Panasonic BUSINESS









- Surface cleaning and modification of wafers and substrates improve bondability of metal and adhesion of resin.
- Increasing process number of wafers and substrates in the same time by enlarging vacuum chamber capacity improves productivity.
- Panasonic original plasma monitoring system suppresses abnormal discharge and newly introduced traceability function ensures process quality
- Flexible machine concept adapts versatile production model and supports process operation.
- Capability of Ф300mm wafer (with/without : dicing ring) contributes to wafer level package manufacturing.





*There are cases the options and customer's specifications don't apply for machinery directive and EMC directive

Model ID	PSX307A		
Model No.	NM-EFP3A		
Cleaning Method	Parallel plate RF back-sputtering method		
Gas for Electrical Discharge 1	Ar [Option: O2, O2 + He]		
Power source	1-phase AC 200 / 208 / 220 / 230 / 240 ± 10 V, 50 / 60 Hz , 6.00 kVA		
Pneumatic source	0.49 MPa、50 L/min [A.N.R]		
Dimension *2	W 900 mm× D 1 150 mm × H 1 650 mm		
Mass *3	630 kg		
Specification (Target work) *4	Substrate	Wafer with dicing ring	Wafer without dicing ring
Work Size *5	L 50 mm × W 30 mm °6 ~ L 350 mm × W 350 mm	Ф 300mm *7	Ф300mm

*Please refer to the specifications on details

*Pre-confirmation by customer's works is required.

- *1: If the optional oxygen gas is selected as electric discharge gas, nitrogen gas is also required to dilute exhaust

 *2: Excluding touch panel, emergency stop switch and signal tower.

 *3: In case of full option

 *4: Please select a specification among three

 *5: Please consult us about the substrate thickness

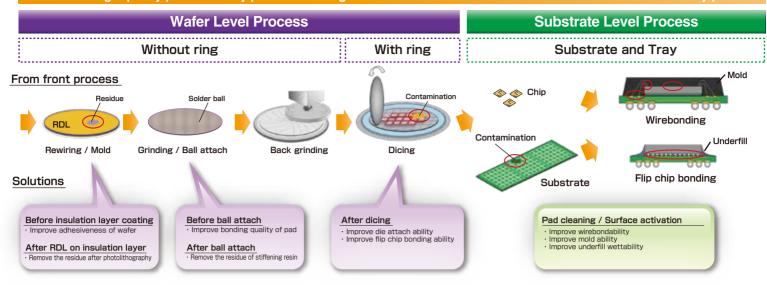
 *6: Please contact us for the substrate with depth < 30mm

 *7: outer diameter of ring: □380mm



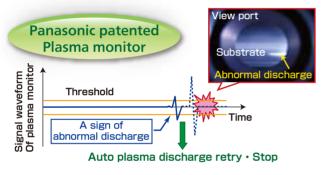


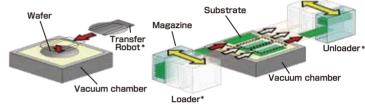
Achieve high quality production by plasma cleaning and modification from wafer level to substrate level assembly process



High quality management with plasma monitor

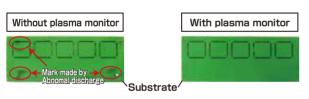
Flexibility for various type of production

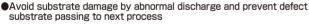




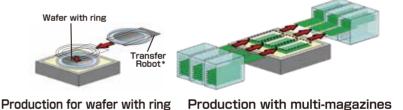
Production for wafer without ring

Production with single magazine





●Record the log data of monitor for each substrates (Option)



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.

Panasonic Group products are built with the environment in mind.

Please check the homepage for the details. panasonic.com/global/corporate/sustainability

Inquiries...

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Ver.January 1, 2020

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^{*} Transfer robot, loader/unloader are prepared by customer.

Changes in specifications and appearance may be made without notice for product improvement.