

NO.1 Wood Chipping Machine

1. Name: Wood Chipping Machine
2. Model: SIT8-30
3. Cutter Diameter: 600mm
4. Rotation speed of the cutter: 1000rpm
5. Size of the finished product: <5mm
6. Feeding entrance size: 200*180mm
7. Max. sizes of the wood material:
8. Motor power: 22kw
Blower motor : 5.5kw
Total power : 27.5kw
9. Production capacity: 0.4-0.45t/h
10. Overall size: 1500*860*1180mm
11. Total weight: 600kg.





No. 2 Wood Milling machine SIT8-40

1. Main technical parameter:

1. Name: wood milling machine
2. Model: SIT8-40
3. Applicable material: Wood shavings, rice husk, broken desk and tables, furniture..
4. Moisture degree of the material: < 10%,
5. Granularity of the finished product: > 40 meshes
6. Production line capacity: 300-350 kg/h
7. Total power: 54.75 kw
Main motor : 45kw
Feed : 1.5kw
8. Power consumption: approx. 42kwh
9. Equipment area covering: 12m²

2. Equipment list

Item	Name	Model	Qty	Remark
1	Storage silo	0.3m3	1 unit	
2	dosing feeder		1 unit	1.5kw
3	Crusher	MFS-2	1 unit	45kw
4	Cyclone separator	CZT-590	1 unit	
5	Unloader	ZGF-10	1 unit	0.7kw
6	draught blower	9-19	1 unit	7.5 kw
7	hop-pocket dust collector	24 barrels	1 unit	
8	air duct		1set	
9	control system		1unit	



NO.3 High cooling Mixer SIT8 300/600

The port is made of 1Cr18Ni9Ti stainless steel, the inner side of the pot is extremely smooth and hard, it features abrasion-resistance, corrosion-resistance and non-sticking of material.

Pot cover material:	Cast Aluminum
High speed hot mixer volum	500L
Cool mixer volum:	1000L
Hot mixer valid volum:	375L
Cool mixer valid volum:	640L
Mixing blade number:	3 pcs
Mixing blade material:	3Cr13Ni9Ti
Hot mixer heating mode:	electrical heating and self-friction heating
Cool mixer cooling mode:	by water
Temperature controlling mode:	electronical control
Total power consumption	80.2 kw
Hot mixer double-speed motor, 1 set:	47/67KW
Cool mixer motor:	11kw
Feeder :	2.2kw
Mixing time:	≤10min/pot
Unloader material:	cast Aluminum
Unloader mode:	Pneumatic discharging

1- Production line capacity: 400KG/H

2 _Dimensions and sizes: 4100mm*2800mm*2900mm; Weight: 5400KGS



No.4. SIT8 700 Crusher, to recycle the bad products. With conveyer

Crusher with conveyer

Movable knife	6 pieces
Fixed Knife	4 pieces
Sieve mesh diameter:	Φ10mm
Large entrance of feeding:	800×400mm
Crushing granularity:	3-10mm
Output	400-600kg/h
Total power	26.5kw
Main motor	22 kw
Blower	3kw
Feed	1.5kw
Power supply:	3 Phase, 380V, 50HZ
Total weight:	1100kg
Total size:	1950×1285×1540mm
Reducer:	worm reducer 0.75KW
Conveyor mode:	by belt
Reducer:	worm reducer 0.75KW

1- Production line capacity: 300KG/H

2_Dimensions and sizes: 3500mm*1400mm*2030mm



No.5 SIT880/56A SITSZ80/156WPC PVC foam board extrusion line

General Information:

1. Machine Model: **SIT880/56A SITSZ80/156 WPC PVC foam board extrusion line**
2. Profile size: **As per the customer's requirement**
3. Production line capacity: **140kg/h**
4. total power : **68.7kw**

Feeder : **2.2kw**

1. Production line list

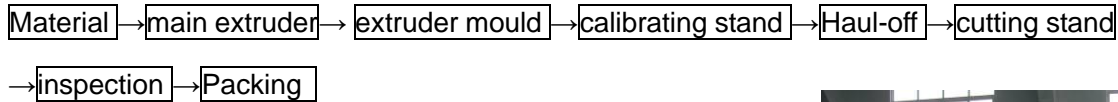
No	Name	Type	Qty	Remark
1.1	Twin screw extruder	SITSJSZ65x132	1set	1. Equipped with automatic loader 2. Main motor: 55KW
1.2	Electric controlling system		1set	1. ABB frequency inverter, 2. Schneider contactor, 3. Omron temperature controlling meter
1.3	Die head, mould			
1.4	Vacuum calibrating stand	SITSJP-5000mm	1unit	1.Vacuum pump:2.2kw * 1 unit 2. Water pump: 2.2KW * 1 unit
1.5	Haul-off	SITSLQ-160	1unit	1.Haul-off power: 2.2KW 2. ABB frequency inverter
1.6	Cutting machine	SITSQG-160	1unit	1.Cutting power: 2.2KW 2. Automatic cutting
1.7	Tilter stacker	SITSFZ-6000	1unit	

2. Description

No	Description	Parameter
2. 1	material used	PE/PP PE/PP +auxiliary material
2. 2	specification	made as per the customer's requirement

2. 3	line speed	0.5-1m/min
2. 4	Max. capacity	120-140kg/h
2. 5	outline diameter	19000×1500×2800 LxW×H
2. 6	weight(approx.)	8t
2. 7	Total installed power	75kw
2. 8	actual consumed power	45kw
2. 9	air consumed	0.2m ³ /min
2. 10	air pressure	0.5-0.6Mpa
2. 11	water circulation	0.4m ³ /min
2. 12	power supply	AC380V±10%50HZ
2. 13	water supply	Industrial water, no impurity, goes through filtration treatment, water pressure: 4mpa, water Temp. 14-25°C
2. 14	working temperature	0-40°C

3. Working process



4. Technical Parameters

4.1 SITSJSZ65×132 Conical twin screw extruder

Screw diameter:	∅ 65/∅ 132mm
Screw hardness:	HV>740
Barrel hardness:	HV>940
Screw barrel material:	38CrMoAlA nitridation treatment
Screw barrel:	nitridation layer thickness 0.4-0.7mm





Screw number:	2 pcs
Screw rotating direction:	different direction outside rotating
Berral heating	Cast aluminium heater
Heating power:	4 zones 26KW
Barrel cooling:	3 zones X 180 w
Material sending mode:	automatic forced conveying, power1.1kw
Max. Capacity:	250kg/h
Frequency conversion power:	37kw

Reducer, distribution box

The reducer and distribution box has goes through hard teeth surface, teeth grinding treatment.

Base structure:	horizontal installment
Cooling mode:	outside circulation cooling system
Imported thrust bearing:	high torque output
Gear material:	20CrMnTi carburization hard teeth surface, grinding treatment

The whole geer box is of low noise and heat.



4.2 Electrical controlling system

Temperature Controller:	adopts thermocouple ,Japan Omron, Intelligent temperature controller
Frequency inverter:	ABB Frequency inverter
AC contactor:	Siemens contactor, air-break switch is LG brand
Electric cabinet mode:	independent type
Materials:	medium carbon steel
Control panel:	consists of power indicator light, main machine ON/OFF switch, emergency stop switch, revolution meter, spin button, temperature controller, voltmeter, power switch

4.3 Die mould

The material is 45[#] goes through forging, tempering and surface quenching treatment, is has the advantages of abrasion-resistance and corrosion-resistance, high intensity and high precision, it has long service life.

Products specification:	made as per the customer's requirement
Die heating mode:	stainless steel heating band, 4 zones, 12 KW



4.4 SITSJP-5000 vacuum calibrating stand

Vacuum pump power:	5.5kw1unit
Pump power:	2.2kw
Electric drive pusher travel:	500mm
Regulating mode:	bolts three-dimension regulator
Water loops:	40 pcs
Water nozzle material	copper
Stand surface material:	stainless steel
Calibrating stand length:	5000mm

4.5 SITSLQ-160 haul-off

Hauling power:	2.2kw
Clamping mode:	pneumatic clamping
Frequency control:	A B B 2.2kw
Rubber type:	160 rubber block
Pneumatic clamping length:	1200mm



4.6 SITSQG-160 cutting machine

Cutting mode:	automatic length set cutting
Cutting power:	2.2 kw
Controlling mode:	pneumatic controlling

4.7 SITSFZ-6000 Tilt stacker

Length:	4000mm
Stand surface material	stainless steel
Discharging mode:	pneumatic discharging, with products collecting system



No.6 SIT880/56B SITSZ65/132 PVC WPC Profiles extrusion Line Equipment

General Information:

1. Machine Model: **SIT880/56B SITSZ65/132 PVC WPC Profile extrusion Line**
2. Profile size: **As per the customer's requirement**
3. Total installed power: **49.1 KW**

Main motor power : **37kw**

Feeder 1 : **1.5kw**

Feeder 2 : **2.2kw**

Vacuum : **2.2kw**

4. Production line capacity: **140kg/h**
 1. Equipment List

Item	Name	Model	Qty	Remarks
1.1	Twin screw extruder	SITSJSZ80-156	1Unit	With automatic spring loader
1.2	Electrical control system		1Set	ABB Frequency Inverter. SIEMENS Contactor. Omron temperature controller
1.3	Mould	600mm	1 set	
1.4	Vacuum calibrating platform	SITSZD-6000	1Unit	
1.5	Crawler haul off	SITSLQ-600	1Unit	
1.6	Cutting unit	SITSQG-600	1Unit	
1.7	Tilt stacker	SITSFZ-6000	1Unit	



2. Description

Item	Description	Parameters
2. 1	Use material	PP, wood with Auxiliary material
2. 2	Recycling material	
2. 3	Production line speed	0.2-0.5m/min
2. 4	Max. output	300kg/h
2. 5	Overall dimensions	25.5x2.15x3 LxWxH
2. 6	Weight(Approx)	13T
2. 7	Gas consumption	0.2m ³ /min
2. 8	Air pressure	0.6mpa
2. 9	Water cycle	0.3m ³ /min
2. 10	Power	AC380V±10%,50HZ
2. 11	Water supply	Water used for industry, no impurities, by filtrating, water pressure: 0.4mpa water temperature 14~25
2. 12	Work environment temperature	0-40°C



4. Technical parameters

4.1 SITSJSZ80/156 Conical Twin Screw Extruder

Model:	Φ80/Φ156mm vacuum venting type conical twin screw extruder
Screw quantity:	2 pcs, Screw dia. small end Φ80mm, large end: Φ156mm, mix-smelting structure
Screw L/D ratio:	22:1
Screw rotate direction:	Synchronous reverse direction outer rotating
Screw hardness:	HV>740~940. Nitriding layer depth: 0.3~0.6mm
Barrel hardness:	HV>940~1100, Nitriding layer depth: 0.4~0.7mm
Material of barrel and screw:	38CrMoAlA high quality alloy steel under nitriding treatment
Barrel heating:	Cast aluminum heater, the front 2 zones are equipped with water cooling pipe
Heating power:	37KW
Barrel cooling unit:	by fan, 550w×3
Vacuum venting unit:	water-ring vacuum pump: 4KW, with 1 vacuum tank, there is vacuum meter and degassing valve
Automatic loader:	Spring loader, the discharge silo is made of stainless steel
Power of loader:	1.5kw
Feeding unit:	Automatic dosing feeding, controlled by frequency inverter
Motor power:	2.2KW
Extrusion capacity:	300kg/h
Main motor power:	AC 55kw



Reducer and distributor

Installation type:	Horizontal type installation
Reducer organization unit:	adopted Italy technology for hard teeth surface bevel gear grinding treatment
Gear material of reducer:	20CrMnTi under nitridation and teeth grinding treatment, hardness: HRC58-62°
Material of distributor:	38CrMoALA under nitriding and teeth grinding treatment, axis is made of 40Cr
Material of gear:	20CrMoTi, under precision finishing, with forced lubricant cooling unit
Cooling mode:	use water cooling from condenser to cool gear oil
Drive force transmission:	Coupling structure, guarantees stable working
Imported thrust belling:	High torque output
Vacuum venting:	water-ring vacuum pump: 4KW, with 1 vacuum tank, there is vacuum meter and degassing valve
Protective unit:	The protective shell is A3 steel, heating shell of extruder is stainless steel
Machine frame structure:	Square steel by welding

3.2 Electrical control system

Temperature Controller:	adopts thermocouple ,Japan Omron, Intelligent temperature controller
Frequency inverter:	ABB Frequency inverter
AC contactor:	Siemens contactor, air-break switch is LG brand
Electric cabinet mode:	independent type
Materials:	medium carbon steel
Control panel:	consists of power indicator light, main machine ON/OFF switch, emergency stop switch, revolution meter, spin button, temperature controller, voltmeter, power switch



3.3 SITSZD-6000 Vacuum calibrating platform

Vacuum pump power	2.2kwx 1 unit
Water Pump power	4kw
Electrical putter travel	500mm
Adjusting type	3-dimension, by bolts
Nozzle material	Brass
Stand surface material	Stainless steel
Sizing stand length	6000 mm
Dry device power	1.1kw

3.4 SITS LQ-600 type Haul off

Hauling power	3kw
Clamping	Pneumatic clamping
Rubber pad model	Model 300, 2 groups
Clamping length available	2800mm
Frequency inverter	ABB Frequency inverter



3.5 SITSQG-600 type Cutting unit

Board size:	realize length set cutting, max. cutting width: 800mm
Board thickness:	3-20mm, the board is cut into square shape
Motor of cross cutting saw:	AC motor: 2.2KW
Cutting saw:	high quality alloy steel saw
Move type:	the cross move is chain wheel and straight line guide rail, motor: 1.5KW
Dust collector:	with 1 set dust collector
Motor of dust collector:	AC 2.2KW, high speed motor
Electrical control unit:	length counter signal control, both manually and automatic working.
Electrical control cabinet:	Independently type, uses medium carbon steel.
Cutting mode:	Automatic meter countering and cut
Meter counter:	encoder meter counter, Koran Autonics product, automatic work

3.6 SITSFZ-6000 Tilt stacker

Length	6000mm
Stand surface material	Stainless steel
Tilting:	Pneumatic control, with accumulating device



No. 7 WPC Pellets Line SIT800-56 SITSZP80/156

General Information:

1. Machine Model: **WPC Pellets Line SIT880-56A SITSZP80/156**

2. Final pellets size: **2.5-3.5mm.**

3. Total installed power: **60.1KW,**

Feeder 1 : 2.2kw

Feeder 2 : 2.2kw

Vibration motor : 0.75 kw

4. Production line capacity: **300kg/h**

Technical Details

1. Equipment List

Item	Name	Model	Qty	Remark
1.1	twin screw extruder	SITSZ80/156	1set	equipped with spring loader Main motor: 55KW
1.2	electric control system		1set	ABB frequency inverter; OMRON temperature controller; SIEMENS Contactor
1.3	die mould	SITSJM-Z80	1set	
1.4	Pelletizer		1set	
1.5	fan sending device	SITSFS-4000	1set	



2. technical data

Item	Instruction	Parameter
2.1	material	PE/PP + Wood powder + additives
2.2	granularity specification	3.5-4.5mm
2.3	max. output	300kg/h
2.4	outline size	13.1m× 1.7m×2.9m

2.5	weight	4.5T
2.6	total installed power	75kw
2.7	power actual consumed	55kw
2.8	air pressure	0.4-0.6Mpa
2.9	cycle water	0.28m ³ /min
2.10	power supply	AC,380V,50Hz
2.11	water supply	industrial water ,no impurity ,filtration treatment, water pressure: 0.3Mpa water temperature 14~25°C
2.12	working temperature	0-40°C

3. production flow





4. Technical parameters

4.1 SITS Z80/156 Conical Twin Screw Extruder

Model:	Φ80/Φ156mm vacuum venting type conical twin screw extruder
Screw quantity:	2 pcs, Screw dia. small end Φ80mm, large end: Φ156mm, mix-smelting structure
Screw L/D ratio:	22:1
Screw rotate direction:	Synchronous reverse direction outer rotating
Screw hardness:	HV>740~940. Nitriding layer depth: 0.3~0.6mm
Barrel hardness:	HV>940~1100, Nitriding layer depth: 0.4~0.7mm
Material of barrel and screw:	38CrMoAlA high quality alloy steel under nitriding treatment
Barrel heating:	Cast aluminum heater, the front 2 zones are equipped with water cooling pipe
Heating power:	32KW
Barrel cooling unit:	by fan, 550w×4
Vacuum venting unit:	water-ring vacuum pump: 4KW, with 1 vacuum tank, there is vacuum meter and degassing valve
Automatic loader:	Spring loader, the discharge silo is made of stainless steel
Power of loader:	1.5kw
Feeding unit:	Automatic dosing feeding, controlled by frequency inverter
Motor power:	2.2KW
Extrusion capacity:	300kg/h
Main motor power:	AC 55kw



Reducer and distributor

Installation type:	Horizontal type installation
Reducer organization unit: treatment	adopted Italy technology for hard teeth surface bevel gear grinding
Gear material of reducer: hardness: HRC58-62	20CrMnTi under nitridation and teeth grinding treatment
Material of distributor: of 40Cr	38CrMoALA under nitriding and teeth grinding treatment, axis is made of 40Cr
Material of gear:	20CrMoTi, under precision finishing, with forced lubricant cooling unit
Cooling mode:	use water cooling from condenser to cool gear oil
Drive force transmission:	Coupling structure, guarantees stable working
Imported thrust belling:	High torque output
Vacuum venting:	water-ring vacuum pump: 4KW, with 1 vacuum tank, there is vacuum meter and degassing valve
Protective unit:	The protective shell is A3 steel, heating shell of extruder is stainless steel
Machine frame structure:	Square steel by welding



4.2 Electric controlling system

Temperature Controller:	adopts thermocouple ,Japan Omron, Intelligent temperature controller
Frequency inverter:	ABB Frequency inverter
AC contactor:	Siemens contactor, air-break switch is LG brand
Electric cabinet mode:	independent type
Materials:	medium carbon steel
Control panel:	consists of power indicator light, main machine ON/OFF switch, emergency stop switch, revolution meter, spin button, temperature controller, voltmeter, power switch

4.3 SITSJM-Z80 DIE MOULD

Mould material:	high quality mould steel, the inner mould is under chrome plate treatment
Heating control zone	2 zones
Heating mode	stainless steel ring, 2.5kw

4.4 Pelletizer

Pelletizer motor power	1.1kw
Pelletizing speed control	ABB transducer
Pelletizing mode:	double blade pelletizing.

3-5mm, Pelletize length adjust length through adjusting speed



4.5 Fan sending device SITSFS-4000

Fan barrel material	stainless steel
Fan power	4kw, 2units
Fan type	low noise, centrifugal fan
Cooling mode	air cooling, fan sending granule
Cooling fan barrel length	4000mm, ensure enough cooling