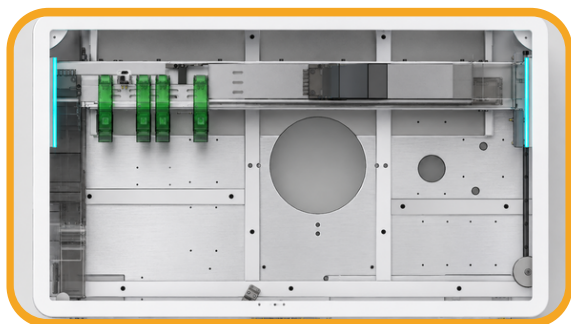


GMS BIOLAB 360 CORE

Automated and modular platform for biological and chemical processes.



GEMESIS



KEY FEATURES

- Fully integrated automation system
- Automated positioning and handling
- Modular architecture for multiple laboratory processes
- Customizable and upgradeable platform

01 - Executive Summary

The **GMS BIOLAB 360** is an automated system designed for biological and chemical processes.

It integrates motion axes, automation hardware, interfaces and protections into a single platform.

Its modular architecture allows the integration of several laboratory functions within the same working space.

Sample loading and unloading can be fully automated using side conveyors.

03 - Key Technical Specifications

Motion System

X stroke	300mm
Y stroke	700mm
Z stroke	150mm (Up to 5 Z-axes)
Working space	1000 x 600mm

Operating Conditions

Electrical supply	230Vac - 16A (1ph)
Power	3,5kW
Environmental constraints	Laboratory or industrial installation

04 - OPTIONS

Gripping / manipulator (Well plate, test tube, etc)
Pipetting
Centrifug (2000g)
water bath
Vacuum suction
Any process with pumps, valves, columns, etc
Other competitor OEM equipment can be integrated

02 - Applications

Application 1	Production processes
Application 2	R&D
Application 3	Analytical laboratories



05 - Physical Characteristics

Dimensions (L x W x H)	1350 x 800 x 1800mm
Empty weight	500Kg
Installation	Laboratory or industrial

06 - Key Advantages

- Fully adaptable to customer processes
- Compact laboratory-compatible design
- Modular and upgradeable architecture
- Automated process management
- Multiple laboratory functions
- On-wheel configuration
- Single-plug installation

07 - Services & Support

Installation	On-site commissioning by our engineers
Training	Operator & maintenance training programs
Maintenance	Preventive & corrective maintenance contracts
Upgrades	Modular extensions & software updates

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