

Singulation System

Model LSG 1040



**High-speed package dicing system
using laser technology**

High-speed package dicing system using laser technology

- Laser dicer compatible with various shapes.
- Proposal of optimal cutting processes for each product.
- Achieving high-speed cutting and high productivity with twin lasers and twin tables.



SPECIFICATION

Items		Unit	Description						
Model		—	LSG1040						
Workpiece size	Length	mm	230—300						
	Width	mm	62—100						
	Thickness	mm	2 (Max.)						
Package size	Min.	mm	1×1						
	Max.	mm	40×40						
Warpage amount of substrate		—	2mm／300mm (Max.)						
Laser		—	2 Heads, Twin tables						
External dimensions	Module	module	Cut Engine	Offload	Vacuum pump	Dust collector for laser	Dust collector for package collector (×2)	Chiller	
	Width	mm	2,325	1,500	1,000	900	627	445	
	Depth	mm	1,935	1,760	900	850	588	400	
	Height	mm	2,195	2,015	1,873	1,835	1,459	610	
Weight		ton	5.7		0.8	0.34	0.14	0.04	
Onload	Type	—	Slit magazine						
	Pieces	pcs	4 (Max.) In case substrate width is 115mm						
Offload	Type	—	Bulk bin (round type)						
	Pieces	pcs	4 (Max.)						
Number of pick and place head		—	2units × 11pcs						
Conversion time		min	20						
Package handling method		—	Vacuum						
Machine capacity		UPH	170,000						

·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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