

# MULTIFUNCTION CONTROLLER

Engineered to make the control of work cycles on processing machines easy and efficient, LYNX avails on a PLC allowing to integrate it perfectly into the handling system.

Thanks to the storable data structures with indexed access (recipes) the program storing and recalling results extremely simple. A series of tasks and programs specially created for the execution of mathematical and graphic functions are available on request.

The peculiar technology applied to keyboard construction allows to obtain customized versions even in limited series.

## SOME APPLICATIONS:

- Sheat working and cutting machinery
- Glass working machinery
- Marble working machines
- Winding machines
- Textile machinery
- Sawing machines
- Packing machinery
- Food Processing machinery
- Palletizers
- Wood-working machinery
- Cutting optimization

## SPECIFICATIONS AND PERFORMANCES

- Control over 2 axes
- Embedded PLC, programming language: LADDER or Mnemonic
- Programmable user interface
- Graphical pages handled
- Main bus for I/O expansion

## HARDWARE

- CPU 32 bit RISC
- Flash Memory 256 Kbyte
- RAM Memory for user programs, data, pages: 256 Kbyte expandible up to 2 Mbyte

## INTERFACE TO THE FIELD

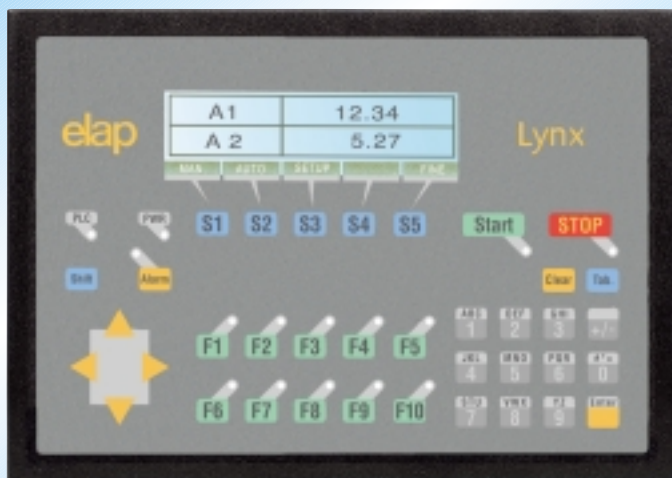
- DIGITAL INPUTS: 16÷32 optoisolated inputs, and 4 devoted to the interrupt command
- DIGITAL OUTPUTS: 16÷32 optoisolated outputs
- EXPANSION MODULES: 16 inputs + 16 outputs DIN bar fixing
- INCREMENTAL ENCODER: 2 bidirectional count inputs 5 Vdc line driver with zero reference reading, frequency 500 KHz
- AXIS COMMAND: 2 ± 10Vdc analogue outputs with 12 bit resolution Possibility to command ON/OFF axes
- ANALOGUE INPUTS: 4 0÷5 Vdc analogue inputs with 10 bit resolution
- ALARMS: 1 contact for system watch-dog
- COMUNICATION: 2 serial ports RS232, or 1 serial port RS232 + 1 RS485

## GENERAL SPECIFICATIONS

- Front case protection degree IP65
- Supply 24 Vdc ±15% 34 Watt max. Connections: extractable terminal box: supply, digital I/O. Canon connectors: encoder, analogue I/O, serial ports on request: digital outputs on relay modules
- Lithium battery min. 5 years life

## USER INTERFACE

- Polyester KEYBOARD with 37 keys, every one with programmable functions, i.e.:
  - 5 keys in the display area
  - 10 function keys
  - 7 navigation keys
  - 1 key for the reset function or alarm display
- numerical pad
- START and STOP push-buttons with LED
- 13 programmable signalling LEDs
- GRAPHIC REAR-LIGHTED DISPLAY 240x64 pixel
  - 128 expansible text pages
  - 25 bit-map backgrounds 240x64 pixel
  - 256 messages, each by 30 byte
  - storable data structures with indexed access (recipes)
  - 64 images by 64x64 pixel for icons and animation
  - texts handled in four languages
  - full compatibility with the applications implemented on Elap Nexus controller



**THANKS TO THE HIGH PROTECTION DEGREE**

**OF THE FRONT CASE (IP65) LYNX**

**CAN BE USED IN SEVERE INDUSTRIAL ENVIROMENTS**