

BEIER MACHINERY CO., LTD TSK-35B Strand Pelletizing Line



(The picture is only for reference)

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Canada, U.S.A. & Mexico

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Thank you very much for your inquiry. We are pleased to offer you the following based on our enclosed general terms and conditions of delivery and sale.

1. Project evaluation: For the production of various compounds mainly using LDPE as the base material and additives such as TiO₂, CaCO₃, color pigments and a stable liquid additive (6-8%).

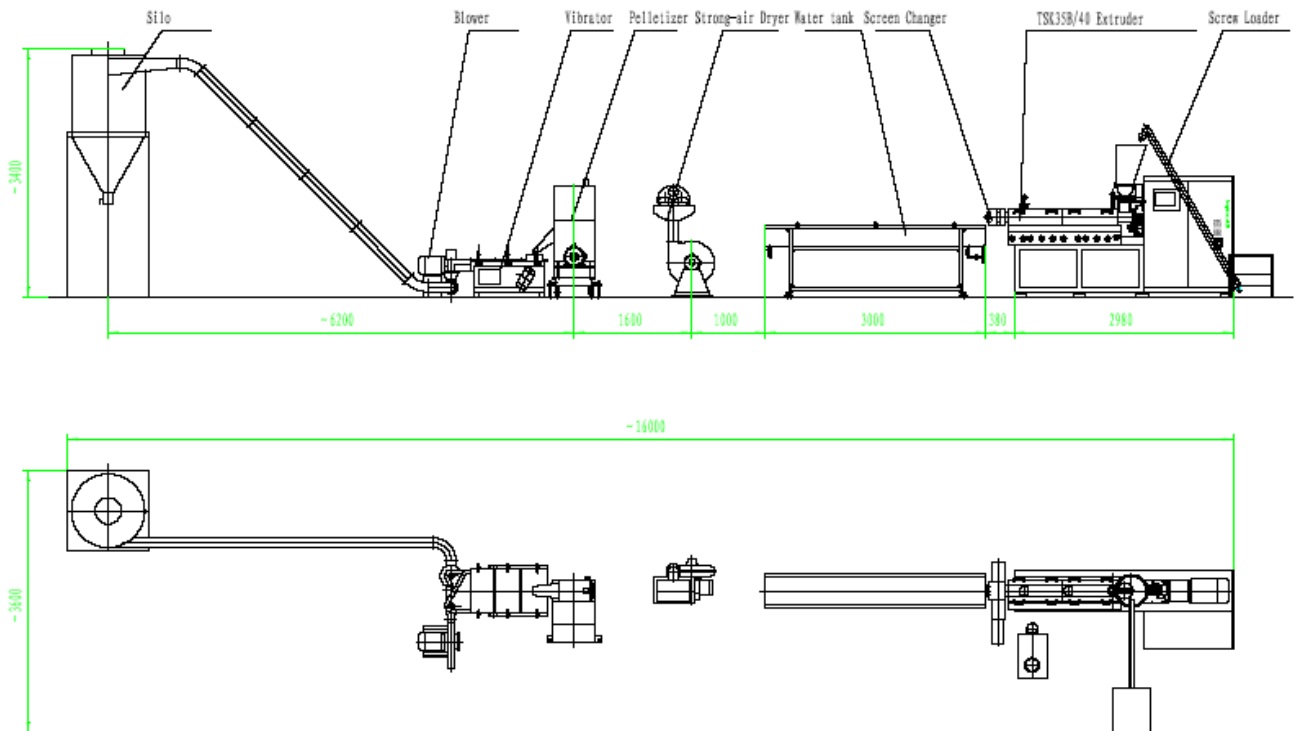
1.1 General information:

Raw material & formulation	LDPE, CaCO ₃ , TiO ₂ , additives, colors, etc.
Melt capacity	Pellets: 3*3mm Output: 60--90kg/hr (depending on the formulation)
Central height:	1m
Machine color	Standard color: RAL5005 (Blue)
Product photo	

1.2 Main commercial terms

Project	TSK-35B Strand Pelletizing Line
Payment terms	50% down payment by W/T 50% by W/T before shipment and after trial run.
Delivery time	90 days from receipt of the down payment and a technically clarified purchase order
Packaging	Wood pallet covered by plastic film and crates
Warranty period	13 months from the date of the bill of lading

1.3 Flow sheet



1.4 Machinery list and price:

No.	Machine	Qty.	Price (USD)
1	Screw loader	1 set	
2	TSK35 Co-rotating twin screw extruder with a Siemens PLC	1 set	
3	Screen changer (JC-Times) & strand die	1 set	
4	Water cooling tank	1set	
5	Strong-air dryer	1 set	
6	Pelletizer	1 set	
7	Vibrator/pellet screener	1 set	
8	Blower & Silo	1 set	
Price Ex works INCOTERMS 2000			
Inland freight cost to Shanghai port (1x20'GP)			
Packaging cost			
Total FOB Shanghai INCOTERMS 2000			

Technical data:

1. Screw Loader

Motor power: 1.5kW

Material: Stainless steel

Control: Time-delay relay



2. TSK-35B Co-rotating twin screw compounding extruder



Screws :

Diameter: 35.6mm; L/D: 40:1; Center distance: 30mm,

Material of the screw: W6Mo5Cr4V2

Rotating speed (co--rotating): Up to 600rpm

Barrel:

Material: 45# steel+ α 101 alloy

Heating zones: 8 zones, Cast Aluminum and stainless steel covers

Heating power: 12kW (Heating power: 1.5kW/zone)

Total heating power: 14.5kW (including strand die & screen changer)

Barrel cooling: Cooling water; Water pump: 0.55kW.

Drive system:

Motor power: 22kW (AC)

Oil pump for the gear box (lubrication): 1.5kW

Feed system:

Stainless steel hopper, Motor power of the feed screw: 0.55kW

Vacuum Venting System:

Vacuum pump: 1 set, 0.75kW

Vacuum degrees = 0 ~ -0.01 Mpa

Electric cabinet: With a Siemens PLC

UL approved electrical components

Inverter: ABB

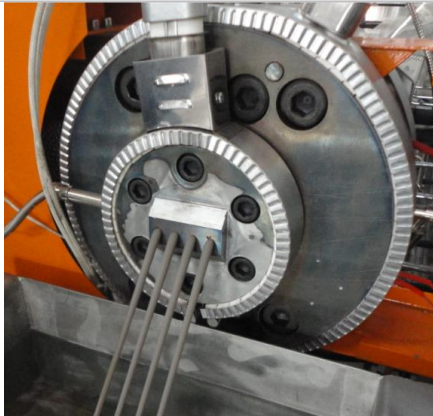
Contactors: Siemens

Circuit breakers: Schneider

With through the door, lockable safety interlocks

Melt capacity: 60-90kg/hour (depending on the formulation)

3. Screen changer (JC-Times) & strand die



Strand die picture is only for reference

Motor power: 1.5kW

Materials: 38CRM0Al

Number of strands: 5

4. Cooling water tank + Strong-air dryer

Length: 3000m

Material: Stainless steel



5. Strong-air dryer

Motor power: 2.2kW

Material: Stainless steel



6. Pelletizer

Motor power: 3kW
Rotary speed: 120-1200rpm
Dimension of the blade: Φ 120x60
Maximum output: 100kg/hour
Speed controlled by frequency inverter
Material of the rotary blades: High-quality alloy steel



7. Vibrator/Pellet screener

Motor power: 0.2kW
Part in contact with pellets: Stainless steel



8. Blower & Silo

Motor power: 3kW
Basic material :Stainless steel
Volume of silo: 1m³
With pneumatic slide gate



2.2. Spare parts (free of charge)

No.	Name	Qty.	Used for
1	Screw components	100 mm	Screws
2	Oil seals	3 pcs	Gearbox
3	Sealing rings for the vent chamber	3 pcs	Vacuum venting system
4	Fixed blade	1 pc	Pelletizer
5	Thermocouples	5 pcs	Electric Cabinet

3.1 Work condition: Provide by the customer at the installation site.

Warehouse/Workshop	Supply of cranes, fork-lifts or other lifting equipment. Mounting materials and tools. Dimension (M*M*M): 16 (Length) × 3.6 (width) × 3.4 (Height)
Temperature & Humidity	≤35°C, ≤95%
Power supply	460V/3-Phase/60Hz
Wire/cables/water hose:	Wires/cables: From the power supply to the control cabinet of this production line and all electrical cables from the control cabinet to each machine. Water: Supply water to the machines and reservoirs.
Cooling Water	Inflow temperature T1: ≤20°C, ≥0.3Mpa, ~5 M ³ /hr Outflow temperature T2: T1+5°C; Hardness: 5-8°dH;
Installation power	63.25kW, Approximately 70% during production.
Compressor	0.6m ³ /min, >0.5MPA
Ancillary staff	1 Person

3.2 Service

Technical documentation	All the symbols on the equipment will be in English. BEIER is responsible for providing a general layout plan, electrical plan, installation orientation and a manual in English for the Buyer.
Arrangements for inspection, installation and testing of the equipment	<p>a. After all the equipment is delivered to the customer's factory; the Buyer is responsible for all preparation work, e.g. electricity supply, water supply, cranes and labor, etc.</p> <p>b. BEIER will prepare visa applications for their engineers, who will review the equipment installation and testing at the Buyer's factory.</p> <p>c. The Buyer will buy a round-trip air ticket for the engineer(s) after the visa</p>

	<p>application is approved. The Buyer is responsible for all expenses generated, e.g. visa application fees, meals, accommodation and an allowance of \$125.00 per day for each engineer.</p> <p>d. The engineer(s) will provide free training for the operators and maintenance people in Buyer's factory.</p> <p>e. If the Buyer does not request commissioning by BEIER's engineer(s) within four months from the date of the bill of lading, it will be accepted that all the equipment has been successfully tested and approved by the Buyer.</p>
<p>Quantity and quality guarantee</p>	<p>In the case of quantity discrepancies or damage to any of the equipment at the destination, the Buyer will file a claim within 30 days after the arrival of the goods at its destination. The insurance company and the shipping company will be responsible for all discrepancies and damage caused by the shipping company or other transportation companies.</p> <p>a. Guarantee period and after-sales services: 13 months from the date of the bill of lading.</p> <p>During this guarantee period, BEIER will provide spare parts without charge in cases of quality discrepancies. If malfunctions are caused by the Buyer's improper equipment operation; BEIER will provide the Buyer with spare parts at cost prices.</p> <p>a. Long-term service:</p> <p>Beyond one year, BEIER will provide the Buyer with spare parts at reasonable prices and provide long-term technical guidance.</p>
<p>Validity</p>	<p>Three months from the quotation date.</p>

We thank you for your inquiry

Beier Machinery