



3E EVOLUTION

## High-Speed Chip Shooter **KE-3010**

## High-Speed Flexible Mounter **KE-3020V**

### ■ Specification

Item	Model	High-Speed Chip Shooter KE-3010M/KE-3010L/KE-3010XL		High-Speed Flexible Mounter KE-3020VM/KE-3020VL/KE-3020VXL		
Board size	M size (410x360mm)		○		○	
	L size (410x360mm)		○		○	
	L-Wide size (510x360mm) <sup>※1</sup>		○		○	
	XL size (610x560mm)		○		○	
	Applicability to long PWB (L size) <sup>※2</sup>			800x360mm		
	Applicability to long PWB (L-Wide size) <sup>※2</sup>			1,010x360mm		
Component height	6mm		○		○	
	12mm		○		○	
	20mm		—		○	
	25mm (XL size)		—		○	
Component size	Laser recognition		01005 (0402 metric)~33.5mm		01005 (0402 metric)~33.5mm	
	Vision recognition	Standard camera	MNVC 3mm <sup>※3</sup> ~33.5mm		3mm~74mm or 50x150mm	
Placement speed	Chip	(Optimum)	23,500CPH		20,900CPH	
		(IPC9850)	18,500CPH		17,100CPH	
Placement accuracy	Laser recognition		±0.05mm (CPK ≥ 1)		±0.03mm(MNVC ±0.04mm)	
		Vision recognition		±0.04mm		±0.03mm(MNVC ±0.04mm)
Feeder inputs			Max. 160 8mm tape feeders (using dual lane electronic) <sup>※7</sup>			
Power supply			200 to 415 VAC, 3-phase			
Apparent power			2.2kVA			
Operating air pressure			0.5±0.05Mpa			
Air consumption			50L/min			
Machine dimensions (WxDxH) <sup>※9</sup>	M size		1,500x1,580x1,500mm			
	L size		1,500x1,690x1,500mm			
	L-Wide size		1,800x1,690x1,500mm			
	XL size		2,131x1,890x1,500mm			
Mass (approximately)	M size		1,850kg			
	L size		1,900kg			
	XL size		2,250kg			

- ※1 L-Wide size is optional.
- ※2 Applicability to long PWB is optional.
- ※3 When using MNVC. (option)
- ※4 KE-3010 : When using both high-resolution camera and MNVC. (option)  
KE-3020V : When using high-resolution camera. (option)
- ※5 Effective tact : The IC placement speed indicates an estimated value obtained when the machine places 36 QFP (100 pins or more) or BGA components (256 balls or more) on a M size board. (CPH=number of components placed for one hour)
- ※6 Estimated value when using MNVC and picking up components simultaneous with all nozzles.  
MNVC is option in the KE-3010.MNVC is standard in the KE-3020V.
- ※7 When using Electric double tape feeder EF08HD.
- ※8 Display is not included in height.
- ※9 Dimensions of machine described are for conveyor height 900mm.

### ■ Options

Recognition system	MNVC <sup>※1</sup> / Bad mark reader / High-resolution camera
Operation system	Rear-side operation unit
Inspection function	Coplanarity sensor / Component Verification System(CVS) / SOT detection check function
Conveyor	Automatic board width adjustment / Conveyor extension / L-Wide size / Applicability to long PWB
Electrical protection	Ground-fault interrupter
Others	FCS calibration jig / Feeder position indicator / Offset placement after solder screen-priming / Non-stop operation / Caster/Super foot / Connector bracket / Mini signal light tower / Ionaizer/ Pin reference / Placement force control / Solder lighting / Residual PWB quantity control
Software	IS NPI+ / IFS-X2
Component handling and feeders <sup>※2</sup>	Matrix Tray Sever TR-5 / Matrix Tray Changer TR-6 / High Speed Matrix Tray Sever TR-7D <sup>※3</sup> / Matrix Tray Holder / Dual Tray Server TR-1 / Tape feeder / Bulk feeder <sup>※4</sup> / Stick feeder / Feeder trolley / IC collection belt / Trash box / Tape cutter / feeder stocker / Fluxer unit / Tape reel mounting base

- ※1 MNVC is option in the KE-3010. MNVC is standard in the KE-3020V.
- ※2 Component supply units are different either by mechanical or electric feeder bank. Make sure correct component supply unit is selected.
- ※3 Please refer in the release time of the High Speed Matrix Tray Sever TR-7D.
- ※4 for mechanical bank only

※ Please refer to the product specifications for details.

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JUKI CORPORATION HEAD OFFICE

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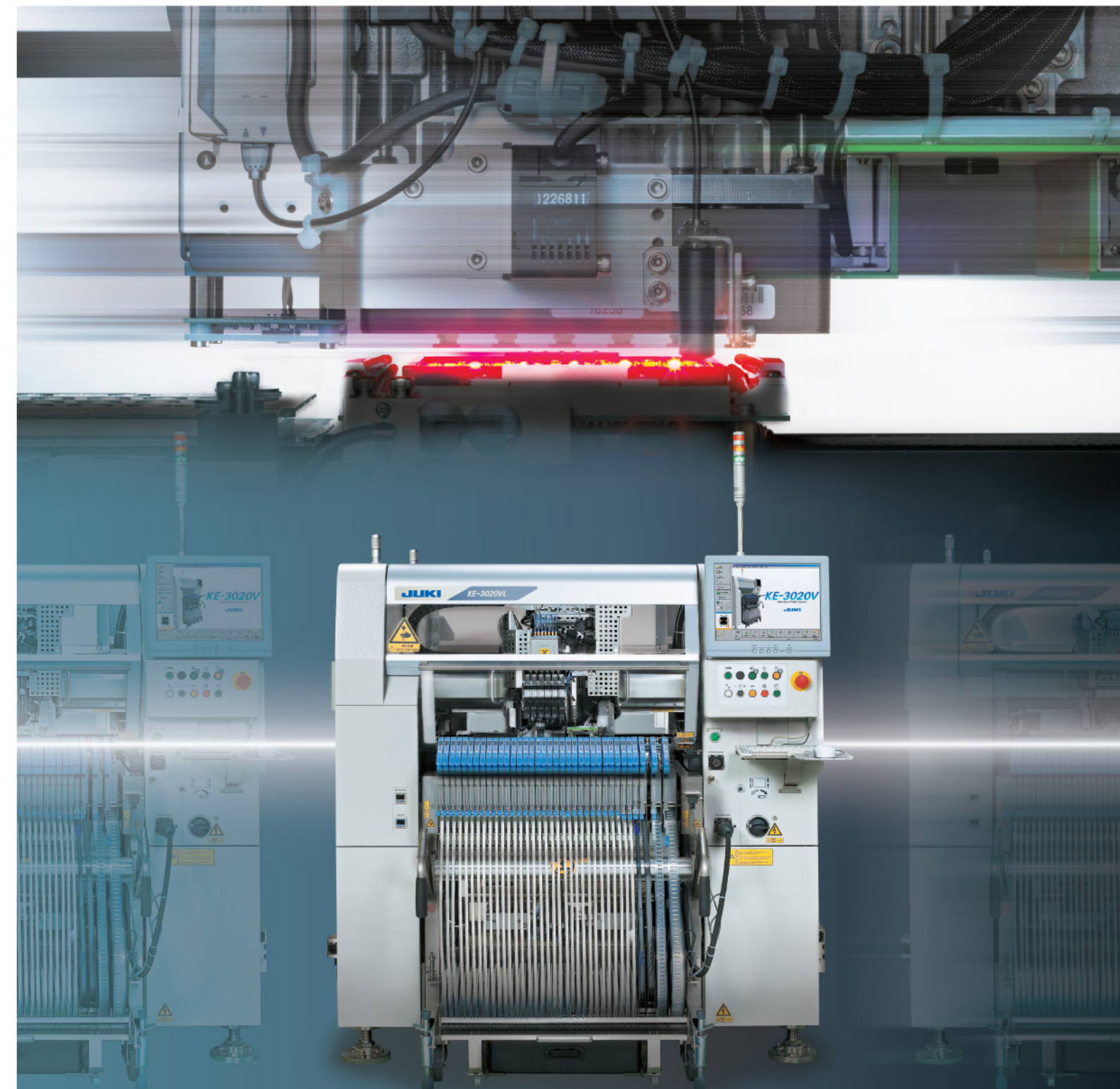
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- (2) Green procurement and green purchasing
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Feb-2012/0000



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