



Pasteurized Milk Yogurt Butter Production Line 1000 L/H Fresh Milk

PROJECT PROPOSAL (Budget)

TO: Bathily

Buyer:

Manufacturer: SSS FOOD MACHINERY TECHNOLOGY CO., LTD.

ADK INDUSTRY (SHANGHAI) CO., LTD

Date: August 14, 2023

Validation: 15 days



Part 1. Technical parameters

1. Product name: Pasteurized milk, yogurt milk powder production line;
2. System raw material processing capacity: 1000L/H;
3. Packaging system output:
 - Pasteurized milk in 500ml bags;
 - Yogurt in 200ml, 500ml bags, 100g, 150g, 200g, 250g, 450g and 500g cups;
 - Milk powder in 500ml bags
4. Production form: automatic production + manual assisted operation;
5. Compressed air consumption: $\approx 3\text{M}^3/\text{min}$ (no oil, no water, dry compressed air, provided by the owner);
6. Power consumption: $\approx 200\text{kW}/\text{H}$, (provided by the owner), the final data is subject to the design data;
7. Steam consumption: $2000\text{kg}/\text{H}$ (pressure 10kg);
8. Water consumption: $\approx 8\text{-}10\text{T}/\text{H}$ (provided by the owner);
9. Cooling water: $200\text{T}/\text{H}$ (30°C);
10. Chilling water: $50\text{T}/\text{H}$ ($0\text{-}2^\circ\text{C}$);
11. Laboratory testing instruments: a full set of testing instruments defined by customers;
12. Pipeline valve: the connection of the whole line of equipment (provided by ADK);
13. A single production line is equipped with multiple stations, with about 15-20 operators/shifts per shift; (specific depending on the customer site different production conditions to determine the reasonable arrangement);
14. Management and quality control personnel 1 person/shift;



Part 2. Equipment parameters, quantity & price

No.	Code	Machine	Brand	QTY
P1	Milk Collection and Storage			
1	A1	Buffer Tank	ADK	1Set
	A2	Level Sensor	IFM	2Set
2	B1	Centrifugal Pump	Xiangya	1Set
		Inverter	ABB	1Set
3	C1	Tank tracker CIP Return Pump	Xiangya	1Set
4	D1	Duplex Filter	ADK	1Set
5	E1	Flow Meter		1Set
6	F1	Butterfly Centrifuge		1Set
	F2	Motor	ABB	1Set
7	G1	Buffer Tank	ADK	1Set
	G2	Hydrostatic Level Sensor	IFM	1Set
	G3	Temperature Sensor		1Set
8	H1	Centrifugal Pump		1Set

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9	I1	Plate Heat Exchanger		1Set
	I2	Temperature Sensor		1Set
10	J1	Milk Barn	ADK	1Set
	J2	Stirring Motor/Reducer		1Set
	J3	Hydrostatic Level Sensor	IFM	1Set
	J4	Temperature Sensor		1Set
11	K1	Centrifugal Pump		1Set
12	L1	CIP Return Pump		1Set
13	M1	Distribution Plate	ADK	1Set
14	N1	Pre-treatment Control Cabinet/System	ADK	1Set
	N2	Touch Screen	Siemens	
	N3	PLC	Siemens	
P2	Concentration system			
1	A1	Distribution Plate	ADK	1Set
2	C1	Concentration System	ADK	2Set
		Heater	ADK	
	C2	Evaporation Chamber	ADK	2Set
	C3	Condenser	ADK	1Set

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	C4	Circulating Discharge Centrifugal Pump		2Set
	C5	Heating System		1Set
	C6	Vacuum System		1Set
	C7	Condensate Pump		1Set
	C8	Online Concentration Meter		1Set
	C9	Negative pressure level sensor		2Set
	C10	Valve fittings in the system	ADK	1Batch
	C11	Control System	ADK	1Set
3	D1	CIP Return Pump	ABB motor	
P3	Yogurt Ingredients System			
	A1	High Shear Tank	ADK	1Set
	A2	High Shear Motor		1Set
1	A3	Level Sensor	IFM	1Set
	A4	Load Cell		1Set
	A5	Platform	ADK	1Set
2	B1	Centrifugal Pump		1Set
	B2	Inverter	ABB	1Set
3	B1	Duplex Filter	ADK	1Set

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4	C1	Blending Tank	ADK	2Set
	C2	Stirring Motor/Reducer		2Set
	C3	Inverter	ABB	2Set
	C4	Hydrostatic Level Sensor	IFM	2Set
	C5	Temperature Sensor		2Set
5	D1	Plate Sterilization Cooling	ADK	1Set
	D2	Temperature Sensor		2Set
	D3	Heating System		1Set
	D4	Hot Water Pump		1Set
	D5	Valve Fittings	ADK	1Batch
6	E1	Circulating Centrifugal Pump		1Set
	E2	Inverter	ABB	1Set
7	F1	Discharge Centrifugal Pump		1Set
	F2	Inverter	ABB	1Set
8	G1	CIP Return Pump		1Set
9	H1	Control Cabinet/System	ADK	1Set
	H2	Touch Screen	Siemens	
	H3	PLC	Siemens	

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10	I1	CIP Distribution Plate	ADK	1Set	
P4					
1	A1	Plate Sterilization Cooling	ADK	1Set	
	A2	Material Tank	ADK	1Set	
	A3	Hydrostatic Level Sensor	IFM	1Batch	
	A4	Temperature Sensor		5Set	
	A5	Centrifugal Pump		2Set	
	A6	Inverter	ABB	1Set	
	A7	Flow Meter		1Set	
	A9	4S Sterilization Section	ADK	1Set	
	A10	105S Sterilization Section	ADK	1Set	
	A11	20S Sterilization Section	ADK	1Set	
	A15	Hot Water Pump		3Set	
	A16	Valve Fittings	ADK	1Set	
	A17	Cleaning Pump		1Set	
	A18	Electrical Control System	ADK	1Set	
	2	B1	Vacuum Degasser	ADK	1Set
		B2	Material Pump		1Set

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	B3	Vacuum Pump		1Set
	B4	Condensing System	ADK	1Set
3	C1	Homogenizer		1Set
P5				
1	A1	Fermentation Tank	ADK	4Set
	A2	Stirring Motor/Reducer		4Set
	A3	Inverter	ABB	4Set
	A4	Hydrostatic Level Sensor	IFM	4Set
	A5	Temperature Sensor		3Set
	A6	Platform	ADK	1Set
2	B1	Rotor Pump		1Set
3	C1	Cleaning Pump		1Set
4	D1	Return Pump		1Set
5	E1	CIP Distribution Plate	ADK	1Set
6	F1	Plate Cooling	ADK	1Set
	F2	Temperature Sensor		2Set
	F3	Cooling Water Tank		1Set
	F4	Cooling Water Pump		1Set

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	F5	Valve Fittings	ADK	1 Batch
7	G1	Constant Temperature Cold and Hot Water	ADK	1Set
8	H1	Control Cabinet/System	ADK	1Set
	H2	Touch Screen	Siemens	
	H3	PLC	Siemens	
P6				
1	A1	Hot Water Tank	ADK	1 Piece
	A2	Level Sensor	IFM	1Set
	A3	Temperature Sensor	IFM	1Set
2	B1	Discharge Pump		1Piece
P7	Milk Powder Section			
1	A1	Centrifugal Spray Dryer	ADK	1Set
2	B1	Powder Packaging Machine		1Set
P8				
1	A1	Pasteurized Milk, Yogurt Bag Packaging Machine	ADK	2 Sets
2	A2	Cup Packing Machine (including mold)	ADK	1Set
P9	Production line auxiliary system			
1	A1	CIP Acid, Alkali, Hot Water, Clean Water Tank, Recovery Tank	ADK	3 Pieces

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	A2	Heating System		2 Set
	A3	Tubular Heat Exchanger	ADK	2 Set
	A4	Level Sensor	IFM	5 Set
	A5	Temperature Sensor		3 Set
	A6	Circulation Discharge Pump		2 Set
	A7	Conductivity		2 Set
	A8	pH		2 Set
	A9	Concentrated Alkali System	ADK	1Set
	A10	System Inner Pipe Valve	ADK	1 Batch
	A11	CIP Electrical Control System	ADK	1Set
2	A12	5T/H Water Treatment System	ADK	1Set
3	B1	Site Installation Accessories	ADK	1 Batch
4	C1	Installation, commissioning, training costs	Excluded	1 Time
5	E1	Power Cabinet, Cables and Installation accessories	By client	1Set
6	F2	Steam System Piping	By client	1Set
7	G1	Cooling Water Pipes	By client	1Set
8	H1	Compressed Air Piping	By client	1Set
9	J1	Freight	FOB Wuhan	1

Total Amount (USD): \$992,800.00

Price terms: FOB Wuhan

Payment terms: 40% of the total contract amount in advance;30% 30 days after the execution of the contract;30% before delivery;

Delivery time: 85-90 working days after signing contract

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Note:

1. The production line belongs to the non-standard design and customization according to the requirements of the User, and the parameters are subject to the final design of the Supplier.
2. Confidentiality obligation: The relevant technical information and prices of the production line are only available to the relevant personnel of your company's project. If it is found to be leaked to a third party, our company will pursue relevant legal responsibilities
3. The whole line installation, commissioning and operator training, the user allots 3-6 people to assist installation and commissioning.



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