Rigid Core Floor Conical Twin Screw Extrusion Machine

Part I Equipment Details

1. SPC Floor Extrusion Line
(Testing Video Link on YouTube : https://www.youtube.com/watch?v=aF_YVRhzOsg)
Processing Procedure: **Section A (Extrusion System):** Screw Conveyor from 5T Silo → Feeding into Hopper Loader → Extruder → Extrusion through T-Die into 4-roller Calender **Section B (Calender System):** Melt SPC from T-DIE → 4-roller Calender → 2-roller hot laminating roller(PVC film & Wear Layer) **Section C (Downstream System):** Cooling roller for Laminated SPC Floor sheet → Drawer → Cutter → Automatic Vacuum Sucker

ADD: HuaChang Road, Science and Technology Zone Zhangjiagang, Jiangsu, CHINA
Email: admin@starsplas.com Contact: Andy Fang Web: https://www.starsplas.com
TEL: +86 512 56303759 FAX: +86 512 58535268 WhatsApp/Cell: +86 18913613799

Item	Technical parameters
Extrusion System - Φ92/188 Extruder	
Color of machine	Can be customized
Power of Extrusion Line	180kw
Length of Extrusion Line	23.2m
Loading Hopper	
Feeding Power	1.5kw with VSD (variable speed drive) controller
Double screw feeder	Better Performance is Stable Feeding
Level Sensor	2pcs, Linked with Alarm
Screw	
Materials	38CrMoAlA
Diameter	92/188

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Effective length	2500mm
Quantity	2pcs
The rotation speed	1~35±3 rpm
Thickness of nitrided layer	0.4~0.7mm
Thickness of tungsten carbide coating	2mm
Barrel	
Material	38CrMoAlA
Barrel type	Two-section, front section inlay alloy
Heating zones	Six zones
Heating power	68kw
Temperature range	50~300℃
Cooling zones	Six zones
Adapter	Stainless steel 3Cr13, chromium plated, with inner convergent flow type
Cooling system	5X0.55Kw Blower fans
Cooling medium	Air
Thickness of nitrided layer	0.7~0.8mm
Thickness of tungsten carbide coating	2mm
Motor and Gearbox	
Main motor	110kw,
Gearbox	Helical gears: 20CrMoTi Bearing:NSK/NTN
PLC Electrical Control	
Motor VSD (variable speed drive)	ABB/SIEMENS
Main electric elements	Schneider
Vacuum exhausting system	
Type	Monoblock and hydroseal vacuum pump
Motor power (kW)	4
Working method of the motor	Three-phase asynchronous motor
Vacuum degree (Mpa)	0~-0.075
Quantity of vacuum pumps	1set
Extrusion T-Die Mould	
Width	1320mm
Thickness adjustable	2~6mm
Die Heater	9kw x 1, Temperature Range: 25~160℃
Four-roller Calender System	

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P.S.: The Photo is 3-roller , which is for reference only.

Roller Diameter	Φ450mm
Roller Length	1500mm
Chromium coating	0.08-0.12mm
Surface roughness	0.025μm
Bearing block	Integral forging materials
Roller Gap Controlling	Independent
Speed range(m/min)	0.2～2 m/min
Reducer power(kw)	0.75 kw
8.1 Roller Temperature Controller	

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Pump power	2.2KW×4
pump flow	200L/min×4
Heat transfer media	Conduction oil
Heating power	15KW×4
Heating pipe	Stainless
Temperature controller	RKC
Liquid level controller	Taiwan
Temperature control range	Normal-200℃
Heating method	PID self-control，Control accuracy：±1℃
Cooling Rollers	
Diameter	Φ63mm
Quantity	36pcs
Width	1400mm
Cooling length	9.2meters
Haul-off Drawer	
Diameter	Φ220mm
Width	1400mm
Motor Power	3kw
Roller haul-off synchronization	Available
Linear speed	0.2-2m/min
Opening and closing schedule	80mm
Center height	1100±20mm
Cutting System	

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Cutting method	Cutting knife
Cutter material	High quality high speed steels
Revolving gear	Worm, worm gear
Shearing device	QH11D precision shearing machine
Idler quantity	3pcs
Automatic Sucker with Stacking System （option）	

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Unloading rack	Length 3200mm, roller
Transducer	Controlled by Infrared ray
Sucker Qty	4pcs

2.Testing Video Link on YouTube	
Item	**Link**
SPC Flooring Extrusion Testing	https://www.youtube.com/watch?v=aF_YVRhzOsg
SPC Flooring Extrusion Testing	https://www.youtube.com/watch?v=b04KyZK-nPQ&feature=youtu.be

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Part Ⅱ Commercial Terms and Condition:

NO.	Commodity	Qty	Price ($)
1	SPC Floor Extrusion Line	1	135,000
FOB Shanghai Price			135,000

SAYS ONE HUNDRED THIRTY-FIVE THOUSAND U.S. DOLLAR

OFFER VALIDITY : 30 days

DELIVERY TIME : 90 days (after down-payment)

TERMS OF PAYMENT:

50% of total price as down-payment, and the other 50% should be paid before delivery, both by T/T. The rate of penalty (for delay of the manufacture and delay of payment) is charged at 1 % for every 5 days, odd days less than 5 days should be counted as 5 days.

WARRANTY : Mechanical parts & Electrical parts

12 months from starting and anyhow no longer than 14 months from the date of delivery for the parts considered by the manufacturer to be defective.

Parts of normal wear are excluded from warranty.

EXCLUSIONS : Civil works.

Electrical cables connecting the different machines forming the system with the main electrical control panel.

Installation and starting on the purchaser's premises.

Cranes, minor metalwork and equipment that may turn out to be necessary during installation and starting on site.

Whatever else not specified in this offer.

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