



**Mayura Automation & Robotic Systems**

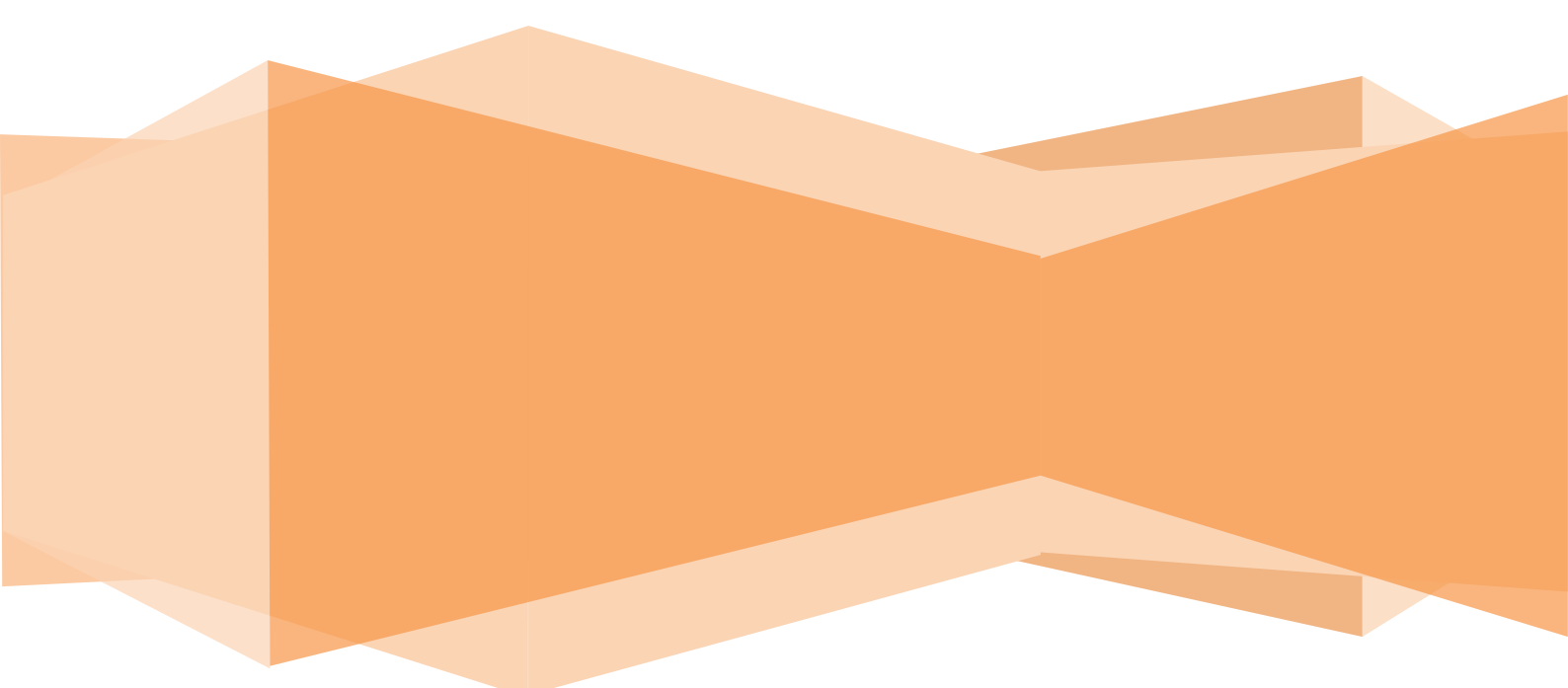
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# **24 STATION SHOE INJECTION MOULDING MACHINE**

**Manufacturing Industry**

**PLC/HMI, SCADA BASED SOLUTION**





## **ABOUT THE PROJECT**

The injection operation in shoe moulding was to be performed in each station for 24 stations depending on the colour combination defined for each particular station. The system was required to mix the appropriate colour and perform the injection operation. The Data Acquisition and Control System for a SCADA based 24 station injection moulding machine was successfully developed as a professional application in the quickest possible time with all hardware integrated effortlessly. Using Lab VIEW, proved to be the best platform for measurement, testing and control in this project.

The client is the major exporter of foot wear to Europe with its modernised tanneries and machinery facilities.

## **SOLUTIONS OFFERED**

NI-COMPACT RIO

SCADA: National Instruments Lab-VIEW

PLC: Schneider Electric M340 controller

## **SCOPE OF MAYURAS**

PLC, HMI Programming

SCADA system Integration with Lab-view

Control Panel Design, wiring and Installation

Field instruments supply calibration and integration.

## **FEATURES**

- Recipe control options for different type of shoe moulding
- Machine monitoring from SCADA and HMI
- Report generation, Data logging options
- Safety, security and alarm options from HMI
- Product count, shift count display options