ROBOT R LABOT

WE DESIGN ROBOTS,
TO HELP YOU WORK FASTER AND MORE EFFICIENTLY IN THE LAB.

OUR SYSTEMS AUTOMATE COMPLEX LIQUID HANDLING PROCEDURES,
ENSURING HIGH REPRODUCIBILITY AND MINIMIZING MANUAL VARIABILITY.

THIS RESULTS IN SAVINGS IN TIME, REAGENTS, AND OVERALL COSTS.

R LABOT CONFIGURATION

Liquid handling robot LABOT VR1

LABOT HW

Pipetting module: 1 - (6 - 8 - 12) - 16 channels
Pipette volume range: 0,5 - 1250 μL
Adjustable channel spacing: 4,5 - 19,8 mm
User-replaceable pipetting modules
Compatible with 24- to 384-well plates and tubes ranging from 0.5 mL to 15 mL

LABOT SW

SW libraries and custom code (Python)
Sample level detection software
Camera module – process documentation
Capability for remote supervision and monitoring
Easy operation via Excel spreadsheet

LABOT Services

Robot delivery and installation
Certified pipette calibration, including annual PM
Custom training in operation and programming
Software & hardware user support
Flexible sales or leasing arrangements

Key Technical Parameters

External dimensions:	590 x 455 x 400 mm Compatible with standard Class I and II laminar flow cabinets
Internal workspace:	330 x 390 mm
Workspace available for hardware setup	3x2 positions SBS format microplates with 24, 48, 96 up to 384 wells (ANSI SLAS 2-2004 (R2012) format), optionally up to 96 Eppendorf tubes, plus 3 narrow positions on the front edge for reagents, samples, or waste
Travel speed along XYZ axes	Up to 10000 mm/min ~ 17 cm/s
Weight:	18 kg

Additional user-selectable features can be customized through appropriate accessory options, incl. backlighting, robot enclosure, magnetic separation, sample vibration, etc. Dimensions and accessories are routinely adapted to meet the customer requirements.

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ROBOTS FOR AUTOMATED LABORATORY WORKFLOWS

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