

Singulation System

Model FMS3040



Ring offload type

Singulation system for cutting various packages

Singulation system for cutting various packages

Product information



English

- Wide variety of package offloading method.
- Applicable for 100×300 mm workpiece size.
- Capable of minimum cutting size of 1.0×1.0 mm.
- Achieved UPH 40,000 by high speed handling.



Bulk type



Tray type

SPECIFICATION

Items		Unit	Description					
Model		—	FMS3040					
Machine type		—	Bulk type		Tray type		Ring offload type	
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	Cut Engine	Offload
	Width	mm	1,960	325	1,960	1,500	1,960	2,290
	Depth	mm	1,760	720	1,760	1,760	1,760	1,760
	Height	mm	1,800	1,800	1,800	1,800	1,800	2,070
Weight		ton	3.1		4.9		5.4	
Onload	Type	—	Slit magazine					
	Pieces	pcs	4 (Max.) In case substrate width is 115mm					
Offload	Type	—	Bulk box		JEDEC Tray		12" ring magazine	
	Pieces	pcs	—		50 (Max.)		1—2	
Number of pick and place head		—	—		2units×7pcs or 2units×11pcs			
Conversion time		min	10					
Package handling method		—	Vacuum					
Machine capacity		UPH	40,000 (Max.)				30,000 (Max.)	

- 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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