LMZ02

microprocessor control

Zator
gluing **solutions**

DATASHEET

TECHNICAL DESCRIPTION

The LMZ02 microprocessor control has been designed and realized for the use on various kind of production machines operating at high speed.
Its design and versatility make it ideal whenever a production process requires that manufactured products need precision applications of cold glues by means of programmable glue valves.

The control unit can store up to 99 different gluing pattern programs and may operate up to two independent glue valves (channels), each one having the possibility to produce four or eight different glue patterns.
The glue valves may deposit glue lines or glue dots up to a programmed speed at which dots will, automatically, convert to lines.

The design of the control can be used with two different modes:
• encoder mode: with the use of a machine speed detector (encoder) whenever machines may run at variable speeds;
• timer mode: without encoder, if the production machines are designed to run at constant speed.

APPLICATION FIELDS

packaging

paper converting

case maker

printing machine

tobacco and wood industry

assembly

other

WORKING MODELS

encoder

timer

PROGRAMMABLE VERSIONS

packaging

collator

TECHNICAL DATA

power supply

Supply voltage	Single phase 220Vac ±10%
Frequency	50/60 Hz
Connected output	250 W

input

Start sensors	2
Encoder	1
Reset	1
Glue level	1
Voltage	+24 Vdc
Type	pnp

output

Glue valves (channels)	2
Voltage	+ 24/48 Vdc
Max power for each channel	25 W
Proportional valve	1
Type	0÷20 mA
Aux output (Nr.1)	Glue level
	Shutter
	Aux1
	Aux2
25 poles multi-connector for valves	1
Switching voltage	24 Vdc
Max current	0,5 A

data connection

Ethernet plug	1

machine features

Max machine speed	700 m/min
Application accuracy	± 1 mm
Max glue pattern programs stored	99

operating conditions

Temperature	0÷50°C
Relative humidity	20÷60%

weight

	6 kg

display

Dimension	7" TFT
Resolution	800 x 480 pixels
Brightness	350 cd/m²
Contrast	500:1
Touch type	4 wires resistive
Power consumption	250 mA @ 24V
Frontal protection	IP 65

FEATURES
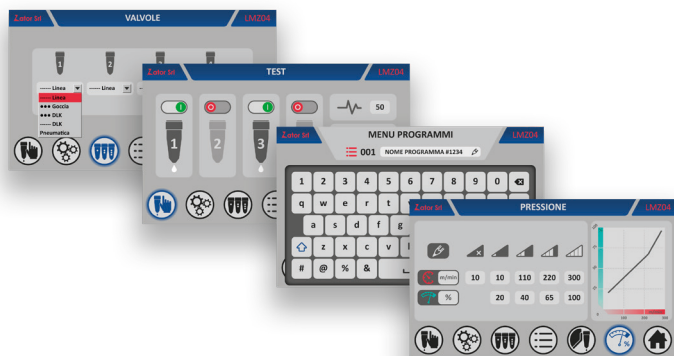
more simple.
more intuitive.

The design of the graphic interface lets to the user to speed and simplify the learning of the basic functions of the instrument.

touch screen panel

You won't need any other devices to operate on the instrument. Just use your fingers.

3D view
programming menu

You can keep an eye on all the glue patterns data, simplifying the reading and preventing possible mistakes during the programming.

integrable wi-fi router
connection

Connect with wi-fi your mobile devices* like smartphone or tablet to the control to remotely control in real time the production and make any corrections to the program.

Available for Android and iOS devices.

multi-languages text

Select your desired language and start programming.

MODELS

code	description
LMZ02	• Programmable configuration in packaging or collator version • 99 programs stored • Application precision ±1 mm @ 700 m/min • Working models: encoder or timer mode • 7" Touch screen panel TFT-800X480 • Power supply 220 Volt, 50 Hz • Software SFT00100 included
	Inputs: • 2 photocells, 1 encoder • 1 glue reset, 1 glue level sensor
	Outputs: • 2 independent channels (valve) • 1 nozzle shutter • 1 proportional valve control (0-20 mA) • 1 level glue output • 2 optional free output

additional hardware available

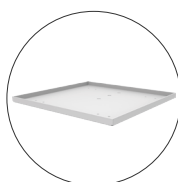| code	description
HRD00100	WI-FI router connection

available optionals

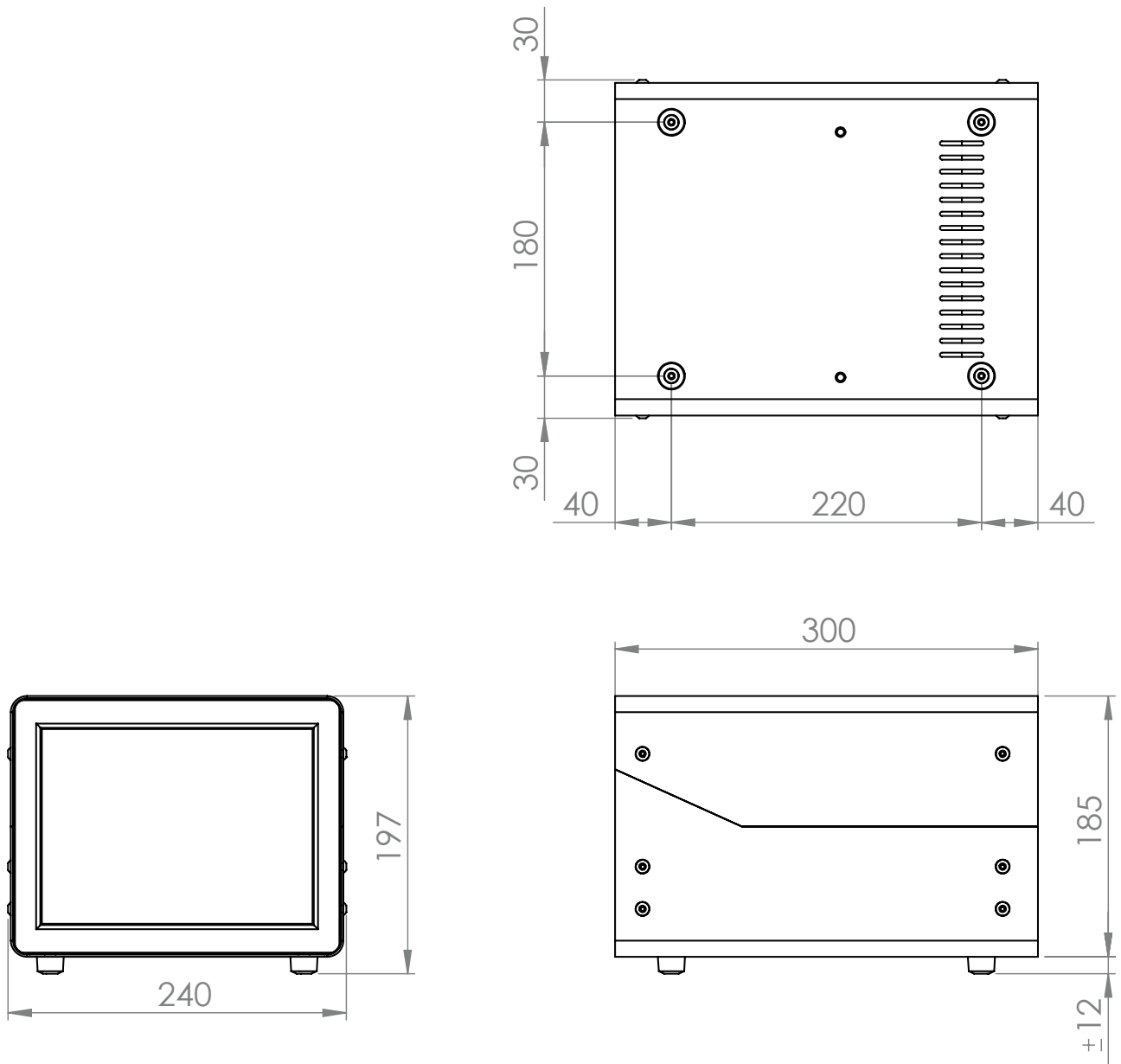| code	description
ZLM02001	LMZ02 standard kit connectors

Stand　　*Tray*

DIMENSIONS

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