

Model ID

APX300 (Dicer Module)

Model No. NM-EFE4AA-D

Plasma Dicer

- Damageless Dicing of whole wafer's surface at one time to realize high chip strength.
- Panasonic original process enables various kinds of wafer dicing.
- Single or multi chamber system can be deployed ^(note 1) according to your production volume.

Model ID	APX300 ^(note 2)
Model No.	NM-EFE4AA-D
Plasma source	ICP Plasma
Process gas	4 Line (standard) (Maximum 6 lines : Fluoride Gas, Ar, O ₂ , He, etc.)
Wafer size *1	φ 200 mm (standard), or φ 300 mm (with ring frame)
Dimensions *2	W 1 350 × D 2 230 × H 2 000 mm (Single chamber system (Optional transfer unit attachment type) *3)
Mass	2 330 kg (differs depending on machine configuration)
Power source *4	3-phase AC 200 / 208 / 220 / 230 / 240 ±10 V、50 / 60 Hz、21.0 kVA
Pneumatic source	0.5 MPa ~ 0.7 MPa, 250 L/min (A.N.R.)
N ₂ Source	0.1 MPa ~ 0.2 MPa, 50 L/min (A.N.R.)

*1 : For other wafer sizes, please contact us.

*2 : Protrusions, such as touch panel, operation panel, signal tower and piping, are not included. Peripheral devices, such as dry pump and chiller, are not included.

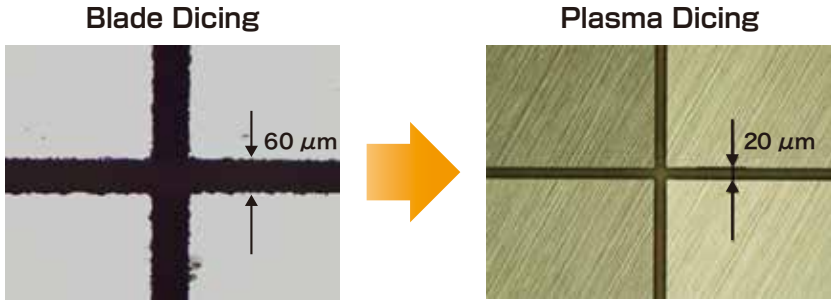
*3 : The transfer unit (optional) is of the vacuum load lock supply type using dedicated cassettes.

*4 : 2-line 3-phase power source, and this shows the total. Peripheral devices, such as dry pump and chiller, are not included.

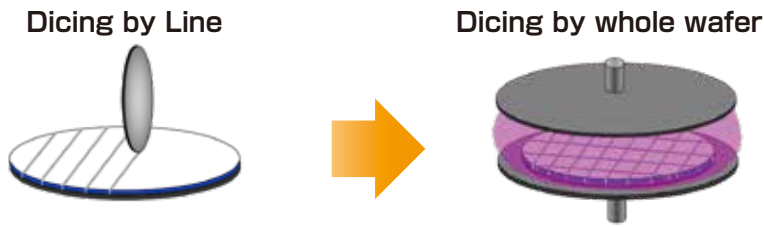
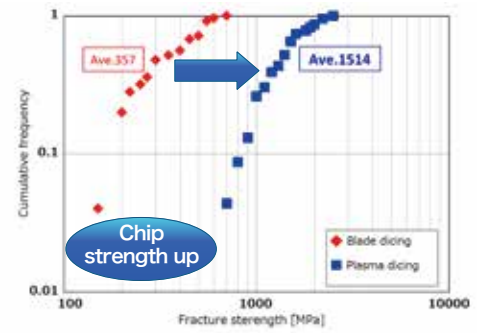
(note1): Specific Conveyor and wafer transfer module are required. Please contact us.

(note2): Please refer to specification for detail.

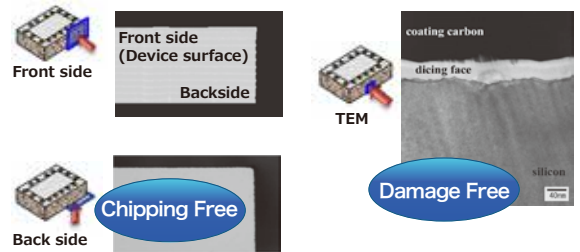
More chips and high speed Dicing | **Chip strength improvement**



Minimized dicing line width

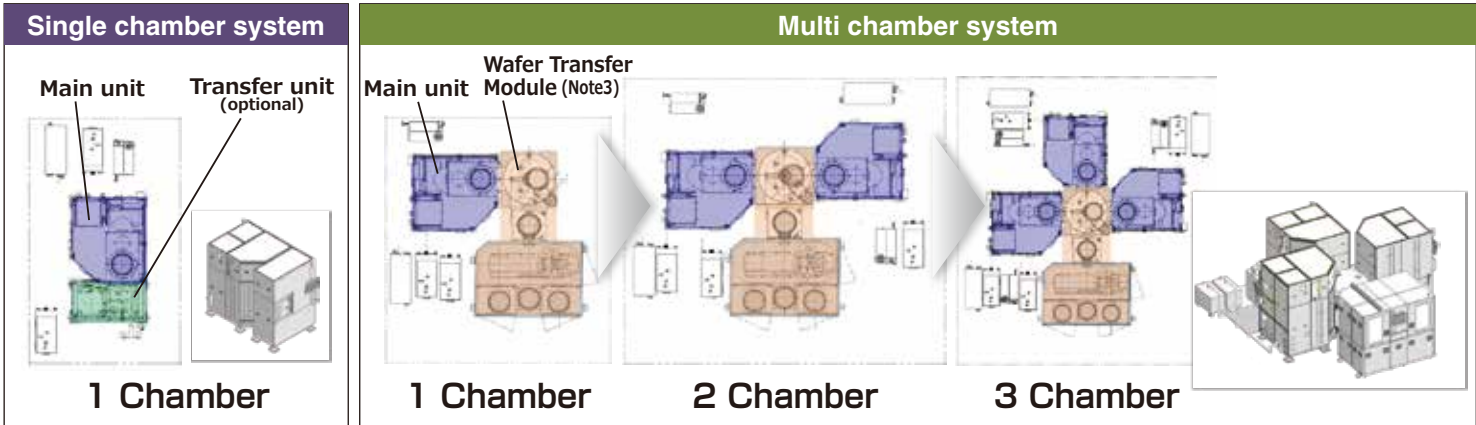


Dicing of entire wafer at once



Damage Free Dicing

Flexibly adapting to your production scale
- Single or multi chamber system is deployable -



(Note3) Attachment of Panasonic-specified transfer device is required. Contact your local sales representative.

⚠ Safety Cautions

- Please read the User's Manual carefully to familiarize yourself with safe and effective usage procedures.
- To ensure safety when using this equipment, all work should be performed according to that as stated in the supplied Operating Instructions. Read your operating instruction manual thoroughly.

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Please check the homepage for the details.
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