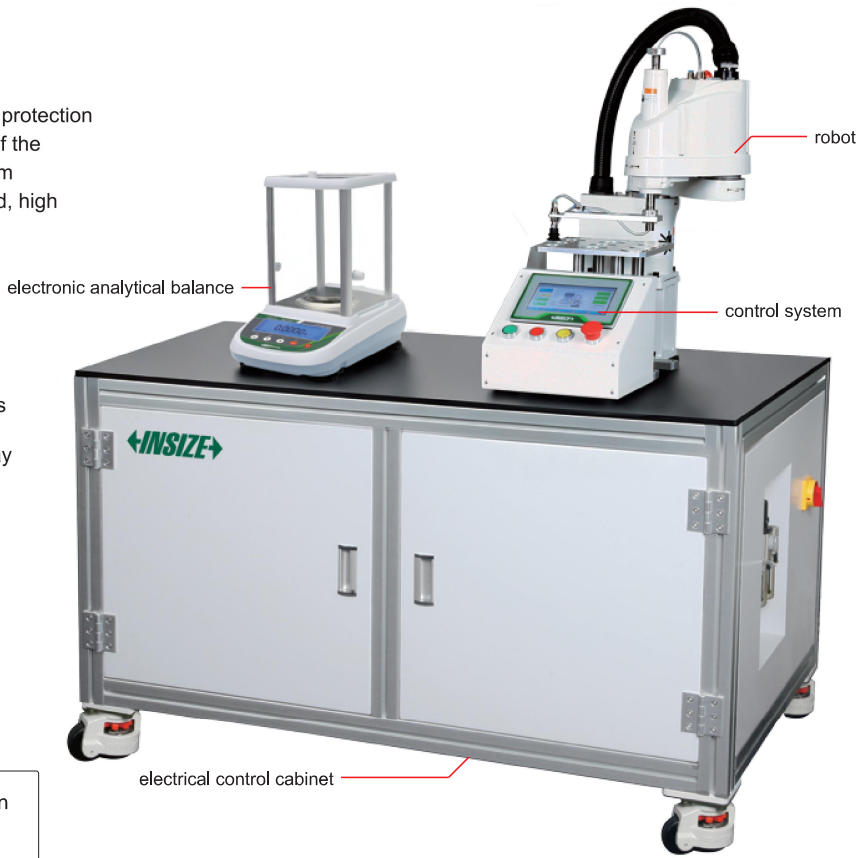
AUTOMATIC ELECTRONIC ANALYTICAL BALANCE TEST SYSTEM
PART NO. RBT-8312-U

CUSTOM MADE | HIGH ACCURACY | DATA OUTPUT

robot:

- 6-axis industrial robot for high speed and precision, IP67, triple protection
- Brinell hardness test system automatically tests the hardness of the workpiece and provides real-time feedback to the control system
- Control system Modbus Tcp via bus communication, high speed, high efficiency and easy to extend



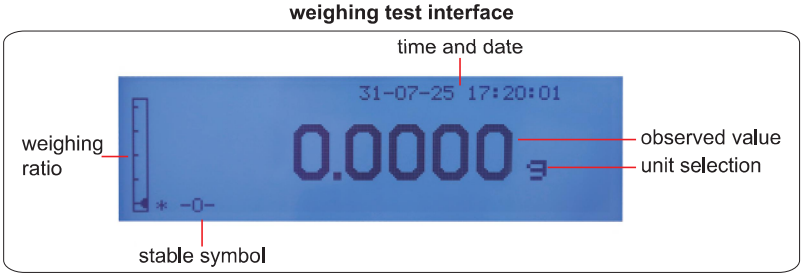
electronic analytical balance:

- Downward-mounted electromagnetic sensor
- Aluminum alloy base, wind shield, three side glass sliding doors
- Zero-setting, weighing, subtracting tare value, counting
- Checking alarm, accumulation, animal scale, percentage display
- Peak (max.) and tracking mode
- Administrator permissions
- Recipe database: 99 recipes, up to 20 ingredients per recipe
- LCD display, with backlight
- Data output
- Automatic power off
- Unit: g, mg, ct, oz, ozt, dwt, mlb, GN, tj, gj, mo

operation process

Step 1: Place the workpiece manually on the positioning block in the loading area and position it on the right side against the edge.
Step 2: Press the reset button to return the robot and cylinder to the initial position.
Step 3: Press the start button, the system prompts whether the workpiece is correctly placed and click OK.
Step 4: The robot grabs the workpiece and places it onto the custom fixture.
Step 5: Electronic analytical balance start measurement and output results.
Step 6: The robot removes the workpiece and places the workpiece in the OK or NG station according to the measurement results.

weighing test interface



SPECIFICATION

Robot	Robot arm spreading	15.74"
	Max working speed	23.70ft/s
	Max weight of workpiece	6.61lb
	Repeat positioning accuracy	±787.4μin
	Number of control axis	4
	Communication protocols	Ethernet Modbus Tcp
Electronic analytical balance *	Weighing capacity	220g/1100ct
	Minimal load	10mg/.05ct
	Readability (d)	0.1mg/.0005ct
	Repeatability	±0.1mg/.0005ct
	Linearity	±0.3mg/.0015ct
	Calibration method	internal calibration
	Stabilization time	2.5s
	Dimension of pan (D)	3.15" DIA

*The quick measurement system is available in different models depending on the workpiece

STANDARD DELIVERY

Robotic system	robot body
	robot control cabinet
	programming guide
Electronic analytical balance	1 pc
Control touch screen	1 set
Control box	1 set