



# Gas Plasma Etcher

Yamato

"Plasma Reactor"

Model **PR500**

Method

Barred type of DP

DP : direct plasma

High-frequency Output

0~500W

Oscillating Frequency

13.56MHz

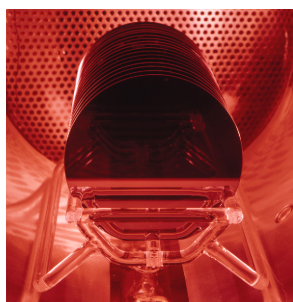
Reaction Chamber

φ 215 × 305mm

The PR500 is a gas plasma device that is used widely for such applications as production of semiconductors and analysis work.

It boasts outstanding operability and safety, with an automatic tuning system as a standard component and other features.

- It has a compact design, with a small-size HF generator and an oscillation section integrated with a portion of the chamber.
- With the 215mm diameter large caliber chamber, the unit can process big testing samples.



- The gas plasma equipment has a wide range of applications from ashing, etching, dry cleaning, etc.



## ● Control Panel



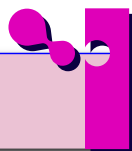
- FORWARD/REFLECT indicate by digital



## ● Reaction Chamber



- With the 215mm diameter large caliber chamber

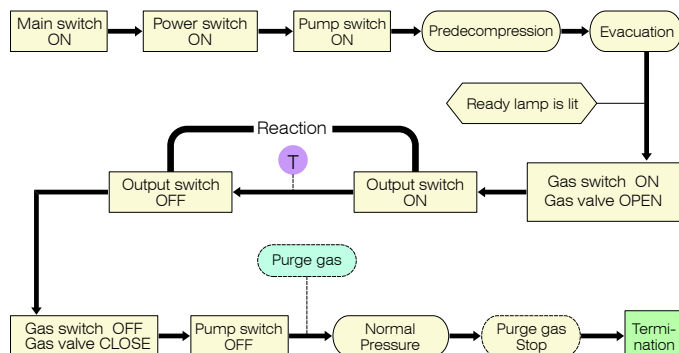


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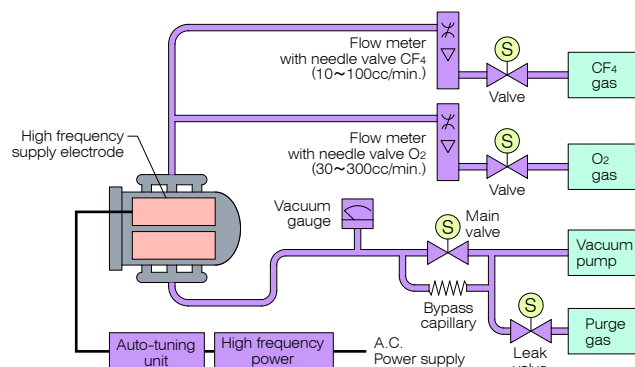
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## Operation Flowchart



## Piping System Diagram



: Optional Accessories

## Specifications

<b>Model</b>	<b>PR500</b>		
<b>Method</b>	Barred type of direct plasma		
<b>Control part</b>			
High frequency output	500W		
Oscillating frequency	13.56 MHz		
Output impedance	50 Ω		
Tuning method	Automatic tuning		
<b>Instrument</b>	Output watt meter (0~600W) Reflected wave watt meter (0~300W) Vacuum gauge, thermocouple type Flow meter, needle valve integrated type, 2 sets		
Timer	0.1sec.~999h		
Gas inlet	1/4" stainless steel, 2 inlet		
Power source (50/60Hz)	AC 100/230V, single phase, 2 kVA		
<b>Reaction part</b>			
Reaction chamber	Made of quartz, φ215 × 305mm		
Electrode structure	Condenser type, 4-way split		
Control system	Auto pressure reduction, auto leak valve		
Piping material	SUS, Teflon		
External dimensions(W × D × Hmm)	438 × 520 × 760		
Weight	Approx. 55kg		
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>● Connection cable 1 complete set</li> <li>● Vacuum grease 1 pc.</li> <li>● O-ring for reaction chamber 1 pc.</li> </ul>		
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>● Frame for wafers, 2, 3, 4, 5 inches</li> <li>● Stand</li> <li>● Multipurpose angled frame</li> <li>● Aluminum etching tunnel</li> </ul>		