

Singulation System

Model FMS3040-FC



Singulation system for cutting substrates

Singulation system for cutting substrates

Product information



English

- Fully automatic from cutting to washing/drying and visual inspection.
- Supports cutting of flip chip substrates.
- Compatible with substrates up to Max. W242 × L322.5 × t2.5 mm in size.
- Achieving high-precision cutting with optimal jig dicers and handlers that meet customer needs.
- Visual inspection function equipped as standard.
Supports substrate thickness autofocus.



SPECIFICATION

Items		Unit	Description	
Model		—	FMS3040-FC	
Machine type		—	Tray type	
Workpiece size	Length	mm	267.2—322.5	
	Width	mm	150—242	
	Thickness	mm	0.6—2.5	
Package size	Min.	mm	12×12	
	Max.	mm	60×60	
Warpage amount of substrate		—	2mm/200mm (Max.)	
Saw engines		—	Twin spindles, Twin tables	
External dimensions	Module	module	Cut Engine	Offload
	Width	mm	2,255	1,625
	Depth	mm	1,760	1,760
	Height	mm	2,200	1,800
Weight		ton	5.4	
Onload	Type	—	Slit magazine	
	Pieces	pcs	2 (Max.) In case substrate width is 320mm	
Offload	Type	—	JEDEC Tray	
	Pieces	pcs	50 (Max.)	
Number of pick and place head		—	2units×7pcs (Option: 2units×11pcs)	
Conversion time		min	15	
Package handling method		—	Vacuum	
Machine capacity		UPH	730	

- 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.



Headquarters

5 Kamichoshi-cho, Kamitoba, Minami-ku, Kyoto-shi,
Kyoto 601-8105 Japan

Contact Us



TOWA (our company's house mark),  are trademarks or registered trademarks of TOWA Corporation.

Overseas Sales Contacts

China

TOWA (Shanghai) Co., Ltd.

Taiwan

TOWA Taiwan Co., Ltd.

Korea

TOWA Korea Co., Ltd.

Singapore

TOWA Asia-Pacific Pte. Ltd.

Malaysia

TOWA Malaysia Sales &
Services Sdn. Bhd.

Thailand

TOWA THAI COMPANY LIMITED

Philippines

TOWA Semiconductor Equipment
Philippines Corp.

India

TOWA SEMICONDUCTOR INDIA
PRIVATE LIMITED

Germany

TOWA Europe GmbH

Netherlands

TOWA Europe B.V.

the United States

TOWA USA Corporation

20250401-004-HQ