

REQUEST FOR QUOTATION (RFQ)

Supply, Installation, Testing and Commissioning of an Automatic Rotary Yoghurt Cup Filling and Sealing Machine

Ref No: LDFCS/03/RFQ/2026

Purchaser: LIMURU DAIRY FARMERS COOPERATIVE SOCIETY LTD

Country: KENYA

Issued on: 03/08/2026

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Closing Date: 10/08/2026 at 10:00 AM

1. Introduction

Limuru Dairy Milk Processing Plant (LMPL) invites quotations from qualified manufacturers, authorized distributors and packaging equipment suppliers for the supply, installation, testing and commissioning of a fully automatic rotary table yoghurt cup filling and sealing machine. The equipment shall package set yoghurt, stirred yoghurt and drinking yoghurt in preformed plastic cups and be supplied as a complete operational system.

2. Design Conditions

Parameter	Requirement
Products	Set yoghurt, stirred yoghurt and drinking yoghurt
Daily Production Capacity	4,000 Litres/Day
Net Production Time	8 Hours
Operating Window	Maximum 10 Hours including preparation and CIP
Cup Sizes	100 ml, 150 ml, 250 ml and 500 ml
Product Filling Temperature	4–8°C
Machine Type	Fully Automatic Rotary Table Cup Filling & Sealing Machine
Cup Sterilization	UV
Filling Accuracy	±1% or better
Product Contact Parts	AISI 316L Stainless Steel
Machine Frame	AISI 304 Stainless Steel
Electrical Supply	415V, 3 Phase, 50 Hz
Compressed Air	Supplier to specify pressure and consumption
Cleaning Capability	Clean-in-Place (CIP) and Clean-out-of-Place (COP)
HMI Language	English
PLC Programming Documentation	English
Operation & Maintenance Manuals	English

3. Scope of Work

A. Automatic Rotary Cup Filling & Sealing Machine

- Fully automatic rotary table machine.
- Automatic cup feeding and denesting.
- Automatic indexing system.
- Supplier shall determine and provide the optimum number of filling heads required to achieve the specified production capacity while maintaining $\pm 1\%$ filling accuracy.
- Servo-controlled volumetric filling.
- Automatic foil sealing station.
- Designed for continuous hygienic dairy operation.
- Preferred manufacturers: Trepko, Serac, ILPRA, NHM, Synerlink, Dairy Pack or approved equivalent.

B. Cup Sterilization System

- Integrated UV cup sterilization tunnel.
- Safety interlocks and lamp monitoring.

C. Product Hopper & Filling System

- AISI 316L insulated hopper.
- Level sensor.
- CIP spray device.
- Sanitary valves and piping.
- Removable filling nozzles for COP.

D. PLC & HMI Control System

- Industrial PLC (Siemens, Allen-Bradley, Schneider or equivalent).
- Colour touch-screen HMI.
- Recipe management.
- Production counters.
- Alarm history and diagnostics.
- Emergency stop and safety interlocks.
- All HMI screens, alarms, menus and maintenance prompts in English.
- PLC documentation and programming documentation in English.

E. Installation Works

- Supply and install all equipment.
- Connect electrical and pneumatic services.
- Testing and commissioning.
- Production trials.
- Operator and maintenance training.

4. Schedule of Supply and Prices

Item	Description	Qty	Unit	Unit	Total	Make/Model	Country	Remarks
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				Price	Price			
1	Automatic Rotary Cup Filling & Sealing Machine	1	No.					
2	UV Cup Sterilization Unit	1	Set					
3	Product Hopper & Filling System	1	Set					
4	Foil Sealing System	1	Set					
5	Cup Discharge Conveyor	1	No.					
6	PLC/HMI Control Panel (English Interface)	1	No.					
7	Electrical & Pneumatic Connections	1	Lot					
8	Installation, Testing & Commissioning	1	Lot					
9	Operator Training	1	Lot					
10	O&M Manuals (English)	3	Sets					
11	One-Year Spare Parts	1	Lot					
12	Warranty (24 Months)	1	Lot					

Sub-Total: _____

VAT (if applicable): _____

Grand Total (KES): _____

5. Performance Guarantee

- Production capacity of 4,000 litres/day.
- Filling accuracy of $\pm 1\%$ or better.
- Automatic UV cup sterilization.
- Reliable rotary table operation.
- Automatic CIP compatibility.
- COP cleaning of removable components.
- English HMI, PLC documentation and manuals.
- Continuous reliable operation.

6. Documentation

- Technical datasheets
- GA drawings
- Electrical schematics
- Pneumatic diagrams
- PLC software backup
- HMI backup
- PLC programming documentation (English)
- Operation & Maintenance Manuals (English)
- Spare Parts Catalogue (English)
- Warranty Certificate

7. Commercial Requirements

- Equipment cost
- Installation cost
- Commissioning cost
- Delivery period
- Warranty
- Quotation validity
- Local after-sales support

8. Completion

The project shall be deemed complete after successful installation, testing, commissioning, operator training and formal acceptance by LMPL.