Carries Your Workflow
CyBio Carry
CyBio Carry

The user-friendly CyBio Carry robot automates your workflow – with the smallest footprint on top of your lab bench.

Start Simple. Start Smart. Start Saving.
It has never been easier to start with automation!
CyBio Carry allows the evolution of proven manual procedures into reliable and highly efficient automated processes on your lab bench.

Start Simple
- **Friendly** – Easy integration & user-friendly handling
- **Profitable** – Reap the profits of automation without much effort

Start Smart
- **Familiar** – User oriented, from experts developed solutions
- **Safe** – Smart cobot for operator security

Start Saving
- **Compact** – Optimized usage of available lab space
- **Flexible** – Scalable integration of different devices

Unlike a traditional laboratory robot, the CyBio Carry is perfectly suited for labs with limited space. Its smart design allows you to maintain full accessibility of integrated devices for stand-alone use. Additional shuttle position maximizes flexibility with integrated smart object detection for safety and reliability. Plus, with the CyBio Carry's positioning kit you can add devices simply, quickly, and reliably.

Harmonically integrated in CyBio Composer Software, within the user-friendly editor for teaching and configuring
CyBio Carry
Carries Your Workflow
Lab Bench Automation With CyBio Carry

With the different rail lengths, a wide variety of possible applications can be configured.

**Fill, print and seal platform – 800 mm**
CyBio Carry 800 combined with CyBio QuadPrint labware stacker/barcode printer (Analytik Jena), PlateLoc Sealer (Agilent) and MultiDrop™ Combi Dispenser (Thermo Fisher Scientific)

**qPCR platform – 1200 mm**
CyBio Carry 1200 combined with CyBio FeliX automated liquid handler, qTOWER³ auto qPCR-cycler (Analytik Jena) and PlateLoc Sealer (Agilent)

**ELISA platform – 1400 mm**
CyBio Carry 1400 combined with CyBio FeliX automated liquid handler, CyBio QuadStack labware stacker (Analytik Jena), FLUOstar Omega-Reader (BMG Labtech) and EL406-Washer (Biotek)

**Tube rack label and fill platform – 2000 mm**
CyBio Carry 2000 combined with CyBio FeliX automated liquid handler, CyBio QuadStack labware stacker, CyBio QuadPrint barcode printer (Analytik Jena), LabElite™ DeCapper™ (Hamilton) and EL406-Washer (Biotek)
System Composition

General designations

- Gripper
- Working area
- Gripper finger
- Z-Axis
- Additional shuttle position
- X-Rail
- Control unit

Positioning kit

- Equipment
- CyBio Carry
- Fixation points CyBio Carry
- Positioning kit
- Equipment foot trap
## Technical Data

### System features
- Ultra-compact design that fits on your standard lab benches
- Simple and easy workflow automation
- Smart configuration using our novel device positioning kit
- Collaborating robot (Cobot) with integrated smart object detection
- Maximized workflow integrity with operator security
- Sleek design optimizes ability for CyBio Carry to accommodate a broad spectrum of both instruments and labware
- Automated operation for a minimum hands-on-time
- Operated using our CyBio Composer software that includes over 160 plug-ins for 3rd party devices.
- Safe and reliable platform that ensures maximum user and sample safety

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max payload</td>
<td>0.5 kg</td>
</tr>
<tr>
<td>Vertical reach</td>
<td>240 mm</td>
</tr>
<tr>
<td>Horizontal reach</td>
<td>290 mm</td>
</tr>
<tr>
<td>Rail travel</td>
<td>X1 = 800 mm</td>
</tr>
<tr>
<td></td>
<td>X2 = 1200 mm</td>
</tr>
<tr>
<td></td>
<td>X3 = 1400 mm</td>
</tr>
<tr>
<td></td>
<td>X4 = 2000 mm</td>
</tr>
<tr>
<td>Max rail speed</td>
<td>500 mm/s</td>
</tr>
<tr>
<td>Size (WxDxH)</td>
<td>(Rail travel + 250) x 130 x 530 mm</td>
</tr>
<tr>
<td>Labware orientation</td>
<td>Landscape</td>
</tr>
<tr>
<td>Labware compatibility</td>
<td>ANSI SLAS compliant microplates including deep well microplates and skirted PCR</td>
</tr>
<tr>
<td>Labware detection</td>
<td>On additional shuttle position</td>
</tr>
<tr>
<td>Labware transport</td>
<td>2 shuttle position at once, 1 microplate by gripper, 1 microplate by additional shuttle position</td>
</tr>
<tr>
<td>Control</td>
<td>CyBio Composer via PC</td>
</tr>
<tr>
<td>Interface</td>
<td>RS232/Ethernet</td>
</tr>
<tr>
<td>Power supply</td>
<td>100 - 240 V AC</td>
</tr>
</tbody>
</table>