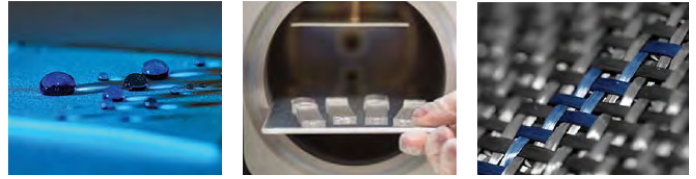# PLASMA SURFACE TREATMENT

Basic Plasma Cleaner 基本型

Features：

PDC-32G (115V); PDC-32G-2 (230V)
Compact, tabletop unit
Adjustable RF power settings (Low, Medium, High)
Maximum RF power of 18W
Includes a 3" diameter x 6.5" length Pyrex chamber
Hinged door with viewing window
Active fan cooling
Integral switch for a vacuum pump
1/8" NPT metering valve to qualitatively control gas flow and chamber pressure
1/8" NPT 3-way valve to quickly switch from introducing gas, venting and the chamber
Weight: 13 lbs
Size: 8.5" H x 10" W x 8" D .

Expanded plasma Cleaner 扩展型

Features：

PDC-001 (115V); PDC-002 (230V)
Large, tabletop unit
Adjustable RF power settings (Low, Medium, High)
Maximum RF power of 30W
Includes a 6" diameter x 6.5" length Pyrex chamber
Hinged door with viewing window
Active fan cooling
Integral switch for a vacuum pump
1/8" NPT metering valve to qualitatively control gas flow and chamber pressure
1/8" NPT 3-way valve to quickly switch from introducing gas, venting and the chamber
Weight: 37 lbs
Size: 11" H x 18" W x 9" D .

High Power Expanded Cleaner 高功率型

Features：

PDC-001-HP (115V); PDC-002-HP (230V)
Large, tabletop unit
Adjustable RF power settings (Low, Medium, High)
Maximum RF power of 45W
Low RF power setting is equivalent to High RF power setting on PDC-001/PDC-002
Includes a 6" diameter x 6.5" length Pyrex chamber
Hinged door with viewing window
Active fan cooling
Integral switch for a vacuum pump
1/8" NPT metering valve to qualitatively control gas flow and chamber pressure
1/8" NPT 3-way valve to quickly switch from introducing gas, venting and the chamber
Weight: 37 lbs
Size: 11" H x 18" W x 9" D .

Option 选项

PlasmaFlo Gas Flow Mixer 气体流量混合器

Features：

PDC-FMG (115V); **PDC-FMG-2** (230V)
Dual gas feeds for gas mixing or independent control of two process gases
Dual process gas flowmeters
49 mL/min maximum flowrate for atmospheric air at 0 psig*
± 2% full scale accuracy
Thermocouple vacuum gauge sensor connects to plasma cleaner door
Digital meter displays pressure range of 1 mTorr to 760 Torr
Weight: 7 lbs
Size: 8.5" H x 10" W x 8" D

Vacuum Gauge and Digital Meter 数显真空计

Features：

PDC-VCG (115V); **PDC-VCG-2** (230V)
Thermocouple vacuum gauge sensor connects to plasma cleaner door
Digital meter displays pressure range of 1 mTorr to 760 Torr
¼" OD hose adapter included to connect gas line to metering valve on plasma cleaner door
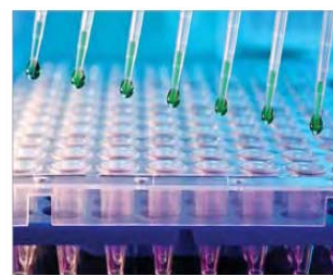Weight: 5 lbs
Size: 5" H x 10" W x 8" D

Vacuum Pumps 配套真空泵

Our Plasma Cleaners require a vacuum pump with a minimum pump speed of 1.4 m^3/hr (23 L/min) and an ultimate total pressure of 200 mTorr (0.27 mbar) or less

Rotary vane pumps with hydrocarbon pump oil (included with pump) Suitable for pumping nonreactive or inert gases (e.g. Air, N$_2$ or Ar)
These pumps are not intended for pumping oxygen; see our Oxygen Service Pumps
For corrosive or reactive gases, consult with us directly

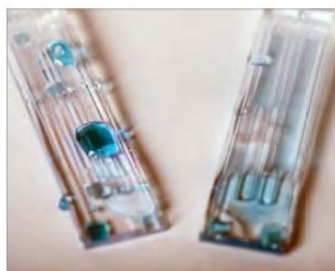# APPLICATIONS 应用

MEDICAL PLASTICS

MICROFLUIDICS

First-Nano System
German/Hong Kong/China