

Singulation System

Model FMS4040



Singulation system to reduce manpower

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Product information



English

- Wide variety of package offloading methods.
- Automatic blade exchange and dressing operations reduces necessary time by 50% leading to increased productivity.
- Vision unit with auto-focus function improves inspection accuracy and work efficiency.
- Abundant options that contribute to high quality, stable production, and SDGs.



Tray type

SPECIFICATION

Items		Unit	Description					
Model		—	FMS4040					
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	1,935	720	1,935	1,760	1,935	1,760
	Height	mm	2,180	1,800	2,180	1,800	2,180	2,070
Weight		ton	3.8		5.8		6.3	
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×11pcs		2units×11pcs	
Conversion time		min	8		10		10	
Package handling method		—	Vacuum					
Machine capacity		UPH	40,000 (Max.)		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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