

BEIER MACHINERY CO., LTD

SJ45 Single Screw Portable Co-extruders

Horizontal Type or Tripod Type



(The pictures are only for reference)

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1. Project evaluation: For production of acetal material in a co-extrusion application.

1.1 General information:

Raw material	Various Types of plastic pellets
Melt capacity	20 kg/hr (depending on the finished product)
Central height:	1m
Operation direction	From right to left (face to the operation panel)
Machine color	Standard color: RAL7016 (Anthracite grey) RAL9002 (Grey white)

1.2 Work conditions provide by the customer at the installation site

Power supply	460/3/60 with UL approved electrical components
Wire/cables	Wires/cables: From the power supply to the control cabinet of the extruder and all electrical cables from control cabinet to the extruder.
Cooling Water (if required)	Without dissolved or suspended minerals as phosphor, sulphur, iron, etc. Inflow temperature T1: max. 15°C; Outflow temperature T2: T2=T1+5°C; Hardness: 5-8 °dH; Reflux: without pressure
Lubrication oil	Exxon mobile
Compressor	Supply compressed air
Ancillary staff	1 person

1.3 Energy consumption

Installation power	26 Kw
Cooling Water (If required)	≤20°C, ≥0.3Mpa, ~1 M³/hr
Compressed air (If required)	0.3m³/min, >0.5MPa

1.4 Main commercial terms

Project	SJ45 single screw co-extruder
Price in U.S. funds	FOB Shanghai INCOTERMS 2000
Payment terms	50% down payment by W/T 50% by W/T before delivery and after inspection/trial

Delivery time	80 days from the date of receiving the down payment
Packaging	Wood pallet and cover by plastic film
Warranty period	13 months from the date of the bill of lading

1.5 Machinery list and price:

No.	Machine	Qty.	Price (USD)
1	SJ45/30 single screw co-extruder either horizontal or tripod type	1 set	
Total EX Works INCOTERMS 2000			
Inland transportation cost to Shanghai port (1X20GP)			
Packaging cost			
Total FOB Shanghai port			

Remarks:

Beier Machinery will set-up the extruder for testing, before shipment to the customer. All costs relating to the test materials and compounds are the responsibility of the customer.

2. Technical data

2.1 SJ45 Single screw co-extruder either tripod or horizontal design

No.	Name	Photo of the extruders	
1	SJ45/30 single screw co-extruder	 <p style="text-align: center;">Tripod Design</p>	 <p style="text-align: center;">Horizontal Design</p>
		<p>Screw : Screw diameter: 45mm Screw L/D: 30:1 Material : 38CrMoAl</p>	

		<p>Surface treatment: Nitride to a thickness of: 0.4 ~ 0,6mm,</p> <p>Barrel:</p> <p>Material : 38CrMoAl</p> <p>Inner processing: Nitride to a thickness of: 0.4 ~ 0.7mm</p> <p>Heating power : 2.5Kw X 4</p> <p>Heating mode: Cast aluminum heaters + stainless steel covers</p> <p>Cooling power: 0.25Kw X 4</p> <p>Cooling method: Fan cooling</p> <p>Gear box:</p> <p>Gear material: 20CrMnTi + Surface heat treated</p> <p>Distributor materials: 38CrMoAl Nitride treated</p> <p>Designed for high torque, long life span and low noise operation.</p> <p>Drive motor:</p> <p>Drive motor: 15 Kw AC</p> <p>Adaptor:</p> <p>Material: #40 steel chrome plated, inner convergent flow type</p> <p>Connection method with die: flange + bolt</p> <p>Pressure melt sensor and thermocouple</p> <p>Main electrical parts:</p> <p>Inverter: ABB 550</p> <p>Contactors: Schneider</p> <p>Air Switches: Schneider</p> <p>Relays: Omron</p> <p>UL approved electrical components and motor</p> <p>Electrical panel through the door safety disconnects</p> <p>Self-protection system:</p> <p>Over current protection of the motor</p> <p>Over pressure protection of the screw.</p> <p>Including heavy duty adjustable height locking casters</p>
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2.2 Spare parts (free of charge)

No.	Name	Qty.	Used for
1	Big spanner	1 set	Extruder
2	Thermocouples	5 sets	
3	Contactors	2 sets	Electrical cabinet
4	Buttons and switches	1 set	
5	Relays	1 set	

3. Service

<p>Technical documentation</p>	<p>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.</p>
<p>Arrangements for inspection, installation and testing of the equipment</p>	<ul style="list-style-type: none"> 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. b. BEIER will prepare visa applications for their engineers, who will review the equipment installation and testing at the Buyer’s factory. c. The Buyer will buy a round-trip air ticket for the engineer(s) after the visa 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. d. The engineer(s) will provide free training for the operators and maintenance people in Buyer’s factory. 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>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>One month from the quotation date.</p>



We thank you for your inquiry

Beier Machinery