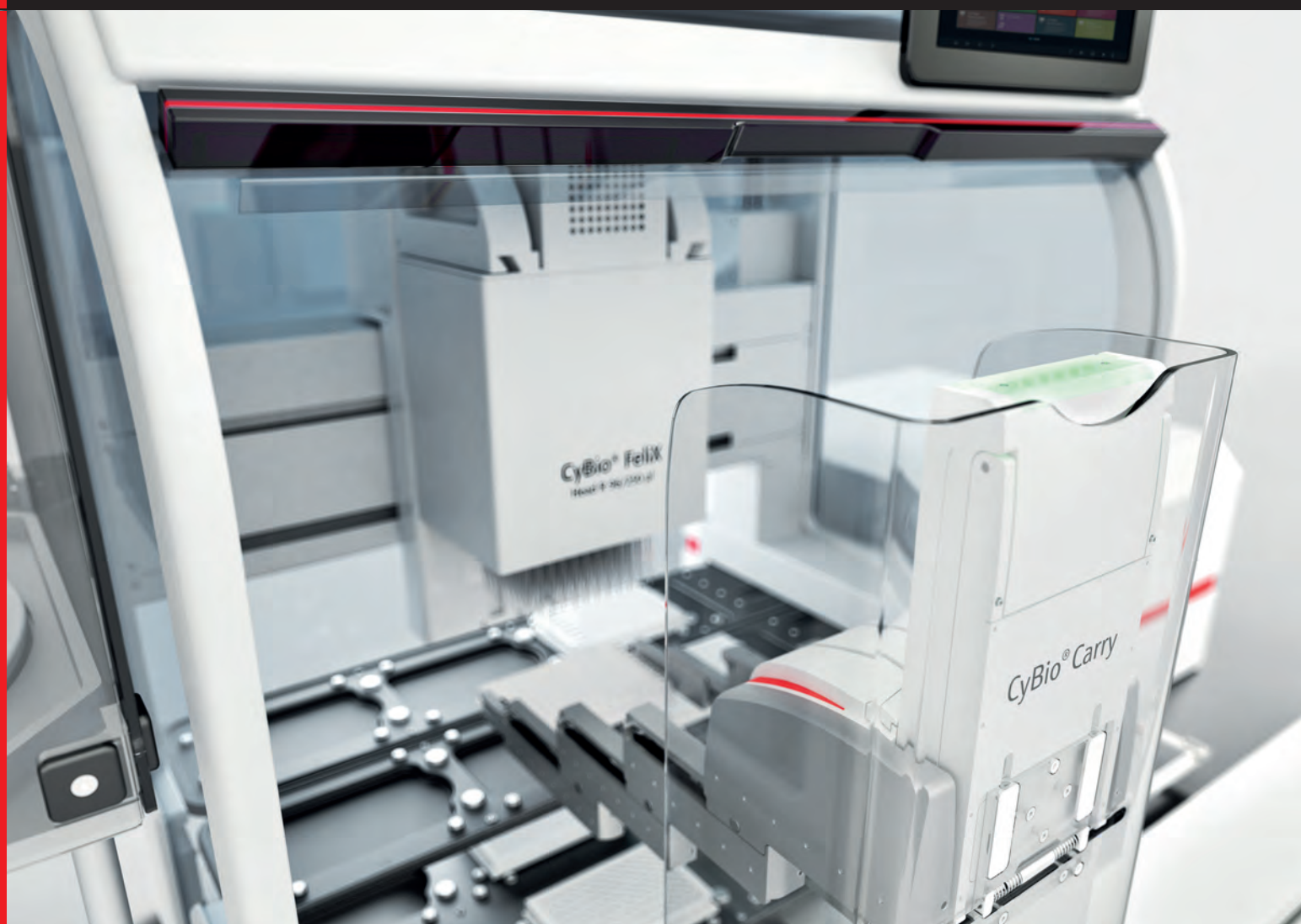


Labware Handling CyBio® Carry

Lab Automation





CyBio® Carry

Labware Handling

CyBio® Carry

It has never been easier to start with automation! Placed in front of your benchtop instruments, CyBio® Carry allows the evolution of proven manual procedures into reliable and highly efficient automated processes.

CyBio® Carry features:

- Next generation collaborating lab robot
- Simple setup with multiple instrument capability
- Safe and reliable
- Maintaining full instrument accessibility

Unlike a traditional laboratory robot, the ultra-compact labware handler perfectly suits requirements of automation within space-limited laboratories while maintaining full accessibility of integrated devices for standalone use.

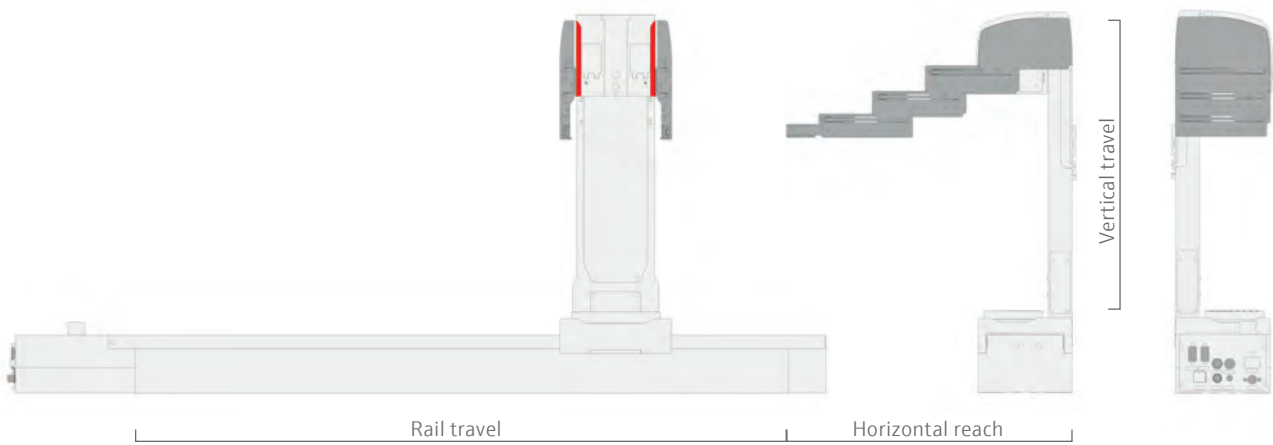
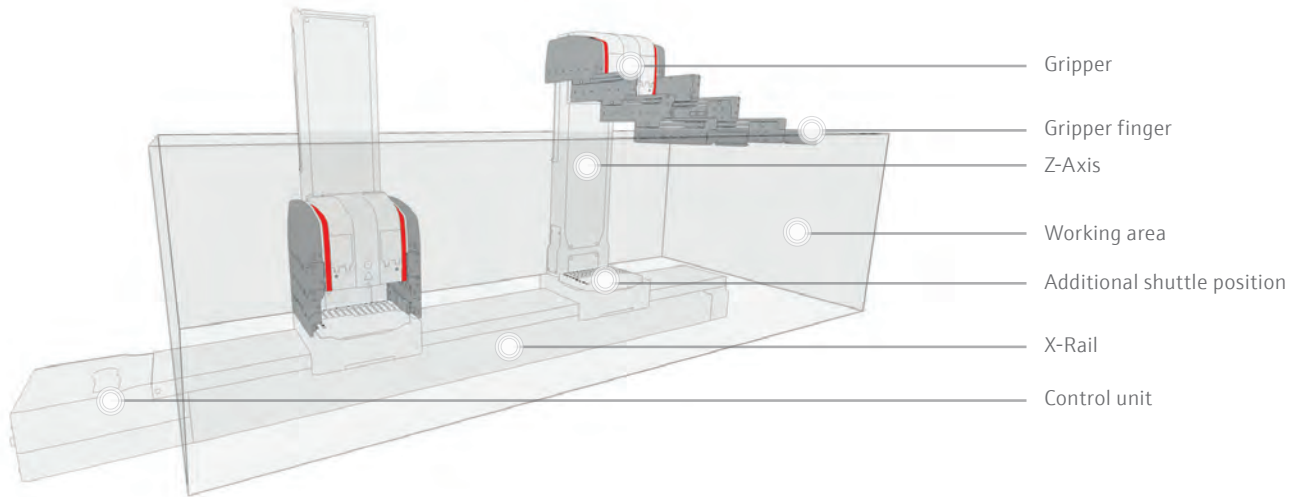
Designed to feature multiple instrument capability, the Cartesian 3-axis plate handler can be configured with different rail lengths accommodating a wide variety of peripheral instruments.

The patent-pending gripper mechanism supports multiple positions per device and includes object detection. An additional shuttle position is included and maximizes the flexibility. Rapid and quiet operation is complemented with ensured reliability and safety. Motor power disables automatically when the slightest unexpected obstruction is detected.

Harmonically integrated in CyBio® Composer, CyBio® Carry can be controlled with ease. The powerful scripting environment offers maximized functionality, smooth integration for a wide range of lab instruments, comprehensive database connectivity and a sophisticated fault security.



System Composition



Typical Application Setups

With the different rail lengths a wide variety of application can be configured.



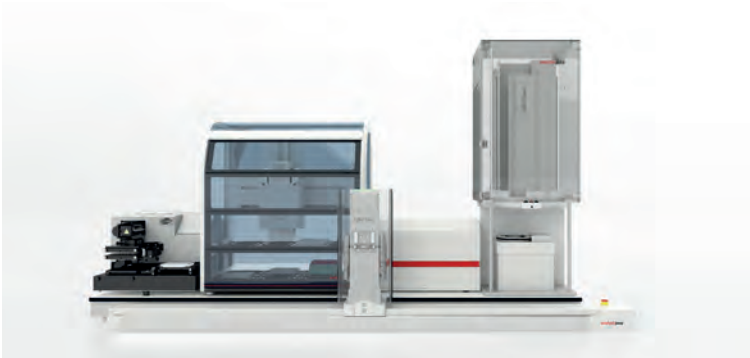
Fill, print and seal platform – 800 mm

CyBio® Carry 800 with CyBio® QuadPrint, Sealer (PlateLoc - Agilent) and Dispenser (MultiDrop™ Combi - Thermo Fisher Scientific)



qPCR platform – 1200 mm

CyBio® Carry 1200 with CyBio® FeliX, Analytik Jena qTOWER³ auto and Sealer (PlateLoc - Agilent)



ELISA platform – 1400 mm

CyBio® Carry 1400 with CyBio® FeliX, CyBio® QuadStack, Reader (FLUOstar Omega - BMG Labtech) and Washer (EL406 - Biotek)



Tube rack label and fill platform – 2000 mm

CyBio® Carry 2000 with CyBio® FeliX, CyBio® QuadStack, CyBio® QuadPrint, Decapper (LabElite™ DeCapper™ - Hamilton) and Washer (EL406 - Biotek)

Technical Data

System features

- Ultra-compact design fitting on standard lab bench
- Simple to use for all lab personnel
- Easy configurable
- Patent-pending collaborating robot with integrated object detection and operator security for maximized workflow integrity
- Sophisticated length design and 2 transport positions for a huge labware and device compatibility
- Quiet and fast operation
- Controlled by CyBio® Composer, offering >160 available plugins for lab instruments
- Safe and reliable

Max payload	0.5 kg
Vertical reach	250 mm
Horizontal reach	290 mm
Rail travel	X1 = 800 mm X2 = 1200 mm X3 = 1400 mm X4 = 2000 mm
Max rail speed	500 mm/s
Size (WxDxH)	(rail travel + 250) x 130 x 530 mm
Labware orientation	landscape
Labware compatibility	SBS compliant microplates including deep well microplates and skirted PCR plates
Plate detection	during grip
Plate transport	2 shuttle position at once, 1 microplate by gripper, 1 microplate by additional shuttle position
Control	CyBio® Composer via PC
Interface	RS232/Ethernet
Power supply	100 - 240 V AC

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Pictures: Analytik Jena AG
Subjects to changes in design and scope of delivery as well as further technical development!