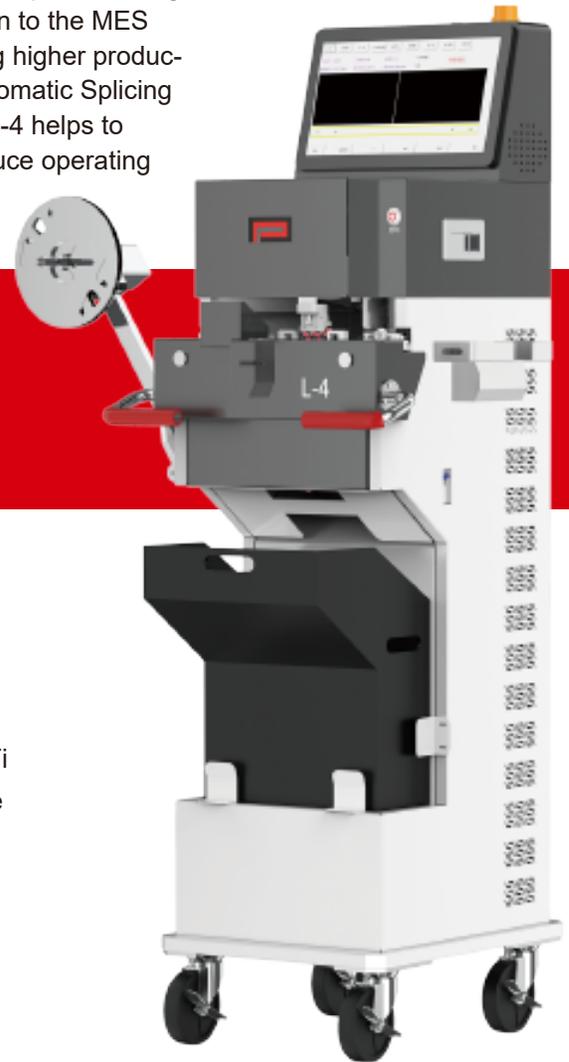


# SMT AUTO SPLICING SYSTEM

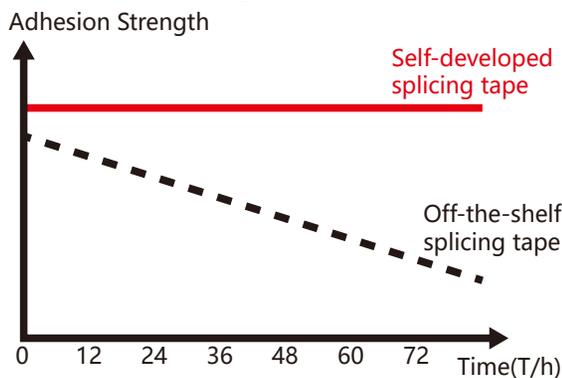
The automation of the SMT industry continues to evolve. Today the topic of managing operations systematically and integrating traceability information to the MES (Manufacturing Execution System) has become crucial in achieving higher productivity within today's SMT factories. Youngpool Technology's L-4 Automatic Splicing Machine has been developed as a solution to this challenge. The L-4 helps to improve outgoing quality, enhance management via MES, and reduce operating cost.

## L-4



- Dedicated 8mm carrier tape splicing (01005 capable)
- Carrier tape thickness 0.25–1.4mm (paper) and 0.25-2.5mm (embossed) applicable
- Battery can support 12-16 hours of continuous operation
- First Pass Yield at 98% or above
- Capable for MES integration, connectivity via Bluetooth and Wi-Fi
- Validation function available in both stand-alone and online mode
- Empty-pocket detection using vision inspection
- Measurement of resistance and capacitance value function
- Power-assisted wheels to facilitate movement
- Ergonomic design for ease of use

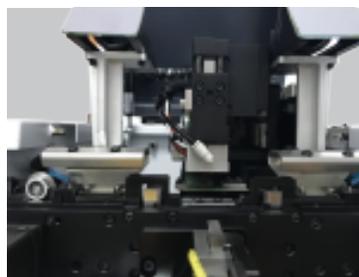
### Adhesion strength and durability



### Carrier Tape Vision Inspection System



### Proprietary bond head



### Rewinder with sensors



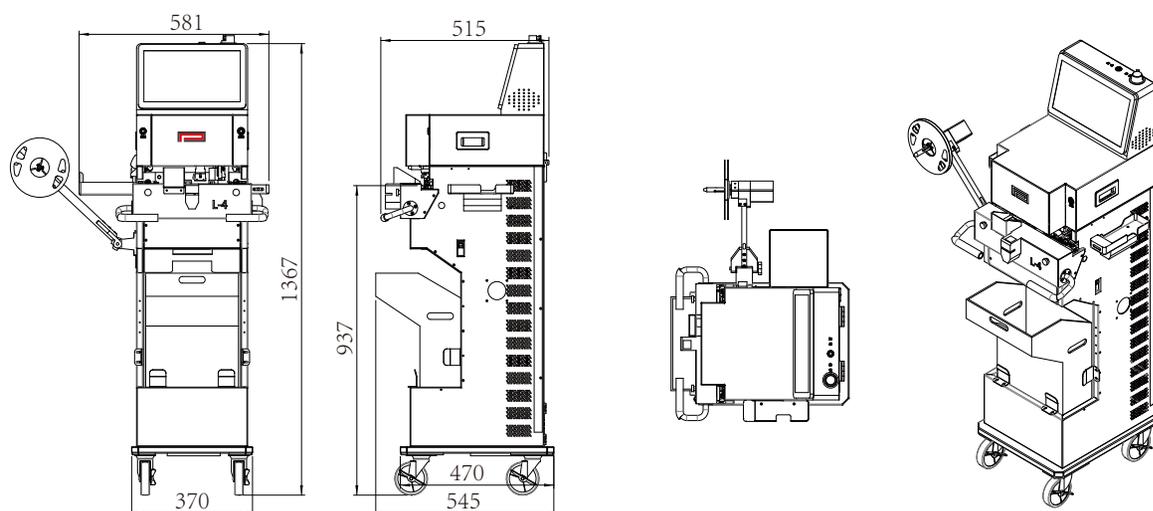
### Empty-pocket detection



# TECHNICAL SPECIFICATIONS

<b>Facilities Requirements</b>	Machine Dimension (mm)	520(W) × 515(L) × 1195(H)
	Weight (kg)	70
	Safety	Fully enclosed design with safety interlock switches
<b>Conveyor</b>	Component Height (mm)	955
<b>Power Supply</b>	Power Source	60Ah Battery
	Operation Time (when fully charged)	12-16h
	Charging Voltage	24V DC
	Power	100W
<b>Motion System</b>	Repeatability (mm)	0.1
	Positioning accuracy (mm)	±0.2
<b>Carrier Tape</b>	Automatic Width Adjustment(mm)	8
	Minimum Length for Splicing(mm)	140
<b>Component Reel</b>	Motorized Winder	Standard Configuration
	Reel Size (mm)	≤φ380 (please consult your sales agent for special requirements)
<b>Splicing Rate</b>	Cycle Time (sec)	≤7.2S (not including LCR test time and not including loading time )
<b>Software and Programming</b>	Control	Computer Control
	Operating System	Windows Interface
	Communication with MES	Customizable
	Available Information	Barcode Information, Battery Level, Alarms, Settings, Splicing Records
<b>Options and Accessories</b>	Carrier Tape Vision Inspection System	Available as Option
	Power-assisted Wheels	Available as Option
	AGV version	Available as Option (please consult your sales agent)
	Label Printer	Available as Option
	Barcode Scanner	Standard Configuration
	Automatic cutter for pre-cut	Standard Configuration
<b>Extension Port</b>	USB2.0	Standard Configuration
<b>LCR Detection Function</b>	Tape positioning capability	Automatic material size identification by camera, automatic test point located by motor and automatic test probe selection
	MES	After communication, material information of receiving requirements can be obtained directly from MES
	Measurement of components value	Automatic selection of C or R, automatic shift and frequency change function, automatic value determination
	Prevent wrong material alarm	If the test value exceeds the material description range, the software will give notification
	Component testing accuracy	±0.25%
	Minimum test value for a component	(C: 0.00Pf-20.00Mf) , (R: 0.0000Ω-10.0000MΩ)
	Testing speed	250ms maximum

## DIMENSIONS



Youngpool Technology Co.,Ltd

SZ Tel: +86 755 2782 3996 Fax: +86 755 2782 3995  
Add: 3F, Building 17, Cuigang District 3, Fuyong Huaide,  
Baoan District, Shenzhen

<http://www.ypoolsmt.com>

HK Tel: +852 2668 1868 Fax: +852 2668 1899  
Add: Room 803, Chevalier House, 45-51 Chatham  
Road South, Tsim Sha Tsui, Kowloon, Hong Kong

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