



## ▶ Accuracy、Less steam consumption

### Main Features

- Including stainless steel dryer bed, screw conveyer, screw conveyer, sieving device, etc
- Steam system:** Accurate pressure reducer and PID control system (proportional steam valve system) to keep very stable and accurate steam, ensure material variation;
  - Pressure control:** Pressure sensor with multi-steam and exhausting system to keep expansion chamber pressure stably, Also reduce the steam consumption;
  - Temperature control:** Adopts temperature sensor and compressed air proportional valve to keep accurate expansion temperature, which is suitable for high density expansion, less broken beads;
  - Material level control:** Keeps accurate weighing scales and vibrated level sensor control, ensure less density tolerance.
  - Material filling system:** Set filling weight in touch screen and electronic weighing filling to realize filling accurately and automatically;
  - Electric control:** Adopts PLC programmable controller and touch screen, electronic parts, valves are famous brand ( Schneider touch screen and electronic, Mitsubishi PLC, Germany valves), which control the whole working procedure automatically and stably.

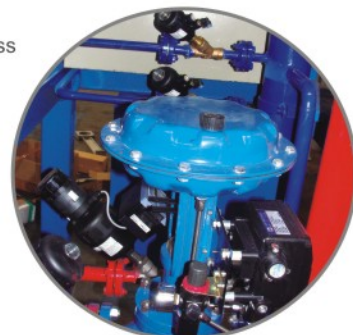
**Note:**  
 ✦ Auto density-weighing system is optional.  
 ✦ Secondary expansion device for SPJ130, SPJ160 is optional.



Air PID control



Vibrating level sensor



Steam PID control system



Multi-steam ventilation system



patent product 专利产品

### 主要特点

包括不锈钢干燥床, 螺旋上料机, 送料, 筛选等装置。

- 蒸汽系统:** 减压阀与PID 比例控制蒸汽阀, 达到精确的加热, 发泡均匀;
- 压力控制:** 压力传感器加上多阀排气系统, 保持稳定的桶体压力, 降低能耗;
- 温度控制:** 采用温度传感器和压缩空气PID比例控制阀, 保持精确的发泡温度, 适合高密度的发泡
- 料位控制:** 采用振动传感器控制发泡料位, 实现精确珠粒料密度均匀;
- 称重入料:** 采用电子秤重入料, 在触摸屏设定入料的重量, 秤重装置将自动称重, 实现入料准确;
- 电器控制:** 采用PLC可编程控制器与触摸屏, 电器元件, 阀门均采用国内外知名品牌(施耐德、日本三菱、德国), 实现全自动生产, 性能稳定。

**备注:**  
 ✦ 自动称重系统可以选配。  
 ✦ SPJ160、130带二次发泡装置可以选配。

▶ 精确、低消耗



### TECHNICAL DATA 技术参数

Item 项目		SPJ 50A	SPJ 90A	SPJ 110A	SPJ 130A	SPJ 160A
Expansion Chamber 发泡桶体	Diameter 桶体直径 Volume 容积 Useable Volume有效容积	φ500mm 0.14m <sup>3</sup> 0.1m <sup>3</sup>	φ900mm 0.85m <sup>3</sup> 0.6m <sup>3</sup>	φ1100mm 1.4m <sup>3</sup> 0.9m <sup>3</sup>	φ1300mm 2.4m <sup>3</sup> 1.6m <sup>3</sup>	φ1600mm 5.4m <sup>3</sup> 4.5m <sup>3</sup>
Steam 蒸汽	Entry 入口 Consumption 消耗 Pressure 压力	DN25 0.5-0.7kg / cycle 0.6-0.8MPa	DN40 2-4kg / cycle 0.6-0.8MPa	DN50 6-9kg / cycle 0.6-0.8MPa	DN65 10-12kg/cycle 0.6-0.8MPa	DN100 18-20kg/cycle 0.6-0.8MPa
Compressed Air 压缩气	Entry 入口 Consumption 消耗 Pressure 压力	DN20 0.2-0.3m <sup>3</sup> / cycle 0.6-0.8MPa	DN25 0.3-0.4m <sup>3</sup> / cycle 0.6-0.8MPa	DN25 0.5-0.6 m <sup>3</sup> / cycle 0.6-0.8MPa	DN40 0.7-0.9m <sup>3</sup> /cycle 0.6-0.8MPa	DN40 0.5-0.8m <sup>3</sup> /cycle 0.6-0.8MPa
Drainage 排污	Drainage Port 排污口 Condensate 冷凝水	Dn65 DN20	Dn140 DN40	DN80 DN80	DN100 DN100	Dn150 DN40
Throughput 生产能力		13 g / l 85kg / h 18 g / l 120kg / h 25 g / l 175kg / h 32 g / l 220kg / h	13 g / l 240kg / h 18 g / l 350kg / h 25 g / l 480kg / h 31 g / l 590kg / h	12 g / l 240kg / h 15 g / l 320kg / h 20 g / l 430kg / h 30 g / l 600kg / h	12 g / l 530kg / h 15 g / l 670kg / h 20 g / l 920kg / h 30 g / l 1220kg / h	12g / l 1500kg / h 15g / l 2000kg / h 18g / l 2600kg / h 25g / l 3100kg / h Second expansion 二次发泡 8g/l 800kg/h 10g/l 1000kg/h
Material Conveying Line 送料管		φ150mm	φ150mm	φ150mm	φ250mm	φ250mm
Connected Load 装机功率		9.5Kw	15.25Kw	16.53Kw	20.1Kw	38Kw
Density 发泡密度		12-140 g/l	12-90g/l	12-30g / l	12-30g/l	12-30g/l
Density Tolerance 密度误差		± % 2	± % 2	± % 3	± % 3	± % 3
Overall Dimension 外形尺寸	(L×W×H)	3000×3800×3800 (mm)	4500×2000×4900 (mm)	5600×3800×4530 (mm)	7380×3000×4500 (mm)	11000×2840×6050 (mm)
Weight 机器重量		1500kg	2500kg	3500kg	4200kg	8000kg
Room Height Required 厂房高度		5000mm	5000mm	5000mm	5500mm	7000mm