

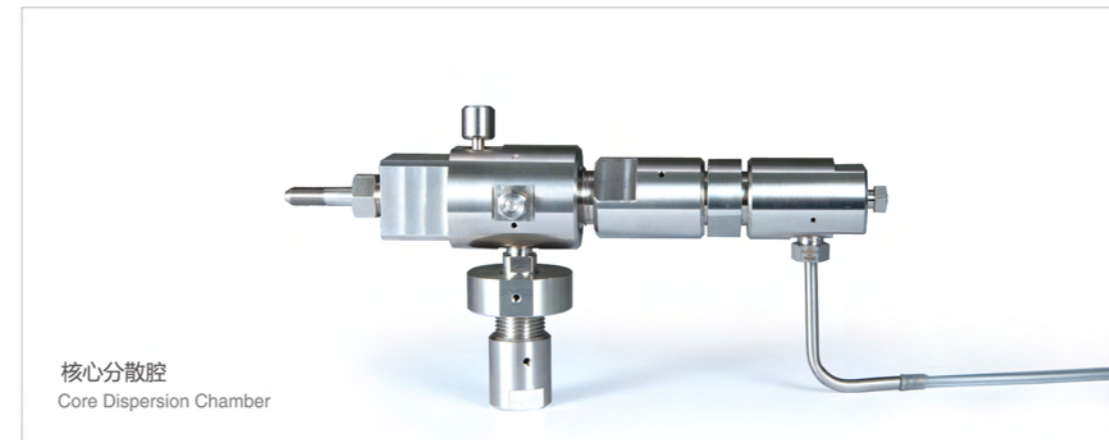
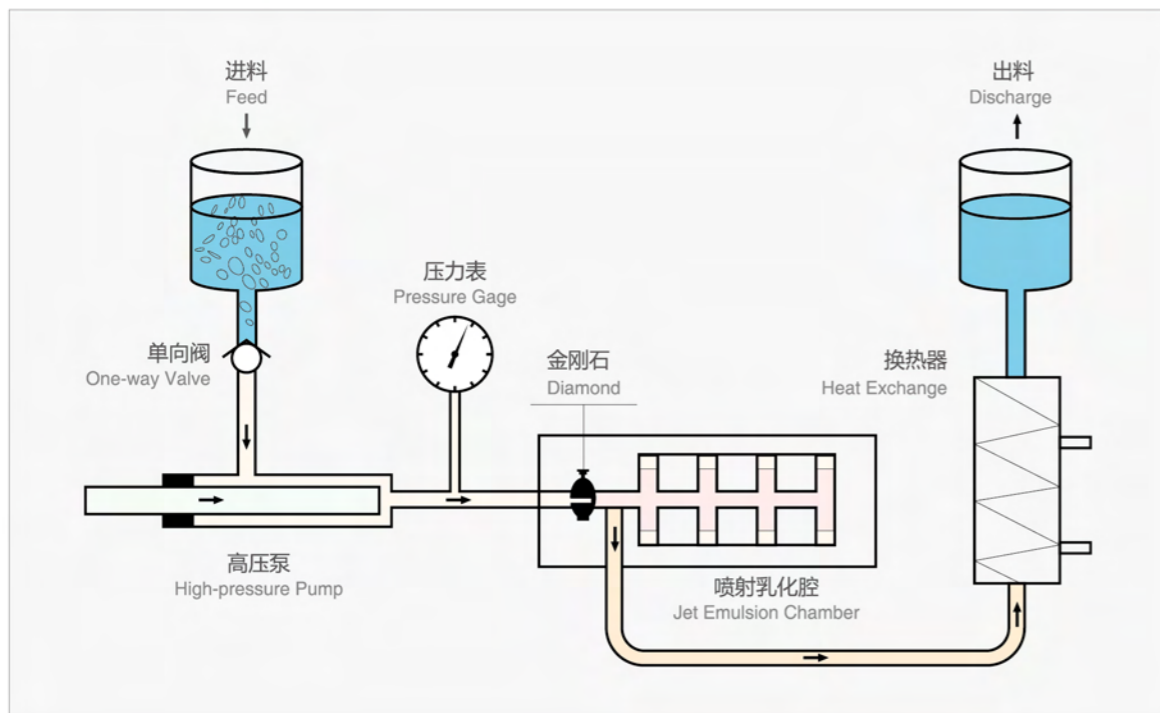
微射流均质机

HIGH PRESSURE MICROFLUIDIZATION HOMOGENIZER

工作原理 Working Principle

物料流经单向阀后，在高压腔泵里加压，通过微米级的喷嘴，以亚音速撞击在乳化腔上，同时通过强烈的空穴，剪切效应，得到足够小而均一的粒径分布。

The material flow through a one way valve, was pressured in the high pressure chamber. when pass the micron nozzle, the material will subsonic impact the chamber, with a shearing effect at the same time, then get a narrow range of micron particle.

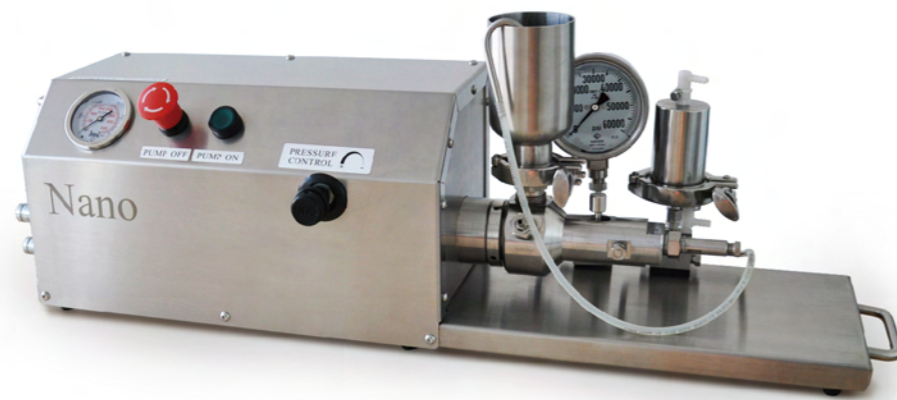


产品优势 Product Advantage

- ▶ 电液传动，在保证安全性的同时，独特的腔体构造，使均质压力最高可达 3100bar，有效解决颗粒的纳米级分散；
- ▶ 最小可处理 10ml 样品，并可循环均质，节约研发成本；
- ▶ 喷嘴核心材质为金刚石，同时采用金属锥面密封，在承受超高压力的同时，保证密封性，延长使用寿命。
- ▶ Electro-hydraulic driven, the unique cavity structure could both guarantee safety and ensure a maximum homogenization pressure of 3100bar, which effectively solves the nano particle dispersion issue;
- ▶ Minimum can handle 10ml samples, and can be recycled homogeneous, saving research and development costs;
- ▶ The core material of the nozzle is diamond, and the metal cone seal is adopted at the same time, so as to ensure the sealing performance and prolong the service life under the condition of high pressure.

微射流均质机

HIGH PRESSURE MICROFLUIDIZATION HOMOGENIZER



实验型 Nano LAB TYPE : Nano

处理压力 Pressure Range	可达 (Up to) 45000psi (3103bar/310Mpa)
处理量 Capacity	50ml/min 最小处理量为 10ml
最大产品进料温度 Maximum Feed temperature	80℃
喷腔孔径 Chamber diameter	100µm, 130µm, 200µm, 250µm
喷腔材质 Chamber material	金刚石 (Diamond)
压力显示 Pressure display	机械式指针压力表 (Mechanical pointer pressure gauge)
密封材料 Sealing material	UHMWPE , PEEK, 氟橡胶 (Fluororubber)
功率 Power	1.5kw
机台重量 Weight	20kg
尺寸 Dimensions	800mmx200mmx220mm

Mini – 中试型 MINI TYPE

处理压力 Pressure Range	可达 (Up to) 45000psi (3103bar/310Mpa)
处理量 Capacity	200ml/min 最小处理量为 50ml
最大产品进料温度 Maximum Feed temperature	80℃
喷腔孔径 Chamber diameter	100µm, 130µm, 200µm, 250µm
喷腔材质 Chamber material	金刚石 (Diamond)
压力显示 Pressure display	机械式指针压力表 (Mechanical pointer pressure gauge)
密封材料 Sealing material	UHMWPE , PEEK, 氟橡胶 (Fluororubber)
功率 Power	5kw
机台重量 Weight	280kg
尺寸 Dimensions	1140mmx500mmx760mm



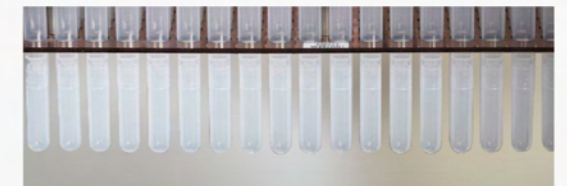
微射流均质机

HIGH PRESSURE MICROFLUIDIZATION HOMOGENIZER



主要应用 Main Application

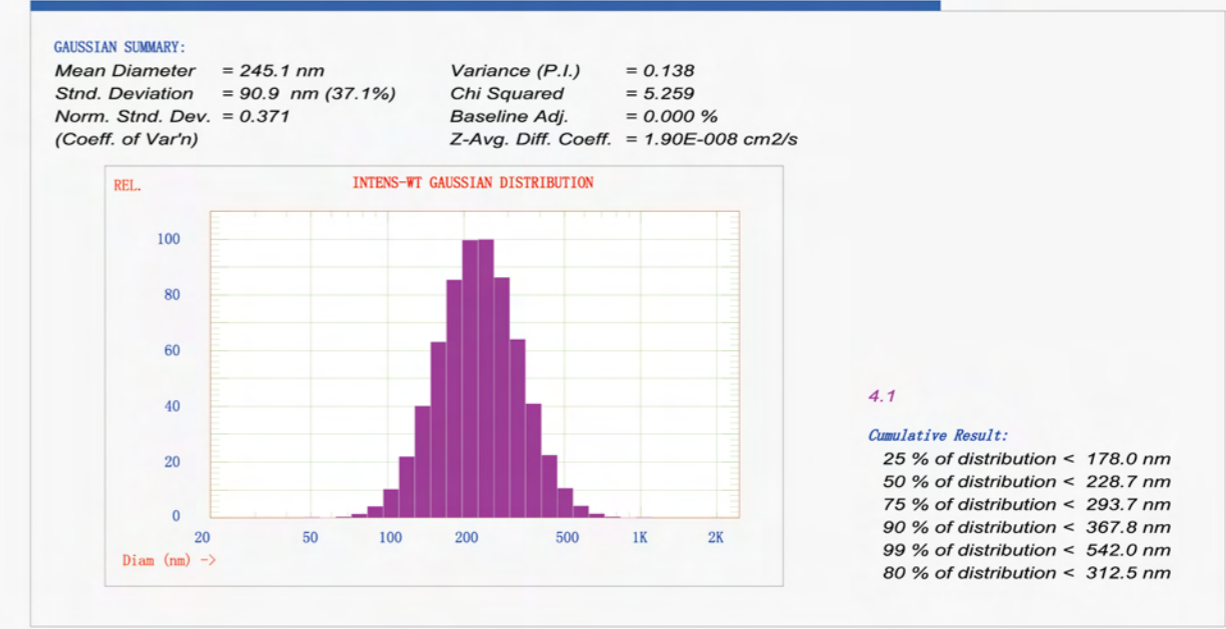
- ▶ 脂肪乳, 脂质体, 纳米混悬液的制备
- ▶ 细胞内物质的提取 (细胞破碎)
- ▶ 食品, 化妆品的均质乳化
- ▶ 新能源产品 (石墨烯电池导电浆料, 太阳能浆料)



- ▶ Fat emulsion, liposome, preparation of nano suspension
- ▶ Extraction of intracellular substances (cell disruption)
- ▶ Homogeneous emulsification of food and cosmetics
- ▶ New energy products (graphene battery conductive paste, solar paste)

微射流均质机 - 纳米载药乳

High Pressure Microfluidization Homogenizer—nanoparticle Drug Carrier Emulsion



生产型2000 PILOTTYPE 2000SERIES

处理压力 Pressure Range	可达 (Up to) 45000psi (3103bar/310Mpa)
处理量 Capacity	20-200L/h
最大产品进料温度 Maximum Feed temperature	80℃
喷腔孔径 Chamber diameter	100µm, 130µm,200µm,250µm
喷腔材质 Chamber material	金刚石 (Diamond)
压力显示 Pressure display	数字显示 (Digital display)
密封材料 Sealing material	UHMWPE , PEEK, 氟橡胶 (Fluororubber)
功率 Power	10kw
机台重量 Weight	900kg
尺寸 Dimensions	1340mmx600mmx1210mm