东莞市宝品精密仪器有限公司是国内最早研发试验型开炼机和压片机的厂家;至今已有25年的经验。

在塑胶材料和高分子材料行业,宝品科技丰富的产品线覆盖所有的加工研究范围,尤其是在聚合物新材料应用行业,我们多项科研技术处于国内领先地位。

宝品科技荣获30多项国家专利技术,产品通过了欧盟CE认证,并通过了ISO9001:2015质量管理体系认证,是国家认定的高新技术企业。

宝品科技坚持以品质;诚信;创新为经营理念,与用户携手共进;共创未来。

Dongguan Baopin Precision Instrument Co., Ltd. is the earliest manufacturer of experimental two roll mill and hydraulic press machine in China; it has over 25 years of experience.

In the plastic material and polymer material industry, Baopin Technology's rich product line covers all processing research areas, especially in the polymer new material application industry. Many of our scientific research technologies are in the leading position in China.

Baopin Technology has won more than 30 national patent technologies, its products have passed the EU CE certification, and passed the ISO9001:2015 quality management system certification. It is a high-tech enterprise recognized by the state.

Baopin Technology adheres to the business philosophy of quality; integrity; innovation, and works together with users to create a better future.

BP-8170-A 电动压片机/电热水冷型
ELECTRIC PRESS MACHINE/ELECTRLC HEATING WATER COOLING TYPE

BP-8170-A 仪表型

4 块压板均为 SKD 铬钼合金材质,表层经高频、渗氮、镀铬、抛光至镜面等工艺处理,铬氏硬度高达 60HRC,坚固耐用,极耐腐蚀。

4 根高强度精密导柱承载上下双层模压板锁模结构,载荷平稳,坚固耐用,机架重型结构钢设计,能有效的减少变形和损坏,镜面模压板之间的平行度极高,可满足任何高精度的压片。

专利的加热控制技术,配备进口高精密度 PID 数字温控显示器,按照热密度分布的传热管可确保加热板表面的温度分布均匀一致。

模压板组合为标准的上层加热区域和下层冷却区域,上层加热板内置多排电热管,加热稳定可靠,下层冷压板中通蛇形水冷管道,降温迅速有力。电加热和水冷却一体化的布局,应用广泛。

液压系统具备压力自动补偿,延时停机和保压功能,包含至少两段压力可设和两种单位显示,多个排气动作均可任意设定。最优化的电液驱动组合设计,使功效提高的同时从而降低产品的能耗,节能高效。

电控系统依照CE或更高标准规范配给,电器组件均采用纯正品牌,温控和时间与压力均可以设定和显示,模压动作具有手动和自动两种工作模式,操作方便、准确可靠。

Four pressing plates are made of SKD chromium-molybdenum steel. With the surface-layer processing of high frequency, carburization, chromium plating and polishing, the hardness reaches 60HRC, making the plates durable.

Four high-strength, precise guide pillars bear the mould locking device of two-layer mould pressing plate. The design of the rack is based on heavy-duty structural steel, which can reduce the risk of deformation and damage effectively. The parallelism between the mould pressing plates is extremely high, together with stable loading and durability, to meet the requirements of high - precision pressure pieces.

Patented heating control technology, equipped with imported high-precision PID digital temperature control display, and heat transfer tubes distributed according to heat density can ensure uniform temperature distribution on the surface of the heating plate.

The mould pressing plate consists of the upper heating area and the lower cooling area.The upper layer is equipped with multiple rows of heat transfer tubes inside with stable heating and the lower layer is connected to the S-shaped cooling tube with quick temperature drop. The integration of electric heating and cooling contributes to its wide application.

The hydraulic system is featured by automatic compensation, time delay stopping and pressure maintenance, with at least settable duo-pressure and two unit displays. And multiple exhaust operations can be set at will.The combined design optimization of electrohydraulic drive can improve the efficiency and reduce energy consumption.

The electronic control system is dispensed according to CE or higher standard specifications. The electrical components are of pure brand. The temperature control and time and pressure can be set and displayed. The molding action has manual and automatic working modes, which are convenient, accurate and reliable.

2块模压板为SKD铬钼合金材质，表层经渗氮、镀铬、抛光等工艺处理，铬氏硬度高达HRC60，坚硬耐磨，永不生锈。

高硬度精密导柱承载上下双层模压板结构，载荷平稳，坚固耐用，压台四周外设钢化玻璃可视门罩，打开门罩时即可停止所有模压动作，安全有保障。

进口高精度压力传感器侦测压力，压力大小可以无级调节。

专利的加热控制技术，按照热密度分布的加热管和传热管径可确保加热板表面的温度分布均匀一致。

电加热和水冷却一体化，在一套压台上具备加热和冷却两种功能的模压板，压板之间的平行度极高，可满足任何高精度的压片，上下双层模压板内置多排电热管和中通蛇型水冷通道，加热稳定可靠，降温迅速有力。加热循环结束后系统自动切换到冷却程序即可以全压力冷却，冷却结束后程序自动下降打开模压板，自动化程度高。

比例液压流量复合阀控制液压系统，压力大小可调，具备压力自动补偿和延 时停机保压功能，本液压系统带有双速的工作模式，即低压力采用高接近速度，高压力时采用低接近速度，多个排气次数可以设置，可确保模板压力达 到饱和。

PLC可编程序液晶触摸屏控制器的人机界面操作系统，可轻易的设置和显示所有的模压参数，排气时间、排气次数、加热温度、硫化时间和压力大小均可任意设定和显示，模压进程还可动态显示和适时监视，硫化曲线界面直观，数据精确可靠。备有 USB 数据输出接口，可连接计算机远程监控和打印结果。

BP-8170-B PLC程控型

Two pieces of pressing plates are made of SKD chromium-molybdenum steel. With the surface-layer processing of carburization, chromium plating and polishing, the hardness reaches 60HRC,making the plates durable and never rust.

High-strength, precise guide pillars bear the mould locking device of two-layer mould pressing plate with stable loading and durability. The visible doors with toughened glass are set around the pressing plates. Once opening the door, all the mould pressuring actions will be stopped, which is secure.

Import high-precision pressure sensor to sense pressure and the pressure can be adjusted steplessly.

The patented heating control technology, according to the diameter of the heating tube and the heat transfer tube of the heat density distribution, can ensure the uniform temperature distribution on the surface of the heating plate.

The integration of electric heating and water cooling makes the mould pressing plate have two functions of heating and cooling. The parallelism between the pressing plates is extremely high, which can meet the requirements of high-precision pressure pieces. The upper layer and the lower layer of the mould pressing plate are equipped with multiple rows of heat transfer tubes and S-shaped cooling tube with stable heating and quick temperature drop. After heating, the system will switch to the cooling process automatically and cool it in full pressure. After the cooling, the program will descends automatically and open the mould pressing plate with high automation degree.

Combination valve of proportion hydraulic flow can control hydraulic system with the functions of automatic compensation and time delay stopping of the fuel tank and the pressure can be adjusted. This hydraulic system is equipped with the double-speed work model, that is, adopt high approach speed in low pressure and low approach speed in high pressure. Multiple exhausting frequencies can be set to ensure template pressure has reached to saturation.

The human-machine interface operating system of PLC programmable LCD touch screen can set and display all the mould parameters easily. Exhausting time, exhausting frequency, heating temperature, vulcanization time and the pressure degree can be set and displayed at will. The mould process can be displayed dynamically and be monitored in due time. The interface of vulcanization curve is visualized with accurate and reliable data. Equipped with a USB data output interface, which can be connected to a computer for remote monitoring and printing results.

微型结构，经济适用，不占地方。

4柱式的模压板结构，载荷力大，坚固耐用。

压板之间的平行度极高，不易变形，保证长期使用的压片精度。

手动加减压方式，压力大小可调，操作简单，故障率低。

具有语言提示功能，方便操作。

It has compact structure, economic and affordable with small size.

4-post type molded plate structure, large load and high-strength, precise guide pillars bear locking structure with stable loading.

The parallelism between the pressing plates is extremely high. The difficult in deformation will ensure the precision of the pressure pieces long-term used.

Pressurizing with manual method, the degree of the pressure will be controlled manually. The pressure gauge will be displayed in two units, thus compression and decompression will be distinguished at a glance with simple operation and low failure rate.

It has been equipped with language prompt functions, easy to operate and simple to use.

BP-8170-C 仪表型

适用于少量试样的压片，具有操作简单，制样迅速等特点。

紧凑的设备可以放在客户自己的桌子上运行。

工作空间四面封闭，安全性高。

It is suitable for pressing a small number of samples, with the characteristics of simple operation and rapid sample preparation.

Laminating compact device to be placed on the customer's own table smooth running integrated electric heating and water cooling.Compact equipment can run on the customer's own desk.

The working space is closed on all sides with high safety.

BP-8170-T 桌上型

实验室压片机技术参数表 Technical parameters of laboratory press

	BP-8170-A	BP-8170-B	BP-8170-C	BP-8170-T
容量 Capacity	20T~50T	20T~50T	10T~50T	10T~50T
压板尺寸 Pressing plate size	300×300mm	300×300×60mm	220×220×40mm	220×220×40mm
开口距离 Distance of pressure plate	70mm	150mm	60mm	100mm

实验用双辊开炼机
LAB DOUBLE-ROLL MILL
宝品科技 BAOPIN

BP-8175-A 电热仪表型

BP-8175-B/PLC 油热型

BP-8175-AL/PLC 电热水冷型

BP-8175-BL/PLC 油热水冷型

BP-8175-C/PLC 橡胶型

电热型的温度最高可达300℃，油热型的可达250℃，电热水冷型和油热水冷型的温度分别最高可达300℃和250℃，还有橡胶型和桌上型开炼机，可满足大多数胶料的塑炼。

进口高精度LED或PLC过程控制显示器，专利的加热控制技术，经过特殊设计的热密度分布的加热模管和辊筒内腔精密的传热路径，可确保辊筒表面的温度分布均匀一致。

辊距调整采用精密丝杆传动，轻巧灵活好用。内置有安全防撞限位块，保证滚筒不会接触。备有辊距定位锁紧把手，可防止辊距位移，从而确保所压试片的精度。

辊筒采用SKD铬钼合金材质，表层经渗碳、镀铬、镜面抛光等工艺处理，硬度高达60HRC，坚硬抗磨，永不生锈。

进口齿轮减速马达和绞链传动，驱动平稳，运行噪音极低。可选装无级变频，单调速或双调速控制，可任意调整前后辊筒的旋转速度，调速范围0-35rpm。

设备操作安全性高，具备上下立体式的安全保护装置。在辊筒上方设有急停拉杆，一旦触动即刻使旋转的辊轮紧急停车。在机台下前方设有反转停机装置，用膝盖顶碰反转门，可使辊筒反转1/3圈后停机。

所有的电控组件均采用进口品牌电器，电路控制依照CE或更高标准规范配给，产品性能稳定，可靠耐用。

产品机件加工利落，线条洗链流线，表面电镀或冷色烤漆。产品外观凝聚完美高质的价值感。

The temperature of the electric heating type can reach 300 ℃, the oil heating type can reach 250 ℃, the electric hot water cooling type and the oil hot water cooling type can reach 300 ℃ and 250 ℃ respectively。 Besides, there are the rubber type and desktop type, can meet the plastics of most rubber compounds.

Imported high-precision LED or PLC process control display. The heat mould tube distributed on the density basis after special designing and precise heat transfer path inside the roller can ensure the uniformity of the temperature of the surface.

Precision lead screw is adopted to adjust roller space which is lightweight and easy to use. The accurate scale indication and the lock device will ensure the thickness of the gracked glaze.

Rollers are made of SKD chromium-molybdenum steel. With the surface-layer processing of carburization, chromium plating and polishing, the hardness reaches 60HRC, making the plates durable and easy to clean.

It imports gear reducer motor and ground chain with stable drive and low operation noise. Stepless frequency conversion, single speed governing or double speed governing control can be selected. The rotation speed of the rollers can be adjusted at will with the speed range of 0-35rpm.

This equipment is equipped with three-dimensional security devices with high operation security. Emergency stop rod is set on the top of the roller. Once it was touched, the rotating roller will be stopped immediately. Reversal stop device is set in front of the machine. Touch reversal doors with knees, the roller will stop after reversal turning 1/3.

All electrical control components adopt imported brand appliances. The circuit control is allocated in accordance with CE or higher standards with stable product performance, reliable and durable.

The machine parts are neatly processed, the lines are washed with chain flow lines, and the surface is electroplated or cold-colored paint. The appearance of the product condenses a perfect and high-quality sense of value.

人机界面
Human Machine Interface

SKD铬钼合金超级镜面辊筒
SKD chrome molybdenum alloy super mirror roller

重型时规链传动
Heavy duty timing chain drive

安全保护1 紧急停车装置
Safety protection1 Emergency stop device

安全保护2 防护网罩
Safety protection2 Protective net cover

安全保护3 膝顶反转装置
Safety protection3 Knee top reversing device

BP-8172-B(0.2L/0.5L)密炼机

操作界面 Operation interface

搅拌桨 Mixing blade

密炼仓 Mixing chamber

温度范围 Temperature range	RT~400°C
加热方式 Heating method	电加热 Electric heating
温 控 器 Temperature controller	PLC可编程序彩色触摸屏，人机界面操作系统，所有参数均可任意设定和控制，混炼进程(温度、时间、扭矩、转速等工艺参数曲线变化)动态显示 PLC programmable color touch screen, man-machine interface system,all the mixing process parameters and curve can be displayed dynamically,including temperature,rotation speed,time and torque etc
倒料方式 Feeding method	打开下料 Open and feeding directly
转子类型 Rotor type	Roller(标配)(standard)
转子速比 Rotor speed ratio	3:2
转子转速 Rotor speed	0~120rpm 变频器调速 Interver regulates the speed
转子材质 Rotor material	SKD 铬钼合金，表层经渗碳、镀铬、抛光至镜面等工艺处理，洛氏硬度高达60HRC SKD chrome-molybdenum alloy, surface treated by carburizing, chrome plating, polishing and other processes, rockwell hardness up to 60HRC.

密炼机转子类型可选剪切型和齿合型，适应各种胶料的混合分散。

密炼仓三面独立，夹层加热或中通水冷管道，可满足任何炼胶和炼塑的工艺要求。

强劲的气动弧形压砣与密炼仓底形成吻合，无死角，搅拌均匀，效能高效，密炼可接近真实的工作环境。

密炼仓内与物料接触的表面均采用高抗腐蚀和高耐磨材质，经高频、渗碳、调质、硬铬、抛光等工艺处理，坚硬耐用，不易磨损。

特别设计的搅拌轴与密炼仓两端密封的专利技术，可保证长期使用混合胶料无从漏胶，仓体密封性能良好。

大扭矩的调速马达传动具有螺旋升角的椭圆形两翼凸棱搅拌轴，角度错位切向，相向强力旋转剪切，混炼效果优异，性能高效，塑炼周期大大缩短。

PLC可编程序液晶触摸屏控制器，人机界面中英文操作系统，可轻易的设置和显示及控制所有的工艺参数：转子转数、加热温度、硫化时间和扭距大小，硫化曲线界面图形直观。备有USB数据输出接口，以连接计算机远程监控和打印结果，可实现在线测量。

The rotor type of the mixer can be selected from the shearing type and the toothing type, which is suitable for the mixing and dispersion of various rubber materials.

Three sides of the mixing chamber are independent with mezzanine heating or connecting water-cooling tubes, meeting the process requirements of any milling and refined plastics.

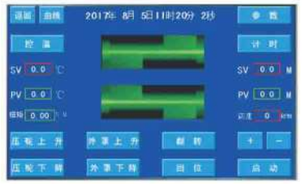
The surfaces of the mixing chamber contacted with the material are adopting high corrosion resistance and high wear-resistant material. With the processing of high frequency, carburization, hardening and tempering, chrome plating and polishing, it becomes hard and durable, hard to wear.

Strong pneumatic arc pressure mound is matched with the end of mixing chamber. This chamber is of good sealing property, without glue leakage and the mixing can be close to the real working environment.

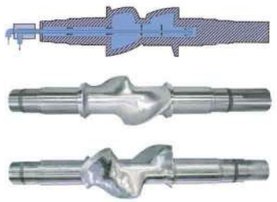
The specially designed patented technology of the mixing shaft and the two ends of the mixing chamber can ensure that the mixed rubber material will not leak for a long time and the sealing performance of the chamber is good.

The speed motor drive of high pulling torque has an oval mixer shaft with two wings convex edges of lead angle. The angles are dislocated with opposite strength rotating and shearing, excellent mixing effect and efficient performance, significantly shortening the plasticate cycle.

The human-machine interface operating system of PLC programmable LCD can set and instantly display all the process parameters. The mixing time, mixing temperature, rotor speed and load torque can also be set at will or display instantly, realizing the on-line measurement of mixing performance.Equipped with USB data output interface to connect with a computer for remote monitoring and printing results, enabling online measurement.



操作界面 Operation interface



搅拌桨 Mixing blade

密炼仓 Mixing chamber

BP-8172-B(1L/3L/5L)密炼机

本机适合工程塑料、改性塑料、色母粒等高分子聚合物的混炼塑化和挤出，具有分散均匀、塑化着色、填充改性等特点。适用实验室试验和控制质量，教学研究和小规模生产。

This machine can be applied to the mixing, plasticizing and extrusion of engineering plastics, modified plastics, masterbatch and other high polymers with the features of uniformly dispersed, plastics coloring and filling to modify. It can be used in laboratory tests, quality control, teaching research and small-scale production, can extrude and make granula, sheet, pipe, etc. directly. Can simulate a variety of production process.

螺杆直径分别为16、20、25、30可选，长径比为10~30倍可选，拓展了对各种物料的加工范围。

螺杆料筒材料选用38CrMoAl特种工具钢并经氮化、调质、镀铬和超精衍磨处理，坚硬抗磨，极耐腐蚀。

螺杆带有喂料段、输送段、压缩区和混合头，可加工各种不同的物料达到最佳的分散效果。

螺杆转速0-80rpm无级变频调速，以满足不同物料的挤出工艺要求。

料筒加热采用电热圈加热器，维护简单，安装方便，5区独立加热可确保温度达到需要。料筒采用4组多翼式超静风机强制冷却，电加热和风冷却一体化的布局，冷热对冲平衡，确保有效的恒定温度。

模头采用快速联接卡环，拆装机头快速，容易于下游设备联接，试验转换省时省力。

可选装分流板和过滤网罩，防止未熔融的粒子和杂质，以提高熔体压力，保证塑化质量。

PLC可编程序液晶触摸控制屏，人机界面中英文操作方式，所有参数均可任意控制和显示，挤压进程更态动态显示和监视，软体界面图形直观。备有USB数据输出接口，易于输入和打印。

The screw diameter is optional: 16、20、25、30 and the length ratio: 10~30 times can be optional, expanding the scope of processing.

The screw barrel is made of 38CrMoAl special tool steel. With the processing of nitriding, tempering, chroming and super-precision grinding, it becomes hard and wear-resistant, extremely corrosion-resistant.

The screw equipped with feeding section, transportation section, compression zone and mixing head can process all sorts of materials, achieving the best dispersion effect.

It is 0-80rpm stepless frequency control to meet extrusion process requirements of different materials.

Electric lap heater is used to heat charging barrel, easy to maintain and install. The independent heating of five areas can ensure the temperature meet the requirements. The barrel adopts 4 groups of multi-wing ultra-quiet fans to cool forcedly.

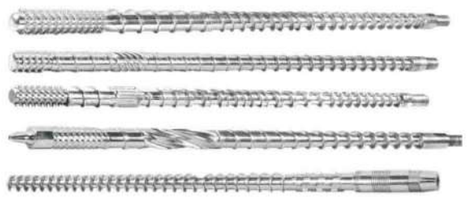
The die head adopts quick connecting loop, fast to remove head and easy to connect with downstream equipments, time-saving and energy-saving during test conversion.

Flow distribution plate and filter mask can be installed to prevent non-molten particles and impurities, in order to improve the melt pressure to ensure plasticizing quality.

PLC programmable color touch screen, man-machine interface operation system, extrusion process dynamically can be displayed dynamically and monitored.Equipped with USB data output interface, easy to input and print.

BP-8176-AT

BP-8176-BT



各型螺杆可选 Various types of screw optional

人机界面 Human Machine Interface

料筒 Barrel

C型快速联接卡环
C-type quick coupling snap ring

3D耗材收卷辅机
3D consumables reeling auxiliary machine

快速放料装置 Quick discharge device

螺杆直径分别为16、20、25、30可选，长径比为10~30倍可选，拓展了对各种物料的加工范围。

螺杆料筒材料选用38CrMoAl特种工具钢并经氮化、调质、镀铬和超精衍磨处理，坚硬抗磨，极耐腐蚀。

螺杆带有喂料段、输送段、压缩区和混合头，可加工各种不同的物料达到最佳的分散效果。

螺杆转速0-95rpm无级变频调速，以满足不同物料的挤出工艺要求。

两个进口高精度集成熔体温度及压力传感器实时监测。机头熔体温度与压力控制精确，曲线变化一目了然。熔体压力与螺杆转速伺服死循环控制系统，可自动报警和自动控制主机运行。

模头采用快速联接卡环，拆装机头快速，容易于下游设备联接，试验转换省时省力。

可选装分流板和过滤网罩，防止未熔融的粒子和杂质，以提高熔体压力，保证塑化质量。

电器控制系统采用PID方式控温，高精度数字化仪表显示和控制所有的工艺参数，电器组件依照CE或更高规范配给的联锁联控系统，性能稳定，安全可靠。

可连接水浴、切粒机组成实验室造粒线。

可连接其他下游设备组成流延膜线、吹膜线、吹瓶机等。

Screw diameter are 16、20、25、30 (optional). Length ratio is 10 to 30 times are optional. So it expands the scope of various materials processing.

Screw and barrel are made of 38CrMoAl chromium-molybdenum steel. With the surface-layer processing of tempering, nitriding, chroming and super-precision grinding. So they are hard and wear-resistant, highly corrosion resistant.

Screw with a feeding zone, transportation segment, compression zone and the mixing head. It can process a variety of different materials to achieve the best dispersion effect.

0-95rpm screw speed stepless frequency control in order to meet the requirements of different materials extrusion process.

Two imported high-precision integrated melt temperature and pressure sensors are monitored in real time.The melt temperature and pressure of the machine head are controlled precisely, and the curve changes at a glance.Servo dead-cycle control system for melt pressure and screw speed can automatically alarm and automatically control the operation of the host.

Die with fast connection clasp, quick disassembly head, easy connection to downstream equipment and test conversion quickly.

Options for diversion plate and the filter mask to prevent unmelted particles and impurities and increase the melt pressure as to ensure the quality of plasticizing.

Electric control system adopts PID temperature control method, high precision digital display instrument and controls all the process parameters,electrical components in accordance with the CE or higher standard ration of interlocking spreading system, performance is stable, safe and reliable.

It can be connected to water bath and pelletizer to form a laboratory pelletizing line.

Can be connected to other downstream equipment to form casting film line, film blowing line, bottle blowing machine, etc.

适用于PP、PE等塑料原料及其色母粒等填充剂的分散性能的测定,测试方法符合欧洲标准EN13900-5:2005测试标准。

It is suitable for the determination of the dispersion properties of plastic raw materials such as PP and PE and their fillers such as masterbatch. The test method is in accordance with the European standard EN13900-5: 2005 test standard.

BP-8186-B

BP-8186-B

进口高精度熔体齿轮泵和两个集成熔体温度及压力传感器实时监测。机头熔体温度与压力控制精确，曲线变化一目了然。熔体压力与螺杆转速闭环控制系统，自动控制主机运行。

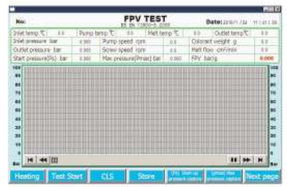
PLC可编程序液晶触摸屏控制系统，人机界面中英文操作方式，软件图形界面直观，配备USB接口，所有工艺参数均可任意设置和打印保存，熔体温度压力变化曲线清晰准确，可自动计算过滤压力值，挤压进程可动态显示和适时监视，数据精确，性能可靠，符合DIN EN-13900-5压滤值试验测定标准。

The imported high precision melt gear pump and two integrated temperatures & pressures and their transducers measure accurate temperature, instantly monitoring the handpiece temperature with obvious pressure and temperature variation.Melt pressure and screw speed closed-loop control system, automatic control host operation.

PLC programmable LCD touch screen control system, human-computer interface in Chinese and English operation mode, intuitive software graphic interface, equipped with USB interface, all process parameters can be set, printed and saved at will, melt temperature and pressure change curve is clear and accurate, filter pressure value can be calculated automatically, extrusion process can be dynamically displayed and timely monitored, accurate data, reliable performance, according to DIN En-13900-5 pressure filtration value test and determination standard.

BP-8186-BT

滤网 Filter screen



测试界面
Test interface

熔体压力传感器
Melt pressure sensor

BP-8178-AT 桌上型吹膜机

BP-8178-B 落地式吹膜机

本机为实验型，设计紧凑，机台较小，不占用室内太大的面积。
主机与辅机组合容易，原料使用量少，薄膜最大折径可达200mm。
配备C型快换机头，容易连机压延、流延、造粒、过滤等其它装置，试验转换省时省力。
单层或双唇的冷却风环和折幅宽度的死循环控制，确保可靠的产品质量。
吹膜塔高度可任意调高或调低，满足试验的需要。
挤出和牵引与收卷可以无级调速，保证吹膜工艺的要求。
采用气动无纸芯轴收卷薄膜装置，收卷容易，更换纸芯方便。
可连接12.5mm、16mm、20mm、25mm、30mm、40mm和45mm的单螺杆挤出机。
模头直径20—190mm，模缝间隙插件可选。
单层吹膜模头为螺旋流道结构，确保熔体分布均匀；多层共挤模头为“松饼式”结构，确保各层均匀分布。内部流道无死角，经高度抛光并镀镍，模口处镀铬。
集成检测灯箱便于快速实时观察薄膜缺陷。
完善的安全防护配置，符合CE安全标准。

This machine has compact design and a small body, not occupying too much indoor area.
The host and auxiliary machines are of easy assembly with few raw material. The maximum folded diameter of the thin film can reach 200mm.
Equipped with C-type quick change head, easy to connect with other devices such as ccalendering, casting, granulation, filtration, etc., and saving time and effort for test conversion.
Single-layer or double-layer cooling vane and the closed-loop control of creasing width ensure reliable product quality.
The height of the filming blow tower can be adjusted arbitrarily to meet test requirements.
The extrusion, traction and rolling have the property of stepless speed regulating, ensuring requirements of film blowing technology to be met.
Pneumatic paperless mandrel winding film device is adopted, which is easy to wind and convenient to replace the paper core.
Can connect 12.5mm、16mm、20mm、25mm、30mm、40mm and 45mm single screw extruder.
Die head diameter 20-190mm, optional insert for die gap.
The single-layer blown film die has a spiral flow channel structure to ensure uniform melt distribution; the multi-layer co-extrusion die has a "muffin type" structure to ensure uniform distribution of each layer. The inner flow channel has no dead corners, is highly polished and nickel plated, and the die is chrome plated.
Integrated inspection light box facilitates quick and real-time observation of film defects.
Perfect safety protection configuration, in accordance with CE safety standards.

膜泡剖边装置	Film bubble cutting device
废边切除及收集装置	Waste edge cutting and collecting device
气涨无纸芯收卷方式	Inflatable paperless core winding method
气涨有纸芯收卷方式	Inflatable paper core winding method
旋转牵引平台	Rotating traction platform
膜泡直径自动控制	Automatic control of bubble diameter
自动纠偏系统	Automatic rectifying system
双工位表面收卷机	Double station surface winder
双工位恒张力中心收卷机	Double-station constant tension center winder
自动换卷表面收卷机	Automatic rewinding surface winder
挤出机双工位手动换网器	Extruder double station manual screen changer
失重式连续计量喂料系统	Weightless continuous metering feeding system
全电脑液晶触摸屏控制系统，含数据导出功能	Full computer LCD touch screen control system, including data export function
冷却风环选配冷水机	Cooling air ring optional with chiller
双面电晕处理装置	Double-sided corona treatment device

人机界面
Human Machine Interface

风环 Wind ring

观测灯箱
Observation light box

自动张力收卷
Automatic tension winding

可挤出管材/微管外径(OD)范围为1mm至50mm。

管材及软管挤出采用的模头由高级工具钢制造而成，内部经抛光并镀铬。

真空冷却箱为不锈钢材质，内部包含真空定径套及冷却水喷嘴，表面覆盖树脂玻璃观察窗。针对管材水浴槽标准长度3米，微管/导管1.5米，其他长度可选。

可变速履带牵引单元，间隙可调，周围有重型安全网包围，前面为树脂玻璃安全门；牵引单元安装在可锁定的滑轮之上，便于移动和固定。

大直径管材可配置管材切割以及堆栈装置。

小直径软管/导管/微管/线缆可配置无级调速收卷机，具备摆动缠绕功能。

激光测径及闭环反馈壁厚控制系统可选。

Extrudable pipe/micropipe (OD) range from 1mm to 50mm.

The die used for extrusion of pipes and hoses is made of high-grade tool steel, and the interior is polished and chrome plated.

The vacuum cooling tank is made of stainless steel, which contains a vacuum sizing sleeve and a cooling water nozzle, and the surface is covered with a plexiglass observation window. The standard length of the water bath for the pipe is 3 meters, the microtube/catheter is 1.5 meters, other lengths are optional.

Variable speed crawler traction unit, adjustable clearance, surrounded by heavy safety net, the front is Plexiglas safety door; traction unit is installed on the lockable pulley, easy to move and fix.

Large diameter pipe can be equipped with pipe cutting and stacking device.

Small diameter hose / catheter / microtube / cable can be configured with stepless speed regulation winder, with swing winding function.

Optional laser diameter measurement and closed-loop feedback wall thickness control system.

3D 打印线材挤出线用于生产PLA、PE、PP、PS、ABS等材质3D打印线线材，可搭配16mm、25mm或30mm单螺杆挤出机。

产品精度可达+/-0.025mm。

线模头直径1.75—3.00mm，含定径套管。

真空冷却水槽内置真空泵和水泵。

加热器可保持水槽水温45度左右，避免极冷造成的料条孔洞。

履带式牵引系统配置上下独立无极调速;履带间隙可调以保证对料条的精确夹持;整套组件固定在封闭框架内以保证安全,前部为树脂玻璃察窗方便观察。

两站式高速收卷装置,快速换卷,带摆动缠绕功能,特定型号产能可达100m/min。

料条直径可直接设定

带有自动张力控制

系统带有计米器

可选配2点式激光测径仪，精度+/-0.002mm。

3D耗材线 3D consumable line

3D printing consumable extrusion line is used to produce PLA、PE、PP、PS、ABS and other materials. 3D printing consumable extrusion line can be used with 16mm、25mm or 30mm single screw extruder.

Product accuracy can reach +/-0.025mm.

Filament die head diameter 1.75-3.0mm, including sizing sleeve.

Vacuum cooling water tank with built-in vacuum pump and water pump.

The heater can keep the water temperature of the water tank at about 45℃ to avoid the hole of the material strip caused by the extreme cold.

The crawler traction system is equipped with up and down independent stepless speed regulation; the track gap is adjustable to ensure accurate clamping of the material strip; the entire set of components is fixed in a closed frame to ensure safety, and the front is a plexiglas inspection window for easy observation.

Two-station high-speed rewinding device, fast roll change, with swing winding function, specific model capacity up to 100m/min.

Filament diameter can be set directly

With automatic tension control

System with meter counter

Optional 2-point laser caliper with accuracy +/- 0.002mm.

激光测径仪
Laser caliper

自动张力收卷
Automatic tension winding

适用于各种通用塑料如PE、PP、PS、PC、PET、ABS、PVC的挤出。本机配备的水平和垂直挤出流延冷辊可以模拟单层流延和片材挤出等生产工艺，既可用于较薄薄膜制备，也可用于较厚片材制备，是最佳的实验室挤出成膜设备。

Used for extrusion of all kinds of general plastics such as PE、PP、PS、PC、PET、ABS、PVC. The horizontal and vertical extrusion cold roll equipped with this machine can simulate the single layer casting and sheet extrusion and other production processes.It can be used for both thin film preparation and thick sheet preparation. It is the best laboratory extrusion film forming equipment.

可连接16mm、20mm、25mm、30mm和45mm的单螺杆挤出机。

衣架型高精度平模头，宽度范围200mm-300mm；最大成膜宽度约300mm，最小宽度100mm，用于制备最大宽度不超过300毫米的薄膜。

冷辊由特殊水加热冷却循环系统控温，最高120°C。

冷辊温度控制也可选油加热冷却控温，最高170°C。

所有模头内部件均镀铬并经镜面抛光处理可有效防止死角。

橡胶夹辊带有张力控制（含张力测量辊），收卷张力和收圈直径指示。

TFT液晶触摸屏进行操作，所有的参数都在屏幕上显示并可储存及调用。

冷却辊数量2个或3个由高等级工具钢制成经精磨、镜面抛光及镀铬处理，硬度HRC60，表面光泽度2-4RMS。

冷却辊中辊可为压花辊，此时上压辊为硅橡胶包覆胶辊。

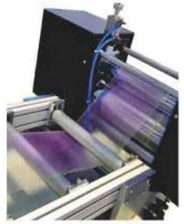
特定型号3个冷却辊可3工位切换—水平、45度角倾斜、垂直以适应不同工艺。

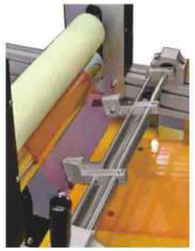
普通型号上压辊气动驱动，辅助冷却；特定型号上压辊液压驱动，可用压延工艺生产厚片材。

所有驱动电机为可调速交流变频电机或伺服电机（依型号差异而不同）。

完善的安全防护配置，符合CE安全标准。


流延模头
Casting die head


流延薄膜 Cast film


废边裁切
Scrap cutting


张力无纸芯收圈
Tension coreless winding

Can be connected to 16mm、20mm、25mm、30mm and 45mm single screw extruders.

Hanger type high-precision flat die head, width range 200mm-300mm; maximum film-forming width is about 300mm, minimum width is 100mm, used to prepare films with maximum width not exceeding 300mm.

The temperature of the cold roller is controlled by a special water heating and cooling circulation system, up to 120 °C.

Cold roller temperature control can also choose oil heating and cooling temperature control, up to 170 °C.

All internal parts of the die are chrome plated and mirror polished to effectively prevent dead angles.

The rubber clamping roller is equipped with tension control (including tension measuring roller), winding tension and winding diameter indication.

TFT LCD touch screen for operation, all parameters are displayed on the screen and can be stored and invoked.

The quantity of cooling rollers 2 or 3 is made of high-grade tool steel, after precision grinding, mirror polishing and chrome plating, hardness HRC60, surface gloss 2-4RMS.

The middle roller of the cooling roller can be an embossing roller, in which case the upper pressing roller is a silicone rubber covered rubber roller.

Three cooling rolls of specific model can be switched in three positions - horizontal, 45 degree angle tilt, vertical to adapt to different processes.

The common type of upper pressing roller is pneumatically driven, with auxiliary cooling; the specific type of upper pressing roller is hydraulically driven, with rolling process available to produce thick sheet.

All drive motors are adjustable speed AC variable frequency motors or servo motors (varies by model).

Perfect safety protection configuration, in accordance with CE safety standards.

多种辅助选件可供选择：

全电脑液晶触摸屏控制，挤出参数可保存及输出

双工位手动换网器，便 于不停机更换滤网

高性能多层共挤喂料模块，最多9层

敏感材料共挤喂料模块，适用PC、TPU、TPE、PEEk

薄膜定边装置，优化薄膜着辊冷却工艺

失重式喂料系统，精准挤出量及配方控制

齿轮泵精确熔体输送，精准挤出量及配方控制

模温机可选最高250°C，可选配多个模温机

废边分切及收卷装置，或者废边收集装置

自动纠偏装置，带超声波/激光探头定位

无纸芯气涨收卷，方便小规模试验

气胀收卷轴，标配3寸轴，兼顾收卷品质及效率

1站/2站式全自动表面/中心收卷

全自动张力控制，提高收卷稳定性

可选配多个恒张力放卷站，实现热压复合

双面电晕处理，电压功率可调

Various auxiliary options are available:

Full computer LCD touch screen control, extrusion parameters can be saved and output

Double-station manual screen changer makes it easy to replace the screen without stopping

High-performance multi-layer co-extrusion feed module, up to 9 layers

Sensitive material co-extrusion feeding module, suitable for PC、TPU、TPE、PEEK

Film edge fixing device, optimize film roll cooling process

Loss-in-weight feeding system, precise extrusion and formula control

Gear pump precise melt delivery, precise extrusion quantity and formulation control

The mold temperature machine can be selected up to 250 °C, and multiple mold temperature machines can be selected

Waste edge cutting and winding device, or waste edge collection device

Automatic deviation correction device with ultrasonic/laser probe positioning

Paperless core air expansion and rewinding, convenient for small-scale test

Inflatable rewinding shaft, standard 3 inch shaft, taking into account the winding quality and efficiency

1 station / 2 station automatic surface / center winding

Fully automatic tension control to improve winding stability

Optional multiple constant tension unwinding stations to achieve hot-press compounding

Double-sided corona treatment, adjustable voltage and power


片材模头 Sheet die


片材挤出 Sheet extrusion


废边裁切 Scrap cutting


张力无纸芯收圈
Tension coreless winding

实验室挤出吹瓶机采用挤出吹塑工艺生产小型中空容器，可用于评估相关树脂原料的性能如色母料应用于最终产品后颜料的分散情况。

The laboratory extrusion blow molding machine uses extrusion blow molding technology to produce small hollow containers, which can be used to evaluate the performance of related resin raw materials such as the dispersion of pigments after the masterbatch is applied to the final product.

适用于LDPE、HDPE、PP、PS、PVC等材料

吹制的塑料瓶容积不超过250毫升

可连接16mm、20mm或25mm直径单螺杆挤出机

标准瓶体轮廓为一面圆形一面方形，其他可选

瓶体刻印Logo可以根据客户设计方案

有全自动、半自动、手动等多种操作模式

瓶坯热切刀片获得快速完美的切割过程

额外瓶体加持装置保证最充分的瓶体冷却定型

柔性控制面板集成操作按钮，简洁易用

机器前门为透明树脂玻璃材质，带安全互锁

Suitable for LDPE、HDPE、PP、PS、PVC and other materials

The volume of blown plastic bottle shall not exceed 250ml

Single screw extruder with diameter of 16mm、20 mm or 25 mm can be connected

The standard bottle is round on one side and square on the other side. Other options are available

Logo on bottle body can be designed according to customer's plan

There are full-automatic, semi-automatic, manual and other operation modes

Rapid and perfect cutting process of bottle blank hot cutting blade

Additional bottle holding device ensures the most adequate cooling and setting of the bottle

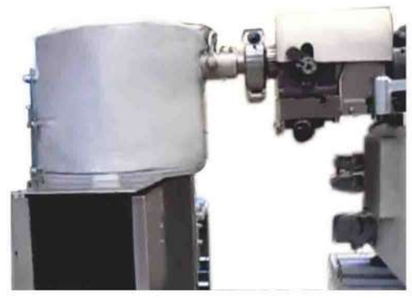
Flexible control panel integrated operation button, simple and easy to use

The front door of the machine is made of transparent resin glass with safety interlock

本机器用于PE、PP、PA、PET、PPS、PVDF等聚合物的纺丝性能测试和研究。可用于LOY、POY和FDY，模拟所有可能形式的长丝生产。

This machine is used to test and research the spinning performance of polymers such as PE、PP、PA、PET、PPS、PVDF and so on. It can be used for LOY、POY and FDY, simulating all possible forms of filament production.

优化和颜色匹配	Optimization and color matching
颜料研发	Pigment R & D
聚合物和添加剂开发	Polymer and additive development
纤维开发	Fiber development
少量样品或更深入的测试	Small samples or more in-depth testing



转矩流变仪是研究材料的流动、塑化、热剪切稳定性的理想设备，可广泛地应用于科研和生产，是进行科学研究以及指导生产的重要仪器。转矩流变仪提供了更接近于实际加工的动态测量方法，可以在类似实际加工的情况下，连续、准确、可靠地对材料的流变性能进行测定，例如多组份的混合、热塑性树脂的交联、弹性体的硫化，材料的动态稳定性以及螺杆转速对体系加工性能的影响等。

Torque rheometer is an ideal equipment to study the flow, plasticization and thermal shear stability of materials. It can be widely used in scientific research and production. It is an important instrument for scientific research and production guidance.The torque rheometer provides a dynamic measurement method that is closer to the actual processing. It can continuously, accurately and reliably measure the rheological properties of the material under the conditions of actual processing, such as multi-component mixing, thermoplastic resin cross-linking, vulcanization of elastomers, dynamic stability of the material, and the effect of screw speed on the processing performance of the system.

质量控制和原材料检测；
Quality control and testing of raw materials;

产品开发和配方优化；
Product development and recipe optimization;

共混料的流变特性测试；
Measurement of the rheological properties of blends and compounds;

教学科研应用。
Applications in the field of teaching and research.

Roller

用于混合热塑性材料，如聚烯烃、聚氯乙烯、工程塑料等。

It is usually used in mixing thermoplastic materials, for example: PO、PVC、Engineering plastics, etc.

Banbury

用于混合热塑弹性体，橡胶行业中应用更为普遍。

It is usually used in mixing thermoplastic elastomer and rubber material.

Dilta

用于热固性材料的混合和交联。

It is usually used in mixing and cross-linking thermoset polymer.

Cam

用于混炼热塑性、陶瓷复合物、食品等粘稠高扭矩的物料。

It is usually used in mixing thermoplastic polymer, ceramic composites,food and other high-torque materials.

Sigma

用于食品、药品和塑料溶胶等扭矩较小物料的混合。

It is usually used in mixing food,medicine and plastisol materials which have low-torque.

实验室单螺杆挤出机由测控主机和单螺杆挤出平台组成，根据加工物料的不同多种结构、直径、长径比、压缩比的螺杆可选，在实验室环境下进行多中功能性实验。配不同模具及其他辅机设备可实现模拟挤条、挤片、挤管、压延、吹膜等加工过程，从而评价物料的加工性能以及优化加工工艺参数。

Laboratory Single Screw Extruder can be integrated by main unit and single screw extrusion unit.The screw with different structure,diameter,length-diameter radio and compress ratio can be chosen depending on the sample material.Integrating different extruding dies and other auxlliary equipment,the system could simulate many functional experiments in the laboratory.

配以毛细管模具，挤出系统可以像其他毛细管流变仪一样测定一定范围内剪切速率下的熔体粘度，用挤出机测量熔体压力的优点是更真实地模仿了材料的挤出过程。通过改变挤出机转速和更换不同长径比模芯，获得不同转速下的熔体流量和入口压力，并通过软件（HPVisco1.2）进行口模校正和非线性校正，可获得剪切速率和粘度的关系。

Equipped with capillary dies,the extrusion unit could be used to measure the melt viscosity over a usual shear rate range.This so called extruding capillary Rheometer could obtain the viscosity information closed to extruding process. The melt flow and die pressure can be obtained under different rotation speed,by changing the screw speed and die cores with different length-diameter ratio,the relation between shear rate and melt viscosity can be calculated with software after dies entrance pressure calibration and nonlinear calibration.

毛细管模具
Capillary Die

平膜模具
Flat Die

线缆包覆模具
Coating Die

流延膜模具
Film Casting Die

吹膜模具
Film Blowing Die

挤管模具
Pipe Die

卧式结构，操作容易。

适合微型注塑和无镜件产品。

精确度高，重复性好。

故障自动显示，维修轻松容易。

计算机程序节能变量泵自动控制合模—注射—保压—预塑—冷却—开模—顶出制品。

PLC程序彩色触摸屏，人机界面中英文操作系统，可显示和控制位置、压力、速度、温度、时间等所有的射出参数。

Easy operation, compact structure and good repeatability.

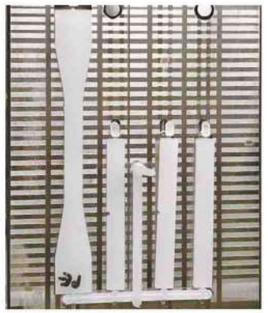
Suitable for micro injection molding and products without mirrors.

High accuracy and good repeatability.

Automatic fault display and easy maintenance.

Computer programming variable pump energy-saving control clamping—injection—packing—preplasticizing—cooling—opening ould—eject products.

Color touch screen of PLC program, man-machine interface operating system which can display and set all injection parameters such as position, pressure, speed, temperature, time and so on.



BP-8177-AT

BP-8177-B

螺杆直径16、20、25、30可选，长径比为10~30倍可选。

螺杆和料筒材料选用40CrNiMo铬钼合金特种工具钢，经氮化、调质、镀铬和超精衍磨处理，坚硬抗磨，极耐腐蚀。

双螺杆采用积木式组合，包括螺纹输送组合块、捏炼组合块、剪切组合块、返炼组合块等，这些不同错角和不同宽度的捏合块组成的螺杆组件，可满足多种物料生产所需的不同剪切力和混炼效果，并且可根据任何物料进行工艺排定组合。

双螺杆组件组合在高速旋转时具有相互清理等自洁功能，减少了实验过程中物料的浪费和清理清洁时间。

料筒加热采用铸铝加热器，安装简单维护方便，加热时间短、热效率高，每区独立的加热装置可确保温度达到需要，料筒冷却采用软水循环冷却，每区配置独立螺旋阀流量控制装置，冷却效果良好。

主机传动箱与扭矩分配器整合一体，结构紧凑、运转平稳、扭矩力大，可适合任何高剪切率的动力的输出。

机头配备快速转换夹环和高精度熔体温度及压力传感器，侦测机头压力温度准确可靠，联锁联控智能控制系统，可自动报警和自动控制主机运行和停机。

PLC可编程序液晶触摸控制屏，人机界面中英文操作方式，所有参数均可任意控制和显示，挤压进程更动态显示和监视，软件界面图形直观，备有USB数据输出接口，易于输入和打印。

The screw diameters are 16、20、25、30 (optional), and the length diameter ratio is 10~30 times can be optional.

The material of the screw and the charging barrel is 40CrNiMo special tool steel which is hard & wear resistant and has been processed through nitriding, tempering, chromeplate and super-precision grinding.

The twin screw adopts the compound mode of building block, including the conveying building block of screw thread, kneading building block, shear building block and remilling etc. The screw suite consisting of these kneading blocks of different alternate angles and width can meet different shearing forces and mixing effects required by multi materials production and can carry out the craft scheduled combination in accordance with any material.

The twin screw component combination has the self clean function like mutual cleaning up etc. at high-speed rotating, reducing material wastes during the experimental process and saving clean-up time.

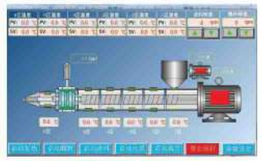
The charging barrel is heated by the cast copper heater which is simply maintained and easily installed and costs little heating time & high heat rate, ensuring the required temperature. The charging barrel adopts soft water circulation cooling with a good cooling effect.

The host machine transmission box and torque divider are put into one of tight structure, steady operation and large torque, appropriate for any output of power of high shear rate.

The handpiece is equipped with a quick converter and a high precision melt temperature & pressure transducer, the pressure of the detecting handpiece being accurate and reliable. The interlock joint control intelligent pressure control system has the function of automatic alarm and automatically-controlled stop.

PLC programmable color touch screen, man-machine interface operation system, can dynamically display and monitor extrusion process, including temperature control, driving, pressure, interlocking spreading function. The software interface is intuitive and has a USB data output interface, which is easy to input and print.

螺杆直径16、20、25、30可选，长径比为10~30倍可选。
长径比L/D有32、40、44、48、52及60倍可选。
针对粉末涂料的16毫米24L/D双螺杆。
机筒为可剖分“蚌壳式”设计，方便打开清洁或观察。
螺杆套件为“积木式”自由组合方式。
机筒、螺杆材质为高等级工具钢（其他材质可选）。
机筒分区带电加热及水冷却（16mm型号为风冷）。
体积式喂料料斗，单螺杆式或双螺杆式强制喂料可选。
失重式喂料系统可选配。
柔性控制面板保证在各个角度都方便观测。
料斗上方观察镜方便在远处观测料斗内料位。
各个温控区温度显示及控制装置。
熔体压力测量及显示装置。
标准单独排气及可选额外排气装置。
可连接侧向喂料器，配置玻纤口、液体注入口等额外开口。
可选择LCD计算式电脑控制，包括所有参数设置及储存。
可连接水浴、切粒机组成实验室造粒线。
可连接其他下游设备组成流延膜线、吹膜线、吹瓶机等。



The screw diameters are 16、20、25、30 (optional), and the length diameter ratio is 10~30 times can be optional.
L / D length ratio is 32、40、44、48、52 and 60 times optional.
16mm 24L / D twin screw for powder coating.
The barrel is a "clamshell" design that can be split, easy to open for cleaning or observation.
Screw elements are a "block-style" free combination.
The barrel and screw are made of high-grade tool steel (other materials are optional).
Electric heating and water cooling of the barrel section (16mm model is air-cooled).
Volumetric feeding hopper, single screw type or twin screw type forced feeding optional.
Optional weightless feeding system.
Flexible control panel ensures convenient observation at all angles.
The observation mirror above the hopper is convenient to observe the material level in the hopper from a distance.
Temperature display and control device in each temperature control zone.
Melt pressure measurement and display device.
Standard single exhaust and optional additional exhaust.
Can be connected to the side feeder, equipped with glass fiber port,liquid injection port and other additional openings.
Optional LCD computer control, including all parameter settings and storage.
It can be connected to water bath and pelletizer to form a laboratory pelletizing line.
Can be connected to other downstream equipment to form casting film line, film blowing line, bottle blowing machine, etc.

矢量多组份喂料 Vector multicomponent feeding

本机采用先进的混合式步进电机，并配合专用PLC触摸控制器可精确地计量色母及添加剂的添加比例。可以同时向主料添加1-2组辅料；可以与各类成型机信号做连接进而同步运转，保证成型产品性能一致性。

This machine adopts advanced hybrid stepping motor, and with special PLC touch controller, it can accurately measure the proportion of color masterbatch and additives. 1-2 groups of auxiliary materials can be added to the main material at the same time; it can be connected with all kinds of molding machine signals and run synchronously to ensure the performance consistency of molding products.

侧喂料 Side feeding

侧喂料系统，是用于双螺杆填充、增强造粒时添加玻纤、滑石粉、碳酸钙等无机材料。由计量喂料机向侧喂料定量加料，再通过侧喂料机强制送入双螺杆主机。

The side feeding system is used to add glass fiber, talcum powder, calcium carbonate and other inorganic materials when twin-screw filling and strengthening granulation. Quantitative feeding from metering feeder to side feeding The feed is then forced into the twin-screw host through the side feeder.

水下造粒 Underwater granulation

双螺杆水下造粒方式可优化粒子形状，且表面光滑均匀，颗粒密度高，流动性好。

The twin screw underwater granulation method can optimize the particle shape, smooth and uniform surface, high particle density and good fluidity.

热切造粒 Hot granulation

本机适用于食品医用级材料和某些较软材质（如PVC）而不粘附模头的热切造粒。

This machine is suitable for the hot granulation of food and medical grade materials and some soft materials (such as PVC) without adhering to the die head.

BP-8177-ZB 实验用双螺杆挤出造粒机组
LABORATORY TWIN SCREW EXTRUSION GRANULATOR
宝品科技 BAOPIN

全不锈钢材质水槽
All stainless steel sink

水槽材质：304不锈钢浴槽
Sink material: 304 stainless steel bath

挂丝架具：4组导引辊轮组合，可调节吃水深度和距离
Wire hanger: 4 sets of guide roller combination, adjustable draft and distance

风　　机：0.15kw静音吹干风机
Fan: 0.15kw silent blow dry fan

水位控制：不锈钢水位控制阀门
Water level control: stainless steel water level control valve

体　　积：1000×260×800(W×D×H) mm
Volume: 1000 × 260 × 800 (W × D × H) mm

重　　量：28Kg
Weight: 28Kg

切粒机 Pelletizer

切粒条数：3根

切粒长度：1～3mm刀具间隙可调

牵引速度：1～30m/min变频可调

切粒速度：1～35Kg/h可调

切刀材质：高速合金钢

电　　机：0.75KW精密调速电机

电　　源：3∮，AC380V，10A

体　　积：450×430×850（W×D×H）mm

重　　量：125Kg

Number of slivers of pelletizer: 3
Cutting length: 1-3mm, adjustable tool clearance
Traction speed: 1-30m / min, variable frequency and adjustable
Cutting speed: 1-35kg / h adjustable
Cutter material: high speed alloy steel
Motor: 0.75KW precision speed regulating motor
Power supply: 3 ∮, AC380V, 10A
Volume: 450 × 430 × 850 (W × D ×H) mm
Weight: 125kg

用于塑料粒料、粉料和干混料及其色母颜料的高速混合，本机可无级调速，内筒易于清洁。

It is used for high-speed mixing of plastic granule, powder, dry mixture and color masterbatch. The machine can adjust speed steplessly and the inner cylinder is easy to clean.

总 容 积：3L～5L
Mixing chamber volume: 3L～5L

加热方式：电加热
Heating method: Electric heating

加热功率：2KW
Heating power:2KW

混合时间：6-10分钟/锅
Mixing time:6-10 min/ time

搅拌浆数：2个
Stird:Blade:2 pieces of intersection

搅拌浆最高转速：2500rpm变频调速
Max speed:2500rpm frequency control

电机功率：3KW
Motor power:3KW

电　压：3∮，AC380V，50HZ三相五线
Power:3∮，AC380V，50HZ, three phase and five line

总 容 积：10L
Mixing chamber volume:10L

加热方式：电加热
Heating method: Electric heating

加热功率：2KW
Heating power:2KW

混合时间：6-10分钟/锅
Mixing time:6-10 min/ time

搅拌浆数：2个
Stird:Blade:2 pieces of intersection

搅拌浆最高转速：2500rpm变频调速
Max speed:2500rpm frequency control

电机功率：3KW
Motor power:3KW

电　压：3∮，AC380V，50HZ三相五线
Power:3∮，AC380V，50HZ, three phase and five line

BP-8164-A

BP-8164-B

BP-8164-C

全彩色触摸屏，中英文双语操作界面，仪器结构紧凑美观，控制系统稳定可靠。

控制软件可实现参数的设定，恒温、切料、计量、校准、自动加载砝码、定时、结果显示、熔体密度计算，试验结束后可以进行数据的查询和打印。

升温速度快，起调量小，恒温精度高，在填料后，能迅速的恢复恒温状态，具有上限温度保护，恒温提示，回复声音提示功能。

软件系统具有试验参数储存功能，能存储质量法和体积法多组试验参数，一机多能，计时、切料、加载结果打印自动化。

This machine has a full color touch screen, the bilingual operation interface with a tight & attractive structure and a steady & reliable control system.

The control software can realize parameter setting, constant temperature, cutting, measurement, calibration, auto loading weights, timing, result display and melt density calculation. Data can be inquired and printed after finishing test.

It has a fast heating-up speed, low starting value and high precision of constant temperature. It can rapidly restore to the constant temperature state after adding materials. It has temperature upper protection, promptings of constant temperature and restoring sound.

The software system has the function of storing test parameters and can store multi-group of test parameters like quality method and volume method. One machine has multiple functions: timing, cutting, auto-printing loading result.

符合标准 Complied Standards

ASTM-D1238：热塑性塑料熔体流动速率的标准测试方法
ASTM-D1238：Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer

ISO-1133：热塑性塑料熔体质量流动速率(MFR)和熔体体积流动速率(MVR)的测定
ISO-1133:Determination of the Melt Mass-flow Rate (MFR) and Melt Volume-flow Rate(MVR) of thermoplastics

GB/T3682：热塑性塑料熔体质量流动速率和熔体体积流动速率的测定
GB/T3682:Detrmination of Melt Mass-flow Rate and Melt Volume-flow Rate of thermoplastics