



Plasma Nano Colloid Maker (PNC)



Plasma Nano Colloid maker (PNC) is utilized to produce a wide range of metallic Nano-Colloids through under water wire explosion process. Average particle size of nanoparticles produced by this method is less than 100 nm. In this method, the parameters such as concentration of nano particles in liquid, type of surface treatment and additives can be controlled.

Features:

- A wide range of liquid media including water, alcohol, glycerin and etc. can be applied
- Excellent dispersion of metallic nano particles
- Ability of production on a laboratory scale with different concentrations
- Environmentally friendly
- High productivity

Capability

The production of a wide range of nano colloids with different concentration in various media.

Specification

		PNC 1k	PNC 1k- Touch
Model		PNC 1k	PNC 1k- Touch
Output voltage		300-500 V	300-500 V
Input power		1P 220 VAC 500 W	1P 220 VAC 500 W
Shot period		1-5 s	1-5 s
Wire	Max. diameter	0.25 mm	0.25 mm
	Exploding length	1-5 mm	1-5 mm
Output wire		Any conductive metal	Any conductive metal
Particle size, Average		80 nm	80 nm
Control system		PLC	PLC & Touch panel
System weight		35 kg	45 kg