

NE-MW70

70L (2.45GHz) LOW-PRESSURE PLASMA TREATMENT SYSTEM



NE-MW70 PROFILE

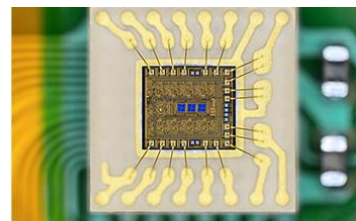
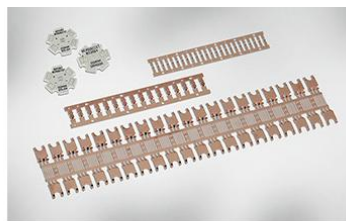
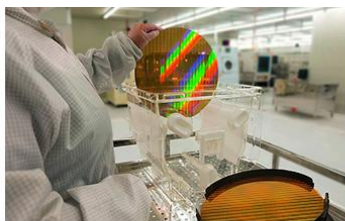
NE-MW70 is a large industrial vacuum microwave plasma processing system. Excited by 2.45 GHz microwaves, it generates plasma without electrodes, with low self-bias and minimal ion impact, ideal for sensitive device cleaning. It offers high-efficiency, non-destructive surface cleaning, activation, modification, deoxidation, and photoresist stripping.

Features:

- ◆ High - frequency plasma for high cleaning efficiency.
- ◆ Electrodeless design avoids contamination, maximizes space use.
- ◆ Uniform, large - area, non - magnetic plasma.
- ◆ Safe for CMOS, MEMS, suitable for sensitive circuits.
- ◆ Rotating platform ensures stable, uniform processing.

Applications:

- ◆ Semiconductor chip substrate cleaning and pre - packaging treatment.
- ◆ Wafer film removal, de - bonding, activation.
- ◆ MEMS sacrificial layer removal.
- ◆ Material surface cleaning, activation, and modification.



Shenzhen Naen Tech Co., Ltd

Website: www.cnplasma.com

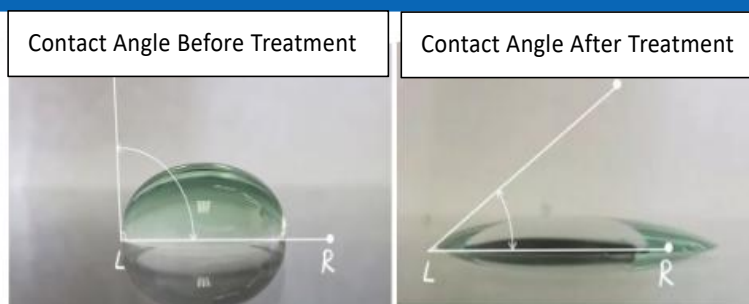
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NE-MW70 SPECIFICATIONS

	STANDARD MODEL	OPTIONAL
Overall dimensions		
Size	1240(W)×1200(D) ×1800(H) mm	
Weight	350KG(Including vacuum pump)	
Plasma generator		
Power	1000W(Adjustable)	
Frequency	2.45GHz	
Vacuum chamber		
Cavity material	Aviation-grade aluminum alloy	
Cavity size	390(W)*470(D)*400(H)mm; 73L	
Loading platform	Φ330mm	
Gas Control		
Gas flow controller	MFC	
Flow value	0-500 SCCM	Specified by customer
Gas channel	2 channels(supports various process gases, such as oxygen, argon, hydrogen, nitrogen, etc.)	3 & 4 & 5 & 6 channels
Vacuum measurement		
Vacuometer	Pirani ; $5 \times 10^{-2} \sim 1.0 \times 10^{-5}$ Pa	
Pumping system		
Pumping speed	Oil pump	Dry pump
Limiting vacuum	1PA	
Operating vacuum degree	10-50Pa	
Control system		
Touch screen	10"	
PLC	Siemens	
Software	Plasma control system with independent patent: 3 - level permissions, auto/manual modes, recipe param setup/storage/call, alarm history query, IO monitoring.	
Real-time monitoring	Power, vacuum degree, air pressure, gas flow rate, working hours, etc.	
Alarm function	Vacuum anti-misoperation, power anti-misoperation, air pressure alarm, phase sequence alarm	
Condition		
Power Supply	AC380V,50/60Hz (Three-phase five little system,100A)	Specified by customer
Type of air pipe	Φ6 mm	
Gas purity	99.999%	
Air pressure	0.4-0.6Mpa	
Exhaust port	KF40	

TYPICAL PROCESS RESULTS



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ABOUT NAEN TECH

Naen Tech are an international leader in the design, development and manufacture of plasma surface treatment systems & advanced plasma processes.

Our products are installed worldwide and trusted to deliver consistent, reliable results in both leading research institutes and in critical manufacturing steps.

We are experts in plasma technology and surface science. We are trusted partners, valued for our courtesy, professionalism and dedication to delivering the correct solution for our clients.

OUR SERVICES

❖ **Contract plasma treatment**

We have more than 10,000 customer cases around the world, and we are equipped with technicians who can meet the plasma needs of various industries, and will provide a quick, no-nonsense feasibility solution for the surface treatment needs of different segments!

❖ **Surface testing laboratory**

With a comprehensive suite of surface analysis equipment, we are able to conduct a wide range of surface property tests, both before and after plasma treatment, in order to provide you a professional report with the whole pictures and videos.

❖ **After sales support**

The equipment is guaranteed for one year free of charge and provides lifetime technical services.

If the equipment fails (non-human damage), we will arrange after-sales personnel to follow up within 24 hours until the fault is eliminated.

❖ **Rental plasma systems**

We carry a wide range of our standard equipment in stock and available for short or long term hire. This is particularly useful for in-house proof of concept trials or to satisfy short term contract work.

❖ **Method development**

We have invested significantly in laboratory facilities to assess, test and investigate all aspects of plasma surface modification on a wide range of materials. Coupled with extensive in-house and real-world knowledge, we can usually deliver a tailored treatment quickly and efficiently to suit your individual product or production needs.



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