



**Mayura Automation & Robotic Systems**

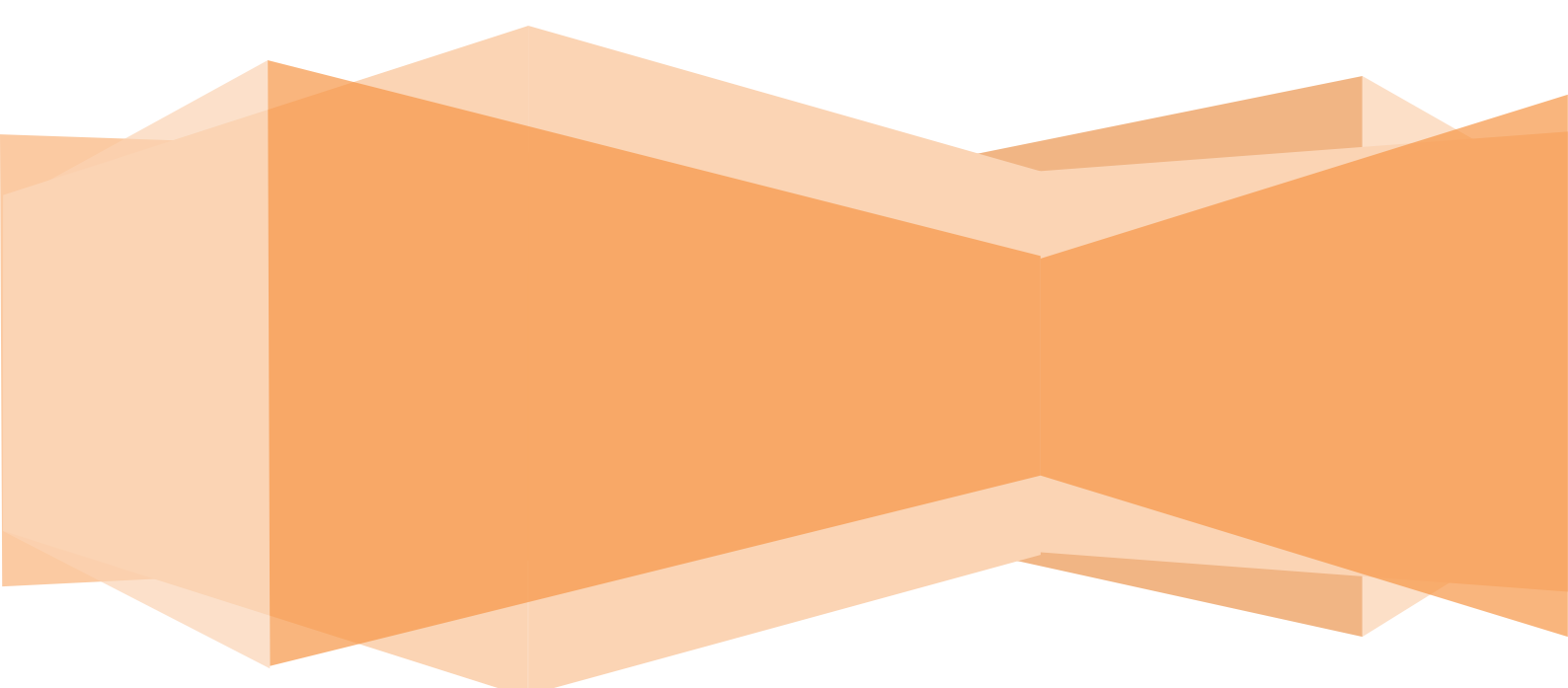
**25, Crescent road, West Shenoy nagar, Chennai - 600 030**

**Ph.: + 91- 9789049050**

# **AUTOMATIC CUP /CONE ICE CREAMFILLING MACHINE**

**Food & Beverage Industry**

**PLC/HMI BASED SOLUTION**





## **ABOUT THE PROJECT**

The automatic cup/cone ice cream filling machine is developed with the objective to reduce the manual intervention in ice cream filling as the hygiene of the dairy product is top priority. The customer is the one of the largest dairy product machine manufacturer in India who provides cow to cup solution to dairy product manufacturers. With our association with them, they ventured into the automatic cup/cone ice cream filling machine because of our combined expertise in automation and machine building.

## **SOLUTION OFFERED**

PLC – Schneider Electric Logic Controller M238

HMI – Schneider Electric Magnelis HMIGXO 3502 – 5.7” inch touch screen colour type

SERVO DRIVE – Schneider Electric LXM23D

SERVO MOTOR – BCH

SENSORS: Proximity sensor and Reed Switches

## **SCOPE OF MAYURAS**

PLC PROGRAMMING

HMI PROGRAMMING

SUPPORT FOR ON-SITE FOR COMMISSIONING

SERVO DRIVE PROGRAMMING

CONTROL PANEL DESIGN AND WIRING

## **MACHINE FEATURES**

- Machine Type : Linear, Rotary and Oval
- No Cup/Cone - No Fill
- No Cup/Cone – No Cap/Lid
- Production Speed – 4000,6000,12000,16000 product/hr
- Accurate positioning with servo mechanism.
- Filling volume adjustment from touch screen HMI
- Machine Speed adjustment from touch screen HMI
- Cup /Cone Selection
- Auto/Manual Operation
- Temperature control for Chocolate topping.

- Total Product count, Shift Count, Monitoring, security, and safety options from HMI
- Multi station operation
- Auto CIP function
- Individual stations can be Turned ON/OFF.
- Operator friendly