



miQro **Four Channel Controller**

The Leary **MIQRO™** is a cost effective 4 channel extrusion controller capable of driving high power valves including Quantum™ high speed cold glue valves. It has versatile glue pattern options and many advanced features previously only available in Leary's larger LS-4 and LS-916 series controllers.

The multi-language MIQRO controller delivers pattern accuracy at +/- 1 mm up to 650 m/min (2,150 ft/min), and is suitable for a wide range of industry applications such as Folding Carton, Print Finishing, Corrugated Box and Web Offset.

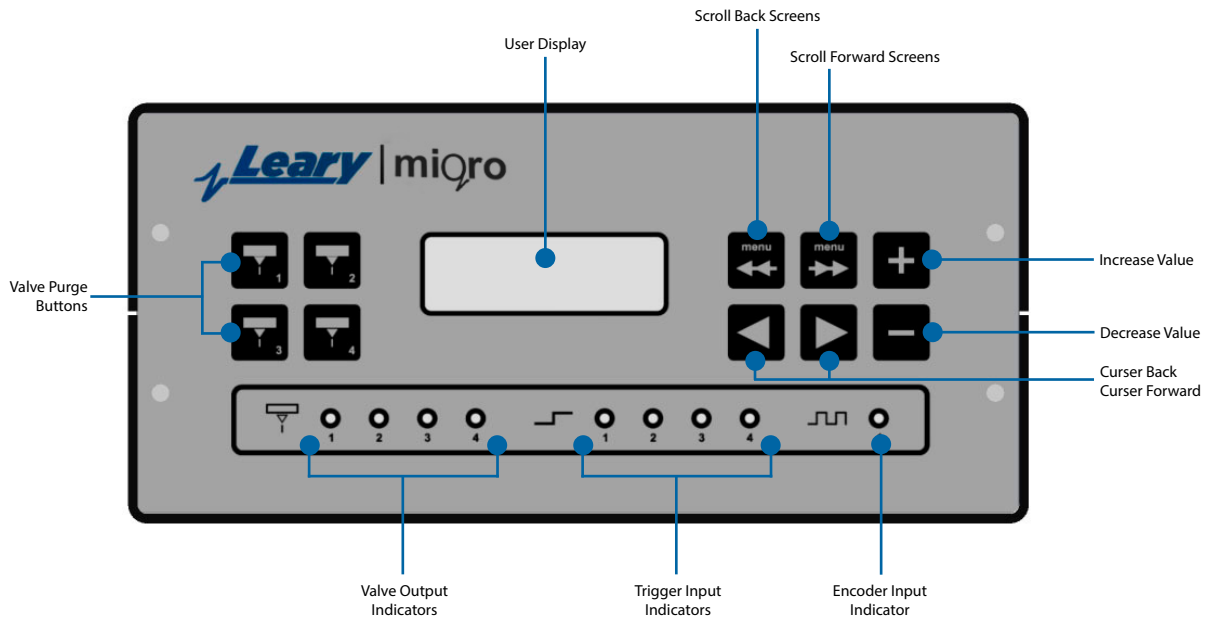
The simple button layout and easy to read backlit display of the MIQRO allows the user to quickly and easily set new jobs, adjust parameters and view production information.

- 4 channels, 4 valve outputs
- 4 patterns per channel
- Each pattern output can lay down a line or row of spots
- 1 trigger input per channel
- Suitable for use with Leary Jet™ and Quantum cold glue valves and Robatech hotmelt valves, excluding Speedstar
- Efficiently designed controller interface
- Meets all EMC, RoHS and CE Requirements

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CONTROLLER

MIQRO Four Channel Controller



PHYSICAL CHARACTERISTICS

Control Box

- Dimensions
 - 282 mm (11.1 in) w
 - 131 mm (5.1 in) h
 - 140 mm (5.5 in) d
- Weight: 3.17 kg (7 lbs)

Power Requirements

- 110-240 VAC
- 50-60 Hz frequency
- 300 W consumption

User Display

- Multiple language options available
- Selectable values in standard or metric

ENCODER

- Compatible with the full range of Leary and standard resolution encoders
- Custom pulse rate input for OEM encoders
- Variable pre-set internal timer for fixed speed machines

TRIGGER

- 4 trigger inputs (1 per channel)
- Trigger to channel link in software
- Compatible with the full range of Pafra and Leary trigger sensors
- Trigger inputs can be PNP or NPN
- Lockout setting per trigger input
- Trigger edge selection

GLUING FEATURES

- 4 channel outputs (1 valve per channel)
- 4 pattern elements per channel
- Each element can be a line or spot
- Each channel has independent Spot Size and Spot Gap settings
- Accuracy +/- 1 mm at up to 650 m/min (2,150 ft/min)

Spot Pitch: Auto Spot Pitch adjust feature that ensures a spot exactly at the front and back of programmed pattern

Low Speed Spotting: Automatically switches to spotting mode below a pre-set speed

Freeform Gluing Function: Controller automatically calculates the valve start and stop values based on carton length. Glue is accurately applied from front to back with an adjustable pre-set start and end offset.

PRESSURE CONTROL

- 4 point pressure curve
- Compatible with the full range of Leary GRUs
- Timer controlled dump output (24 VDC, 1 A)
- 0-10 VDC or 4-20 mA control

SAFETY

- CE tested
- EC Directives 92/59/EEC and 73/23/EEC
- Temperature reliant from 0°C to 50°C (32°F to 122°F), 95% relative humidity, non-condensing
- RoHS compliant

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