



ACS Material Equipment Series

Low-temperature Plasma Experimental Power Supply

(CTP-2000K)

- 1 – Product Features
- 2 – Product Specifications
- 3 – Applications
- 4 – Application Examples

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Photo of Low-temperature Plasma Experimental Power Supply

Product Features

- Used for arc discharge, dielectric barrier discharge and glow discharge tests in various atmospheres (Air, oxygen, nitrogen and other inert gases)
- Suitable for use under varying pressure
- Generate various Dielectric Barrier Discharge (DBD) devices to produce long-term and stable streamer discharge or glow discharge
- Includes interfaces for input power measurement, high-voltage output voltage and current detection
- Generate various gas reactors, gas-liquid reactors or gas-solid reactors

Product Specifications

Product Name	Low-temperature Plasma Experimental Power Supply- Base Model
Model	CTP-2000K
Output voltage (KV)	0~30
Center frequency (fo) (KHz)	1~100 (Selectable)
Frequency (KHz)	30% fo~100% fo (Adjustable)
Power (W)	500
Unit Dimensions W × D × H (mm)	250×250×360 (H)
Weight (kg)	8

Applications

1. Surface modification treatment of organic and inorganic materials
 - Enhance compatibility of different polymer surfaces
 - Enhance suitability of biological surfaces
 - Clad nanomaterials
2. Preparation of organic or inorganic nanoparticles
3. Cleaning and sterilization

Application Examples:

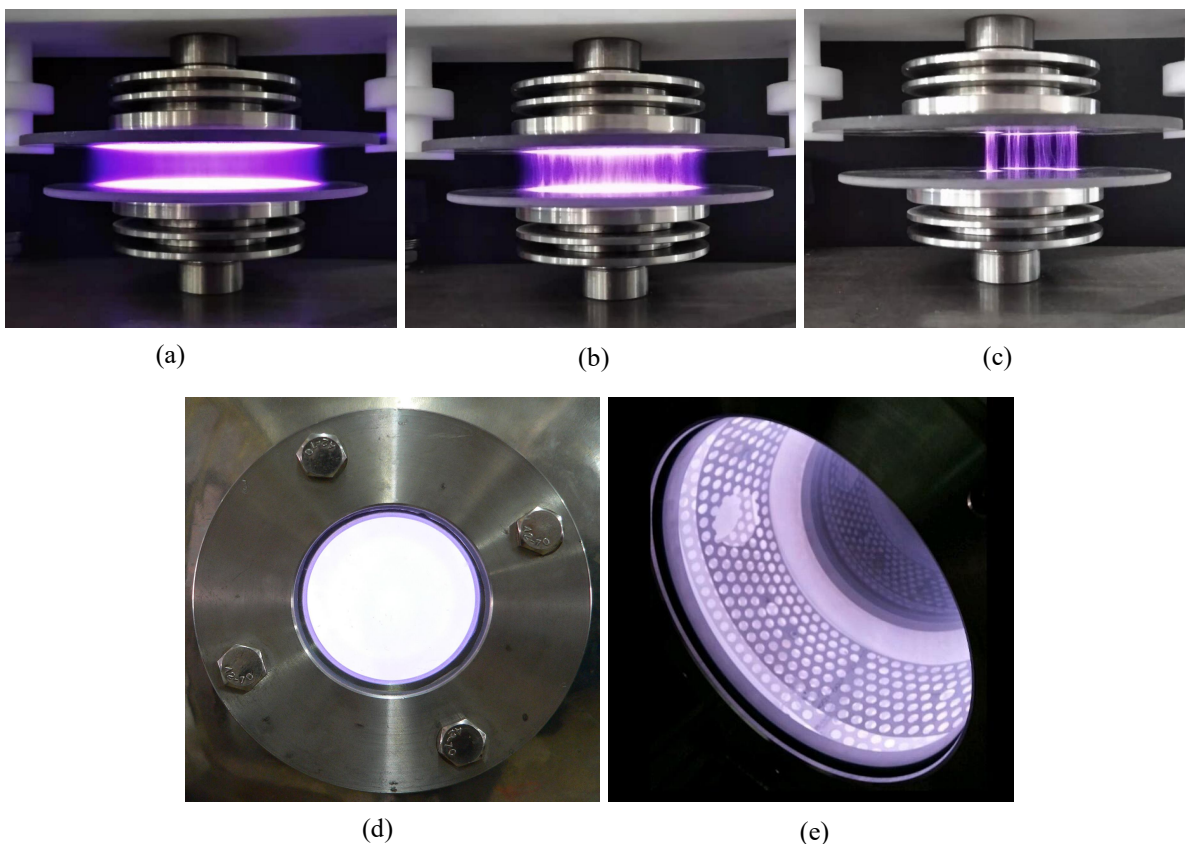


Photo of Plasma Discharge

- (a) DBD Strong Discharge (b) DBD Medium Intensity Discharge (c) DBD Weak Discharge
(d) Vacuum Argon Discharge (e) Vacuum Air Discharge

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