

## I、SXJ-15-10L: Vacuum Double planetary mixer



1、specification:	
1-1name and type	A. High Viscosity vacuum double planetary mixer B. Type:SXJ-15-10L(1.5kw/4p-1.5KW/4P) 380V 3P 50HZ
1-2basic structure	A. hydraulic lift and down tank ; B. double mixer +scraper+disperser (optional)
1-3)Tank (pot)	A、: Dia.300mm×200mm; B、 design volume: 15L working volume 10L (hold scale:0.3-0.7)
	A.inner layer material:SUS304 ; out layer material:SUS304
	B、 inner layer mirror polish after lathe , Ensure the good roundness
	C、; it is sealed with seal for the tank and lid
	D、; the pot has one jacket, it can be heat or cool by heat-conducting medium (optional) E、 there are four wheels at tank bottom
1-4tank cap	A、 Material:SUS304 B、 One Φ50 small hopper for adding powder and liquid with turn on/off; One light; two glass windows(one for light, the other for inspection windows) Vacuum meters, other necessary connectors
1-5 mixing principle	Double mixing bade with small gap design, no dead angle Low-speed paddle strong interference kneading motion and up and down / left and right circular motion, ensure that the material fully dispersed, homogeneous and mixed
1-6-1 Revolution /mix motor and Inverter , reducer	A.quantity: one set B. Motor power: 1.5KW/4P; C. Inverter 1.5KW D. Cycloid reducer, reduction ratio appr. I=40.26 Using the coefficient fa=1.55
1-6-2a Planetary paddle revolution speed	Speed:0-48rpm , adjust.
1-6-2b Scraper (optional)	QTY.:one group, material : SUS304 and Teflon; speed: the same with revolution speed
1-7-1mixing paddle rotary speed	Speed: 0-100rpm, adjust.



1-7-2mixing paddle	A. Material:SUS304; B. Quantity: two group	
1-7-3mixing paddle style	A. straight frame B. twist paddle	
1-8-1 disperse motor (optional)	A. Quantity: one set ; B. Motor power: 1.5KW/4P; C.1.5KW frequency converter (inverter)	
1-8-2disperser speed(rotation)(optional)	<b>A. Speed:0-4350rpm, adjust; B line speed:0-16m/s C. Revolution speed: the same as paddle</b>	
1-8-3disperser disk(optional)	<b>A.material:SUS304; B . Install one (or two) disperser on the same shaft to disperser well C. Disperser diameter:Φ60mm</b>	
1-9 lift system	A. hydraulic lift and down, power:0.25KW B. Stroke: ≤350	
1-10vacuum system	A. Mixing and disperser production process on vacuum condition; vacuum degree: ≤ -0.08Mpa Limited	
	B. Vacuum pump:rotary vane vacuum pump TZ-2A;Pumping rate: 2L/S (optional)	
	C. Install vacuum buffer tank and switch	
	D-1. Dynamic seas: mechanical seal; D-2 static seal: O ring	
	E. Keep up the pressure for 24 hours, Under that process or mixing process, no oil leakage into tank	
1-11position system	A. positioning adjustment and locking devices, can accurately locate the mixing tank and tank cap, and prevents rotation	
1-12 control box	A. Equipment operating switch, frequency control, temperature digital show and control , lighting, lifting, running emergency stop function display and operations are carried out in the distribution cabinet B. Disperser and mixing have timer function	
1-13Security operations	A. By limited stroke switch, with special designed control system, to ensure tank stop automatically when lift or down	
	B.In pot ascent, the device can not start running stirring dispersing section; Similarly, when the machine is running mix, can not make the barrel rise, not open mixing drum Mixing and disperser function can't work when lift and down; similarly,when the machine is running, can't rise and open the tank cap	
	C. Special desinged buffer tank, which can effectively prevent vacuum pump oil back into the mixing drum phenomenon	
1-14Temperature measurement methods	The temperature sensor install on inner layer, it is seperated from the jacket	
1-15Total power: 5KW + heating 8KW	Working voltage: three phase 380V	
1-16 Dimension(net): L1400xW1000xH1950	Weight:900KG approximately	

Item	Name	Spec	Brand and original
1	Mixing reducer and motor	1.5KW/I=40 1.5KW	Wuxi qipeng
2	Inverter	1.5KW mixer	Shenzhen wosen
3	Inverter	1.5KW disperser	Shenzhen wosen
4	Temperature sensor	Thermocouple(热电偶)	NSK
5	Reinforced seal (骨架密封)	/	Taiwan Dingji (wuxi)
6	Mechanical seal	/	Bogeman (shanghai)
7	Electrical parts		Delixi
8	Temperature meter		Shanghai/wuxi
9	Vacuum pump	TZ-4A (optional)	wuxi

**Above data for reference only, subject to practice please!**



## I-2、 Extrude machine YLJ-5 (1.5kw/4P):

(use range : viscosity  $\leq 1000,000\text{cP}$  (mPa.sCP) of material)

1、 Structure type	Machine structure is H type.		
2、 Extrude way	Use hydraulic cylinders to drive the press plate to press the material.		
3、 Press plate drive parts	Double acting cylinder: piston type $\Phi 63/D35 \times S240FA$ ; QTY: 1个 (set)。		
4、 Extrude disk	Size : $\Phi 300$ , <b>Match with mixing tank</b> ; Vent on the plate.		
5、 Oriented form	Guided by guide rod.		
6、 Locking method of mixing tank	Lock position		
7、 Discharge method	Bottom discharge。		
8、 Basic specification	9-1、 Hydraulic station motor power	9-2、 Pressure per unit area of pressure plate	9-3、 Oil pump flow and maximum output pressure
	$\leq 1.5\text{KW}/4\text{P}$	$19\text{kg}/\text{cm}^2$	Plunger 8L/min—21MPa/max.
	9-4、 Max, pressure	9-5、 System rated pressure	9-6、 Oil cooling area and accumulator
	8Ton	16MPa	$1\text{m}^2$ , Equipped with energy storage
9-1、 Wearing parts	A. Sealing ring $\Phi 10$ ; B. Material: silicone rubber; C. Quantity: 1 spare.		
9-2、 Use of wearing parts	Seal groove at the pressure plate.		
11、 Mixing barrel transfer method	1) Standard selection: hand-push type, direct manpower to push the mixing barrel to transfer between the host and the press.		
12、 Contry system	Power, emergency and action		
13、 Remarks	<b>Above data for reference only, subject to practice please!</b>		