



POLYMER MODIFIED BITUMEN PLANT

I. PRODUCT:

Model	PMB-20
Material	SBS、 Polymer
Capacity	20-25T/h
Grinding Fineness	<10μm85%
Power	≅ 200KW
Weight	23tons

II.Product Details

Brief Introduction

PMB plant is our company's rich experience in the manufacture of asphalt heating equipment, rubber asphalt equipment and SBS modified asphalt equipment. After careful design and repeated improvement, the most advanced technology and the most stable performance. product.



The equipment can stir the matrix asphalt, rubber powder, SBS particles, additives and the like through high-speed shearing and grinding of the shear mill, so that the modifier is fully dispersed into the matrix asphalt by chemical and physical action, and the matrix is completed. Modification of asphalt.

Main features

1. The PMB plant adopts the overall mobile structure. It is mainly suitable for the production of modified asphalt on site, and has the superiority of the overall transportation conditions of the automobile. It can also be directly connected with the asphalt mixing equipment for on-site modification, on-site mixing processing, and the factory-produced equipment can be directly moved to the construction site.
2. The equipment batching tank is equipped with the heater and strong composite frame type stirring device independently developed by our company. It can stir and mix the asphalt and modifier while heating, so that the modifier is evenly dispersed into the asphalt. After being swollen, it is transferred to a shear mill. The



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shearing mill adopts the most advanced international technology to combine high-speed shearing and grinding. After one shearing and grinding, the minimum particle size of the material can reach 2-5 μ m, and its efficiency far exceeds that of similar products. The stator with high strength is selected. The rotor has good wear resistance and corrosion resistance, and can maintain a small stable gap to ensure stability and durability.

3. The electrical control box adopts high-quality supporting electrical components to greatly improve the running stability of the equipment. This equipment adopts the self-developed PLC running system, equipped with color human-machine dialogue touch screen, which can display and automatically control the temperature in the production process. , flow, liquid level. The operation interface is intuitive, simple and easy to understand, with high automation, reduced labor, high production efficiency and low failure rate.

4. Equipment composition: There are mainly batching tanks (including insulation layer), transfer tanks, heat transfer oil coil heaters, mixing units, matrix asphalt pumps, asphalt transfer pumps, finished asphalt pumps, shear mills, SBS feeders, Asphalt temperature display, asphalt liquid level display, flow meter, electric valve, pipeline and asphalt pump preheating system, ladder, power distribution control cabinet, control room.

Main Technical Data

Name	Details	Description	Remark
Milling Fineness	μ m	85%	
Mixing Tank	m ³	7	
Mixing		Compound frame stirring	
Flow rate of basic bitumen	m ³ /h	38	
Heat transfer area of heat exchanger	m ²	150	Spiral plate
Installation power	kw	≈103KW	
Voltage		380v/50hz	Cable wire > 65mm ²
Heating		Thermal oil	
Pressure resistance of heater	MPa	0.6	
Operating temperature of thermal oil	°C	200-240	
Temperature range	°C	-200~450	
Thermometric error	°C	<1°C	
Liquid level measurement error	cm	<1	
Flow measurement error	L	<1	

Main Configuration

A 55Kw modified asphalt shear mill

Three sets of 7.5kw planetary cycloid gear reducer and agitator

A set of 5.5kw inclined spiral conveyor

11KW YCB circular gear pump 2 sets

7.5KW LC rotor base asphalt pump 1 set

3KW rubber oil adding pump 1 set

Two sets of swelling tanks for asphalt batching

A set of semi-finished transit tanks

The spiral plate heat exchanger 1 150 m²

One elliptical gear pitch flowmeter

One elliptical gear rubber oil or additive flowmeter

3 pressure sensing liquid level meters

Electric thermal oil valve 3, electric asphalt valve 5, manual valve more than

Skq-01 control system 1 set

One control room

