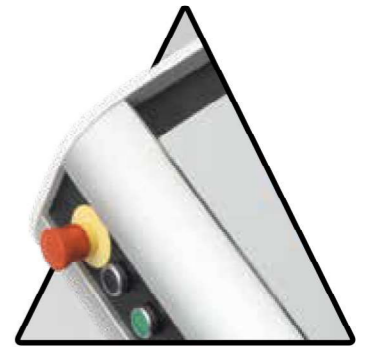# WRL300

3 axes system

The WRL300 Cartesian robot comprises a selfsupporting structure in 100% aluminium, offering high stability and great strength with minimum weight.

The movement is assured by a toothed belt, bearing guides on hardened shafts and bipolar stepper motor: these all help **WRL300** to combine the high precision and repetition of the belts and bearings with the high performance of the motors.

The **SW programming software** included, designed specifically for dispensing fluids, allows the operator to program even the most complex paths.

The **WRL300** front panel is also fitted not only with START and EMERGENCY operator buttons, but also a functional controller with **LCD display**, used to call up the main software functions, including program selection, program execution controls, alarm display, input-output menu, etc.

Furthermore, **2 digital inputs** and **4 digital outputs** are also available for connection to external devices (e.g. dispensing valves, level sensors, general enabling signals, etc.) which can be fully configured by the user.

Applications
p. 18-19

X/Y/Z {R} Work Area (mm)	300 / 300 / 140
Worktable Load / Tool {R}	load on the work surface 5 Kg, tool 1 Kg
Max. Speed X,Y,Z	1-250 mm/sec X, Y, 1-100mm/sec Z
Repeatability	±0,1 mm/axis
Resolution	0,08 mm/axis
Data Memory	100.000 Points / 255 programs
Drive System	stepper motors
Interpolation	point to point & continuous path
Programming Method	remote mode (self-learning) through PC software
I/O Signals	2 input digitali - 4 output digitali
External Interface	USB / RS232 /Analogue output optional
Power Supply	110/230Vac ±10% - 50/60Hz - 400VA
Dimensions (WxDxH) mm	440x645x800
Weight	32,7 Kg

AXIS Y

AXIS Z

AXIS X

800

440

645

440