

Singulation System

Model FMS3040-HC



Half-cut machine suitable for wettable QFN packages

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Product information



English

- Enables high-precision blade cutting of lead-less device products such as QFN packages.
- Selectable blade cut (FMS3040-HC) or laser cut (LGR1040) depending on process and lead frame design.
- Improvement of half-cut depth accuracy using a warping correction pressing mechanism.



SPECIFICATION

Items		Unit	Description			
Model		—	FMS3040-HC			
Machine type		—	Half cut shared machine		Half cut dedicated machine	
Workpiece size	Length	mm	150—300			
	Width	mm	40—100			
	Thickness	mm	0.5—2.0			
Package size	Min.	mm	1×1			
	Max.	mm	25×25			
Warpage amount of substrate		—	3mm／300mm (Max.)			
Saw engines		—	Twin spindles, Twin tables			
External dimensions	Module	module	Cut Engine	Offload	Cut Engine	Offload
	Width	mm	1,960	1,500	1,960	740
	Depth	mm	1,760	1,760	1,760	1,760
	Height	mm	1,800	1,800	1,800	1,800
Weight		ton	5.1		3.2	
Onload	Type	—	Slit magazine			
	Pieces	pcs	4 (Max.) In case substrate width is 115mm			
Offload	Type	—	Original Box		Slit magazine	
	Pieces	pcs	1		4 (Max.) In case substrate width is 115mm	
Conversion time		min	10		5	
Package handling method		—	Vacuum			
Machine capacity		SPH	6			

- The figures shown above are based on standard machine specifications.
- The above specification are subject to change without prior notice.
- For special requirements, please consult your local TOWA representative.



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