



Quotation of WPC Profile Production Line

SELLER 		DATE 26/6/2022		NO. Es20220926
BUYER		SHIPPED FROM		TO
		SHIPPED BY SEA		PRICE VALID TIME 7 WorkDAYS
	Name	Qty	Unit Price	Total Price
1	SJMS-65/132 WPC profile production line (with one mould)	1 line	51500 USD	51500 USD
Total price: 51500 USD(FOB,China) Quotation validity: 7 days Voltage: 3P/380V/50HZ or as local				
				
<i>The following is the supporting machinery you need</i>				
2	3D On-line embossing device	1 set	12500 USD	12500 USD
3	PE WPC mixer	1 set	12600 USD	12600 USD
4	PP PE WPC granulating machine	1 set	58000 USD	58000 USD
5	Wood chipper	1 set	9300 USD	9300 USD
6	Wood powder making machine	1 set	26500 USD	26500 USD
7	Wood powder drying machine	1 set	25380 USD	25380 USD
8	Wood plastic crusher	1 set	3880 USD	3880 USD
9	WPC profile napping machine	1 set	11800 USD	11800 USD
10	20HP Chiller machine	1 set	12000 USD	12000 USD
11	30A Air compressor	1 set	10800 USD	10800 USD
If buy all machines and production line total cost FOB 234260 USD				

PART 1 SJMS65/132 WPC profile production line

Material	PE WPC granule
Production line speed	0.5-1.5m/min
Max. Output:	150-180Kg/h
Outline size	20×3.5×3 L×W×H (m)
Weight	12T
Total power	75kw
Actual energy consumption power	55kw
Air consumption	0.4m3/min
Air pressure	0.6mpa
Water cycle	0.5m3/min
Power	AC380V±10%,50HZ
Water supply	Industrial water, it's inclusion-free and under filtration treatment, pressure: 0.4Mpa ,temperature: 14-25°C
Working environment temperature	0-40°C

● 2 Specification of each unit

1 .Material Feeding device

Feeding type	Screw feeding
Driving motor	1.5kw
Feeding speed control	Auto type and manual type
Material of feeder tank	Stainless steel
Material of screw pipe	Stainless steel, the inner screw is fully welded

2. CX-65/132 conical twin screw extruder

Extruder standing table, made by high quality casting iron, surface polished and painted.
Frames are made by steel panel with riser vents,

2.1 Screw: Bimetallic screw

Material:38CrMoALA(From BaoSteel Group)

Bimetallic Material: Tungsten Carbide alloy

Bimetallic Alloy Brand:American Kennametal

Hardness After Hardening&Tempering: HB280-320

Nitrided Hardness: HRC55~58

Nitrided Case Depth: 0.45mm-0.7mm

Nitrided Brittleness: Less than Grade 2

Surface Roughness: Ra0.4um

Screw Straightness: 0.015mm

Bimetallic Hardness: HRC65

Bimetallic Depth: 2.5 mm	
Specification:	
Screw diameter	Φ 65/Φ 132mm
The quantity of screw	2 pieces
length and diameter rate	L/D: 22:1
Screw rotation	converse-direction, outside rotation
2.2 Barrel: with FULL SKD COATING	
Barrel hardness	HV>940
Material of barrel	38CrMoALA under nitrogen treatment
The depth of nitrogen layer	0.4-0.7mm
Barrel heating	Infrared heater with energy saving
Heating power	four sections ,total power : 20kw
Barrel cooling	fan cooling, three cooling zones, 180w*3
Exhaust type	vacuum exhausted
Vacuum pump	1.5kw
Material loading type	spiral auto
loader capacity	300kg/h
Screw barrel supporting and adjusting tool, made by high quality steel, hard chrome plating treatment for high hardness. Bolts are made by stainless steel.	
2.3 Hopper	
The power of main driving motor:	37Kw motor from Red Flag brand, controlled by Delta inverter
Working method of the main motor	Three-phase asynchronous motor, connected to the gearbox by coupler
The rotation speed of the main motor	30~1500r/min
The type of gearbox	Helical gears, hardened, from JIANGYIN
Gears	Carburized and ground; The material is 20CrMoTi
Distribution box	The two distribution axles are driven by super-taper spiral gear
Speed-adjusting method of the main motor	Governed by AC transducer exported from Delta company
2.4Gearbox	
Cooling	external circulating cooling system
bearings	Imported thrust bearings ,high torque output
Gear material	20CrMnTi carbonated, harden gear surface, teeth grinding.
Features	long service span and low noisy, Low heating generated gearbox.
2.5Vacuum exhausting system:	
Type	Monoblock and hydroseal vacuum pump
Motor power (kW)	4Kw
Working method of the motor	Three-phase asynchronous motor
Vacuum degree	0~-0.075Mpa
Quantity of vacuum pumps	One set

3 .SZD-6000 Vacuum calibrating platform

Vacuum	Vacuum pump power : 5.5kw*1set
Pump	Water pump power : 2.2kw
The travel of auto pushing pole	50mm
Adjustment mode	Three dimension adjusted by bolts
Material of nozzle	Brass
Material of surface stand	Stainless steel
The length of sizing stand	6000mm
Power of dry device	1.1kw

4. Haul off and cutting machine

Haul power	3 kw
Clamp mode	Pneumatic clamp
Frequency converter	Delta
Clamping pressure	0.8PMa
Pad material	Nbr
Pad No.	206
Rubber block model	240 type
Effective clamping length	2400mm
Cutting Motor power	2.2kw
Cutting type	Garden saw cutting
Saw blade material	Alloy saw blade
With glass window, prevent the sawdust come out to the air	
Control style : Imported PLC automatic control, travel switch measuring length	
Cutting dust suction device: 3kw motor	

5. SFZ-6000 profile unloading device

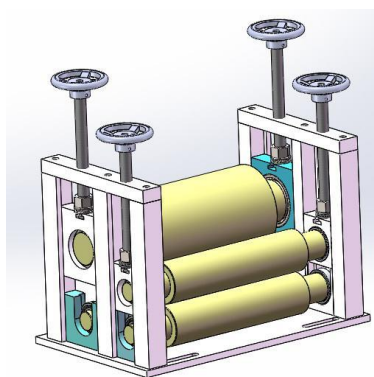
Length	6000mm
Stand surface material	Stainless steel
Material unloading device	Pneumatic control, with accumulating device

6. Electric applicant

- 1). Delta inverter
- 2). Siemens contactor
- 3). With moveable operation panel.
- 4). Red Flag motor
- 5). Taiyuan Yuanli Pump
- 6). Guomao brand vertical gearbox
- 7). cables:equipped cables for connection the machines to the electricity cabinet. The complete extrusion line electricity needs shall all connected to this cabinet.
- 8). heat ventilation of cabinet is designed with blowing fans:6 set


● PART 2

1.On-line embossing device



Embossing roller	Design: wooden grain design. Diameter: 150mm Length: 300mm Material: 45# Steel, with heating treatment to hardness= HRC46°,surface to be electroplate to hardness>HRC48°
Machine structure	Made by solid steel plate with chrome plate treatment,
Height adjustment	Up rollers is adjusted by hand wheel(embossing roller and one brushing roller), adjusting range 0-450mm. Bottom rollers are fixed With measurement for showing the distance between the two rollers, so the workers can adjust the embossing deepth easily.
Application	This unit is used for making online embossing for the WPC products, it shall be installed on the calibrating table before the calibrators. The embossing roller shall make wooden grain design on the product surface

2.SHL 500A Mixer

Function Mixing the wood powder, PE flakes and chemical material	
Model	SHR/L-500A
Pot material and component	1Cr18Ni9Ti stainless steel, with extremely smooth and hard of internal surface, wear-resistant, anticorrosion, and not easy to adhibit material characteristics.
Pot cover material	Casting Al
High-speed thermal mixer volume	500L
Number of stirring blade	3pcs
Material of stirring blade	3Cr13Ni9Ti
Thermal mixer heating mode	Electrical and self-friction heating
Temperature control:	Electronic automatic temperature control
Capacity	1000kg/h
Two-speed motor of thermal mixer 1 unit	47kw/67kw
Mixing time	6—12min
Discharging body material	Made of casting Al
Discharge	Pneumatic
	

3.PP PE WPC granulating machine

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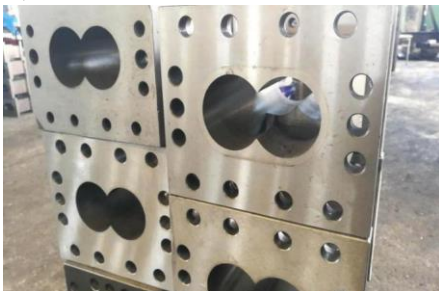
Screw, barrel, motor, gearbox:



SJMS-75 parallel double-screw extruder

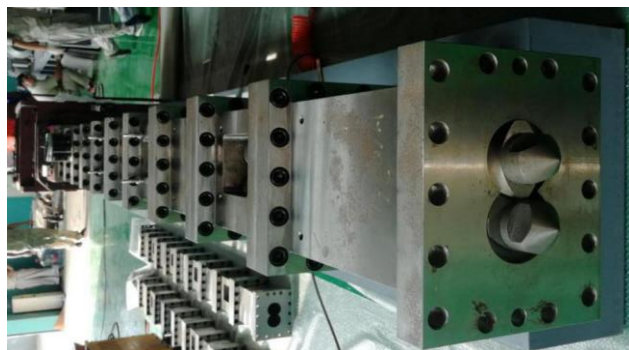


1, Structure and material of barrel



Structure	Length/pcs	Quantity	Material	Notes
One piece "8"	290mm	7 PCS	45# steel + a101 alloy	5 open PCS, 2 Closed PCS.
One piece "8"	340mm	1 PCS	45# steel + a101 alloy	For extrusion zone
One-piece "8" structure	290mm	2 PCS	45# steel + Cr26	Closed PCS for feeding zone
Total	2950mm	10 PCS		

2, Screw: parallel double screw



Structure: cardwood system with screw blocks

Diameter: 71.5mm

L/D: 40:1

Material: W6Mo5Cr4V2, processed by spheroidizing annealing treatment

Valid length: 2860mm

3, Central spindle:

Quantity: 2 PCS

Material: 40CrNiMoA

Valid Length: 2900mm

4, Spline housing:

Quantity: 2 PCS

Material: 40Cr

Extruder function structure

Bearing	Velocity ratio	i=3.75
	Output rotating speed	400rpm

	Central distance	52mm
	Transmission body case	cast iron and optimized assembly design of anti-noise
	Gear	High precision of 6-grade, and hard-tooth surface of high speed and heavy loading ability.
	Material of gear shaft	20CrNi2MoA, HRC58-62.
Shaft	among all the bearings ,two groups are thrusting bearings of series connection and others adopts Japanese "NSK" bearings	
Lubricating system	Inside transmission case the bearings	oil-immersion state
	Gear mesh and bearing	With compulsive shunt-circuit oil pressure lubricating.
	Lubricating and cooling unit	Type: adopts cooler of outlay-type
		Specification: 1.3m3.
	Lubricating oil pump	Type: BB-B10
		Power: 1.1kw lubricating oil: lubricating oil
Motor	The power of motor	90kw
	Controlling type	AC motor, frequency control
	Brand	British Euro frequency converter.
	Rotary speed	1500rpm.
Heating system And cooling system	Control system: automatic control for heating and cooling When the temperature reaches required temperature, the heating shall stop. When the temperature is higher than required temperature, the water cooling shall start automatically. When the temperature is lower than required temperature, the electricity heating shall start automatically.	
	Barrel cooling	independent circulating water cooling, water tank equipped for circulating the water, water pump: YuanLi brand from Taiwan, 1.5kw. The temperature of water in machine stably production shall be around 60-80 degree
	Barrel heating	Electricity heating with infrared heater, the heating temperature should be adjusted in the extruder control system. The barrel should be preheated to required temperature before you turn on the machine.

Feeding system



Feeding power: 2.2kw

Feeding type: double screw rotating feeding

Material of hopper: stainless steel

Material stir in hopper:

1.1 kw power, rotating screw inside.



Equipped with gas and dust suction system: made by stainless steel.

The suction fan and connection pipes for taking out the gas and dust is equipped: 3 kw



The auxiliary machinery

Three steps air cooling system



First fan cooling & supplying device	Motor power	3kw
	Material of supplying pipe	stainless steel
	Diameter of supplying pipe	100mm
	Material storage device	stainless steel
	The volume of storage device	1 CBM
Second fan cooling & supplying device	Motor power	3kw
	Material of supplying pipe	stainless steel
	Diameter of supplying pipe	100mm
	Material storage device	stainless steel
	The volume of storage device	1 CBM
Third fan cooling & supplying device	Motor power	2.2kw
	Material of supplying pipe	stainless steel
	Diameter of supplying pipe	100mm
	Material storage device	stainless steel
	The volume of storage device	1 CBM

Electric applicant:

- 1). Delta inverter
- 2). Siemens contactor
- 3). Movale operation panel
- 4). Red Flag motor
- 5). Taiyuan Yuanli Pump
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- 7). cables:equipped cables for connection the machines to the electricity cabinet. The complete extrusion line electricity needs shall all connected to this cabinet.
- 8). heat ventilation of cabinet is designed with blowing fans:6 sets

5.Wood chipper

Function : Cutting the wood brick into sawdust	
Model	CPS-30
Main motor	30 KW
Transmitting motor	2.2KW
Size of input	200*180mm
Rotating speed	600rpm
Max diameter of wood	200mm
Size of final wood	5mm
Capacity	5-6t/h
Size of machine	1900*1200*1500



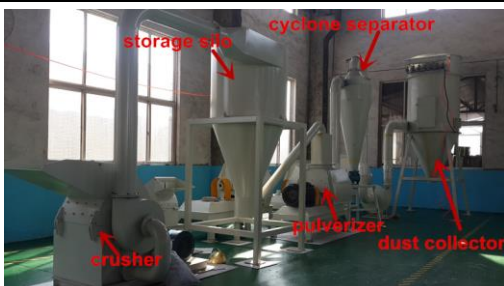
Before cutting



After cutting

6.Wood powder making machine

- 1,crusher: crush wood block into wood sawdust.
- 2, storage silo: store wood sawdust for pulverizer
- 3, pulverizer: pulverize the wood sawdust into powder
- 4,cyclone separator:separate the wood powder and dust
- 5,dust collector:clean dust



Model	JFS-60-50
Suitable material	Chipped wood, sawdust, husk, straw
The moisture of raw material	≤10%
The fineness of product	40-120 mesh
The capacity of product	300-500kg/h

6.1 Wood block Crusher



Usage	crush wood block into sawdust
Power	30kw
Feeding mouth	600mm diameter*350mm height
Sawdust transmission type	Linkage motor

6.2 Storage silo



Function	Store the sawdust after crushing
Silo size	Diameter 1200mm, height 2600mm (1100mm + 1500mm)

6.3 Wood sawdust pulverizer:




Feeding type	Feed from the top mouth
Transmission type	Shaft joint, direct connection
Motor rotating speed	2970r/min
Filtration system	With screen in the machine
Milling powder size	Adjustable by changing the sieve screen inside the miller
Power	45kw
Blade type	Hammer type
Discharging type	High quality steel



	Discharging type	From the pulverizer bottom pipeline
6.4 Cyclone separator		
	Function	separating wood powder and dust
	Size	700mm diamter,2000mm height
	Airlock rotary valve 0.75kw,1390r/min	
	Discharge mouth	Two,: one for wood powder, another for dust
	Centrifugal fan	7.5kw,2900r/min
6.5 Centrifugal fan		
	Centrifugal fan	7.5kw,2900r/min Rotating speed: 2900r/min Flow rate: 1610-3166m3/h
6.6 Dust collector		
	Dust collector method	Pulse solenoid valve
	Quantity of bags	39 bags, controlled by 7 switch
	Gas consumption	1.5--2m3/h
	Pulse dust collector	7 pieces switch
	Pulse dust collector controller	

7 - Wood powder drying machine

7.1 Feeding device for wood powder

	Feeding type	Screw feeding
	Driving motor	1.5kw

7.2 Double ladder extruder type Drying machine

 		
Upper screw Quantity: one screw Diameter: 240mm Length: 6m Material : 304 stainless steel Heating zones: five zones Power: 3kw*1 set	Lower screw: Quantity: one screw Diameter: 240mm Length: 5 Material : 304 stainless steel Heating zones: four zones Power: 3 kw*1 set	
Extruder heating	Heater type: electromagnetic heating Heating zones: 9 zones/extruder Heating power: 10kw*9zones=90kw/extruder	
Extruder cooling	Cooling type: water cooling	
Screw rotating power	3kw	
Water vapor exhausting	The extruder with 11 exhausting holes for water vapor	
Wood material convey	The wood material convey by screw rotating	
7.3 moisture suction collecting system:		



Power: 3 kw
Equipped for moisture and dust collection,
big cover on top of the dryer

8.Wood plastic crusher



Revolution diameter of rotating blade	360mm
Machine blade	5 sets
Revolve blade	3 sets
Fixed blade	2 sets
Screen plate hole size	10mm
Breaking degree	3-8mm
Blade material	Bearing steel forged, quenched and tempered
Middle and lower body	Alloy steel plate welding

9. WPC profile napping machine











The wpc profile napping machine is suitable for the napping treatment of
The wpc profile surface.The wpc profile after napping has the stronger stereoscopic effect,increased slip resistance and natural wood grain.It cannot be used to remove the irregularity of the profiles surface.

10. 10.20HP Chiller machine

11. 11.30A Air compressor

Spare parts for free

ITEM	NAME	QUANTITY	PHOTO
1	PU pipe (8mm,10mm,12mm)	10M per diameter	
2	PVC wire reinforced hose	20 M	
3	Thermoelectric couple	10 Pieces	
4	High-temperature wire	20M	
5	High-temperature plug	5 Pieces	
6	Rubber brick for haul off device	5 Pieces	
7	Air connection	10 Pieces	
8	Alloy blade for cutting device	1 Piece	

PART 3 Others

1 WARRANTY TERMS:

1. Warranty period : 12 months since the machines are installed in buyer's factory
2. Guarantee: Service and Spare parts, free-of-charge service throughout the entire equipment warranty period.

Warranty will provide to customer from Estawredly direct for easy communication and services

2 DELIVERY CONDITIONS

- 1.Delivery condition: FOB
- 2.Delivery term: within 70 working days after receipt of advanced payment

3 PAYMENT TERMS

40% of total amount should be paid by T/T as down payment , the balance (60% of total amount) should be paid before delivery by T/T or Irrevocable L/C.

4 INSPECTION

When the machinery finished , the seller will ask buyer to inspect machinery in seller's factory Inspection fees is 3000 dollars for 3 days work , Can also inspect when loading before shipping for each day 500 dollars

5 INSTALLATION AND EQUIPMENT COMMISSIONINGS

When the machinery arrived at buyer's factory, the seller will send two engineer install and test the line in buyer's factory .

The seller will pay the fee for visa getting , the buyer need to send the invitation letter to seller for visa getting (if possible) the buyer need to pay the air tickets (round trip) accommodation . Salary for each engineer USD 150 per day . it will cost about 2 weeks for machinery install and test .

Also need someone from Estawredly team from Egypt to attend and manager this event and provide to him Visa cost and invitation letter and Air tickets Round trip and accommodation to confirm the installing and agree and start the guarantee must arrive before engineers 5 days at least and leave after they leave one week to confirm the production line in total work

Perfect Service System

- 1.We will provide the Feasibility Analysis Report for the wood plastic project.
- 2.We will provide the model selection and technical parameter for wood-plastic machine.
- 3.We will provide the design for the plant and electric powder accounting for the facilities.
- 4.We will provide the design for wood plastic formula according to the product requirement.
- 5.We will provide the technology of wood plastic product surface treatment.
- 6.We will provide technique training for operator.
- 7.We will provide solution for the practical problem during the production.
- 8.We will provide turnkey project to customers.

Estawredly who guarantee the whole machine to customer with high priority in anytime



Contact US at Customer support center

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