

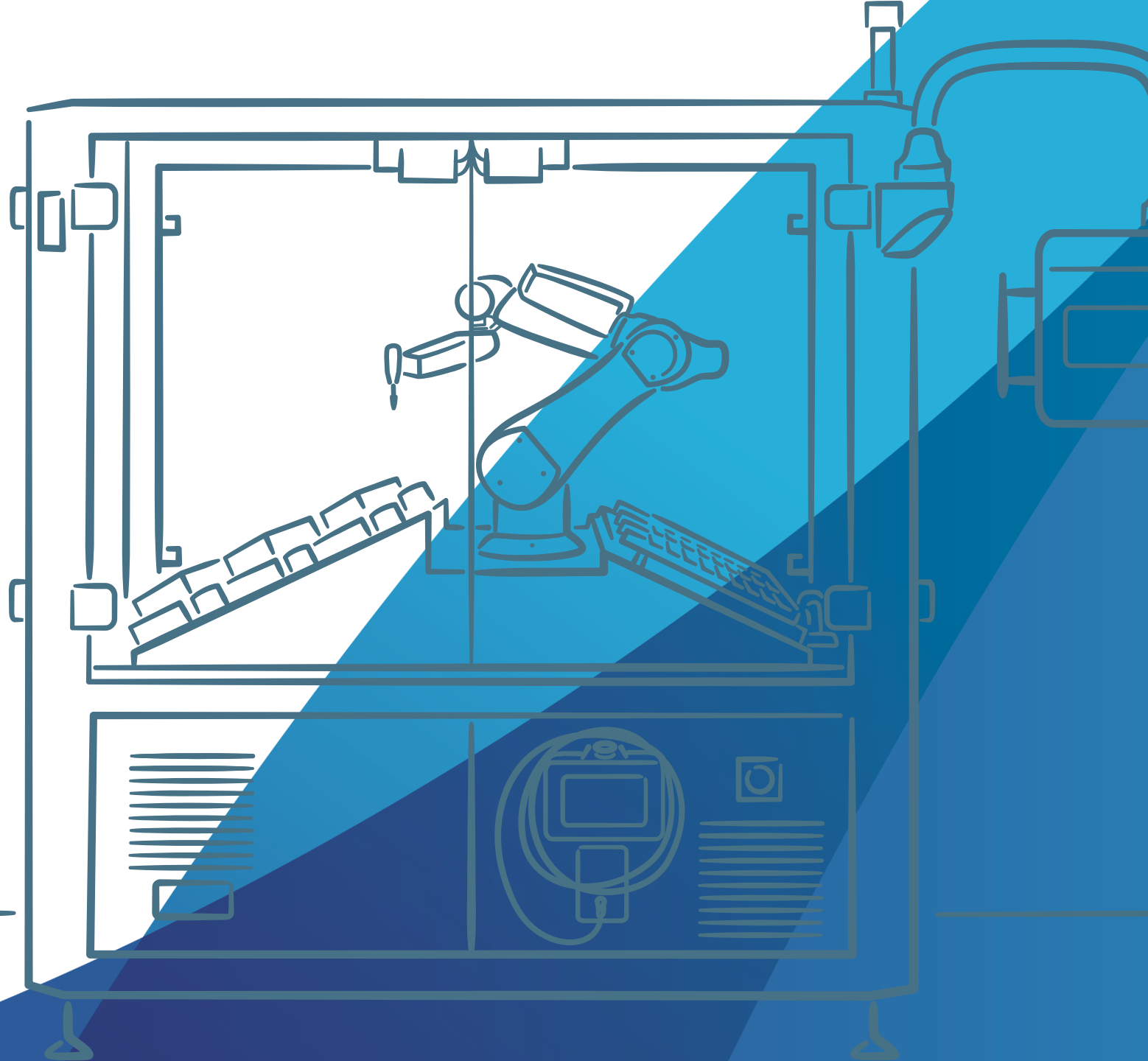


QC Sample Split



Pharma
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RAYA 2024 Finalist Event



Speakers



Jonathan Müller
Lab Automation Partner



Fabian Stutz
CEO



Drivers for the Automation of this Process



Relieve employees and create time for other tasks



Improve quality and traceability



Shorten lead time of the process



Create awareness for robotics and new technologies

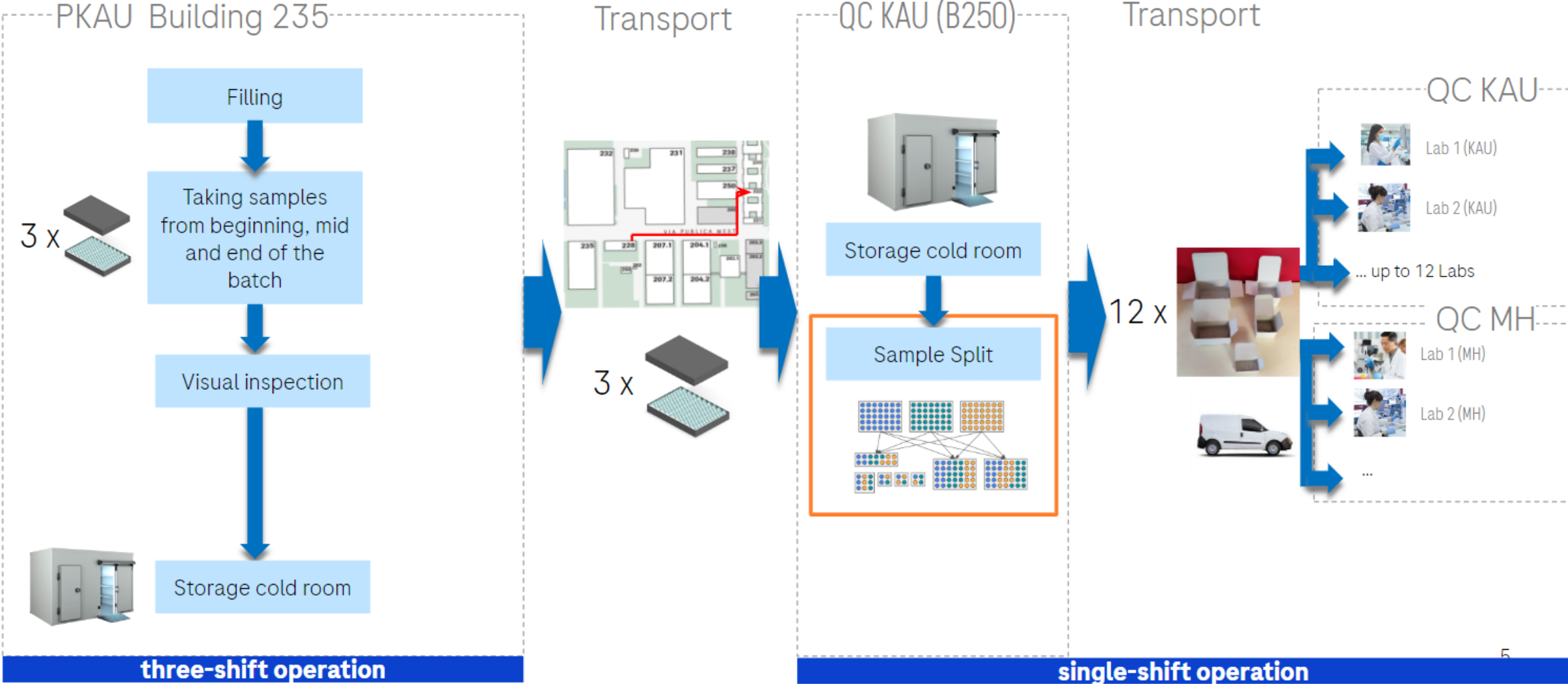


Generate ideas for new projects



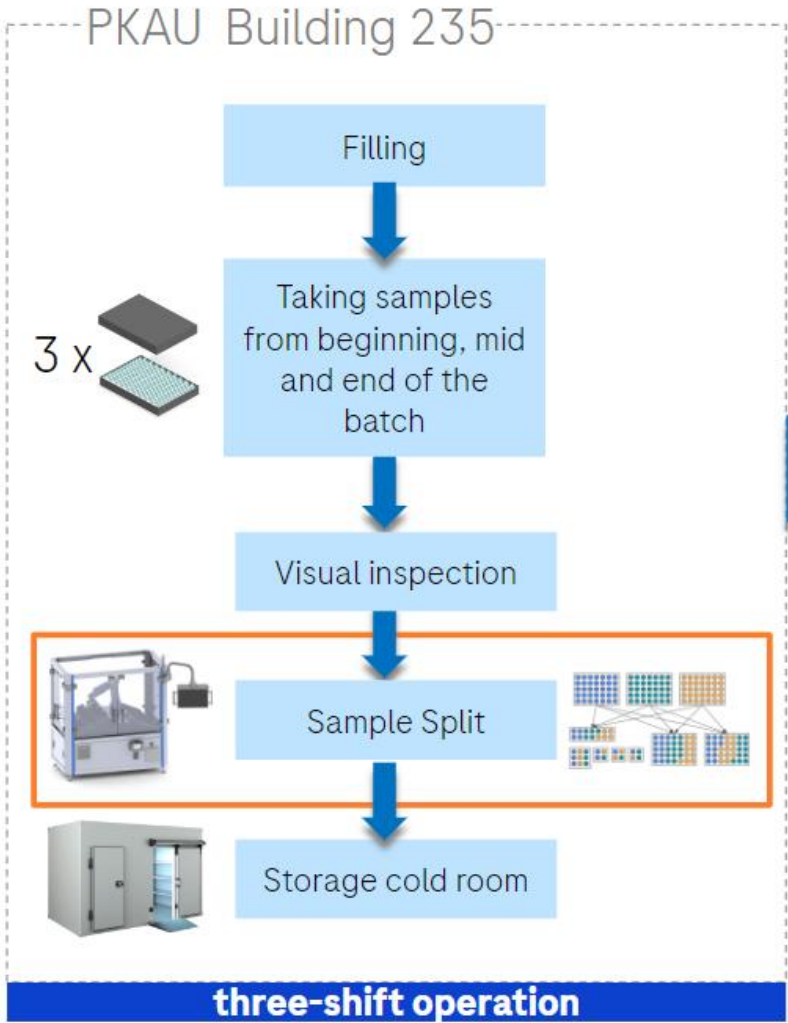
Sample Handling Process Kaiseraugst QC

Processflow as it is right now

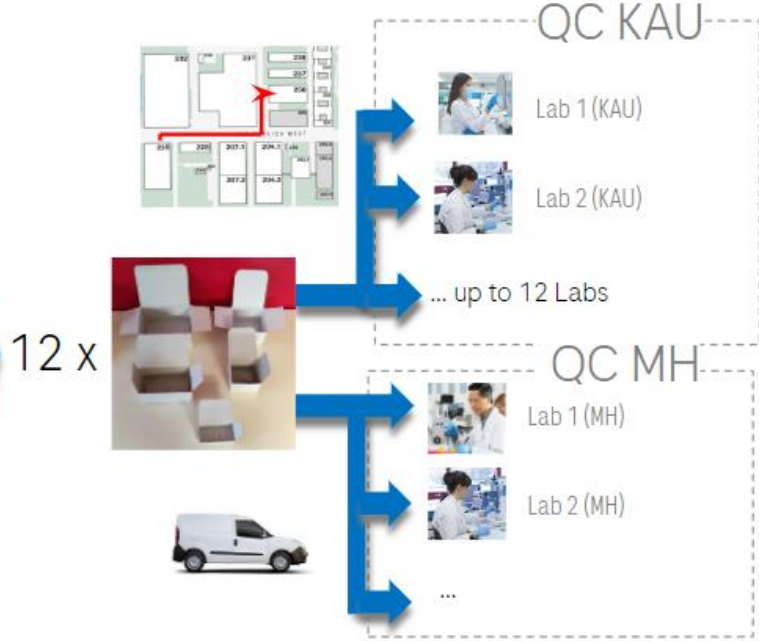


Sample Handling Process Kaiseraugst QC

Process flow as it could be in the future



Transport



single-shift operation

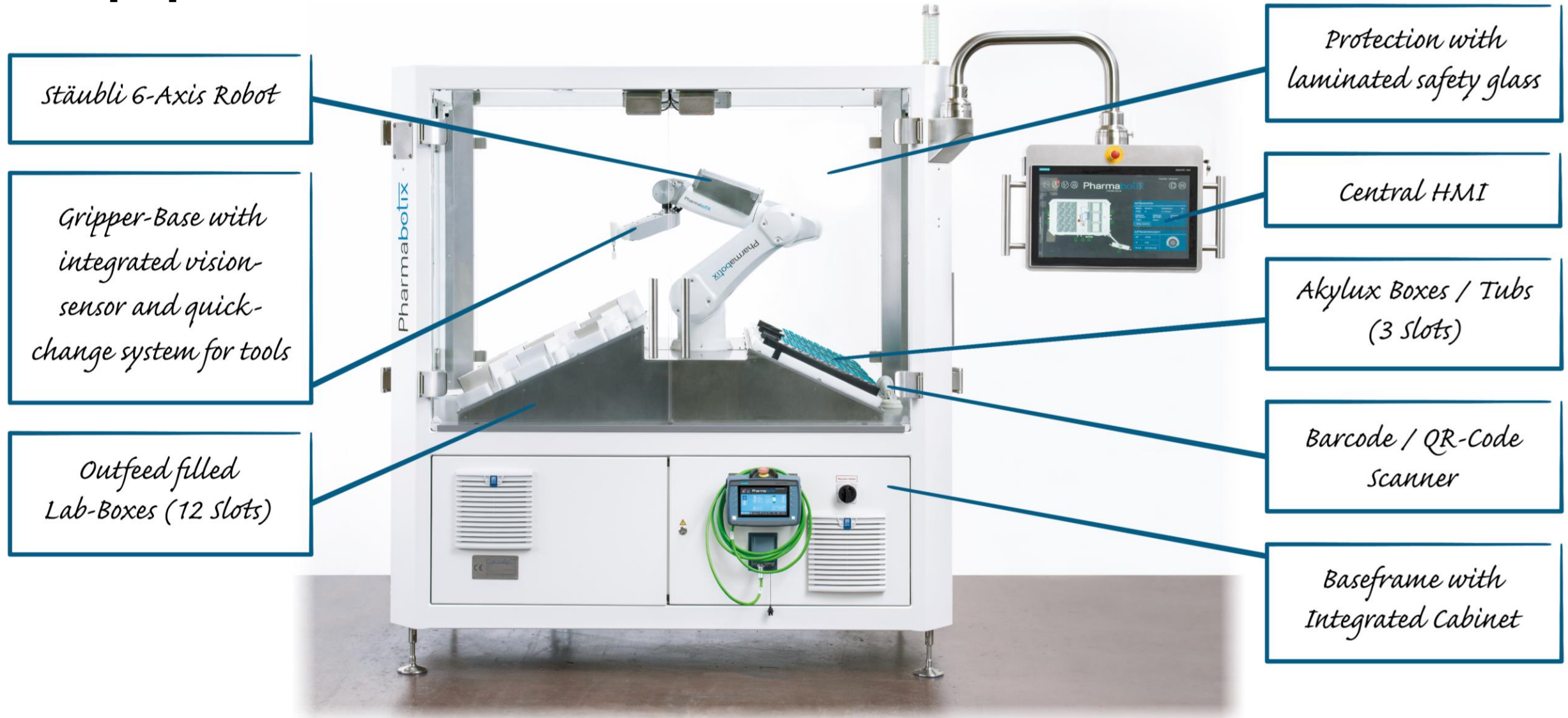
Requirements

- Splitting Vials according to Split-Plan
- Akylux Boxes: 2 types
- Laboratory Boxes: 5 types
- Vials: 5 types
- Flip-Off Caps: 16 colors
- Possible future needs:
 - RTU-Tubs
 - Syringes
 - Re-Packaging Tubs <-> Akylux Box





Equipment overview



Gripper & HMI



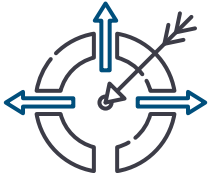
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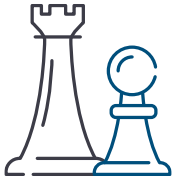
Design & Cleanability



Summary

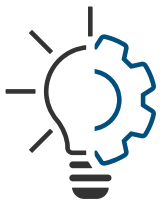


Attractiveness: - Design enables various cases in QC, Lab, repackaging areas



Flexibility

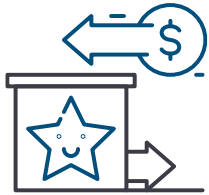
- Adjustable slots for Tubs, Akylux Boxes, Lab Boxes
- Robot handling of Vials & Syringes



Easy operation

- Graphical User interface insures smooth, recipe-based product changeover
- recipe / product-based, calculated positions make robot teaching unnecessary

Summary



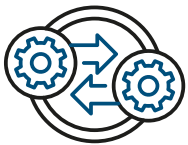
ROI

- Between 3 year < 5 years due to cost reduction & quality increase



Plug and play

- all shipped on one Baseframe – becoming operation after 1.5 days

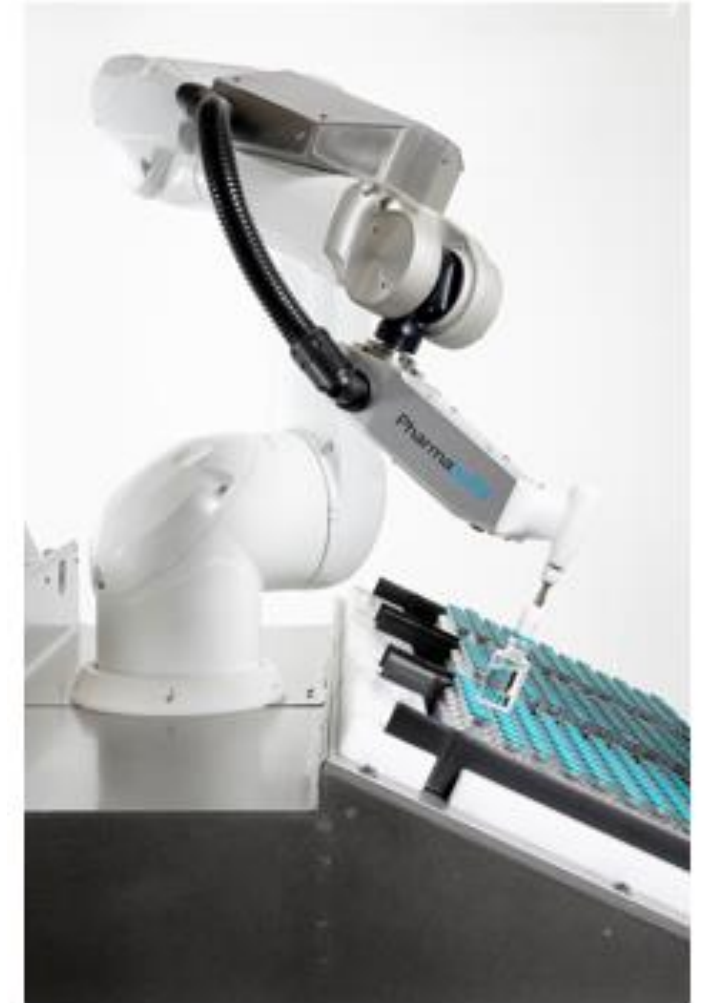


Integration

- Anyone can buy it, apply without customization, but requires qualification

Your vote for the audience award

The QC Sample Split Automation is a **cutting-edge robotic solution** designed for the future. It delivers high performance in a **compact footprint**, with a **flexible design** that allows for seamless expansion **and easy cleaning**. The **intuitive graphical interface** makes operation simple and efficient, **maximizing productivity**.

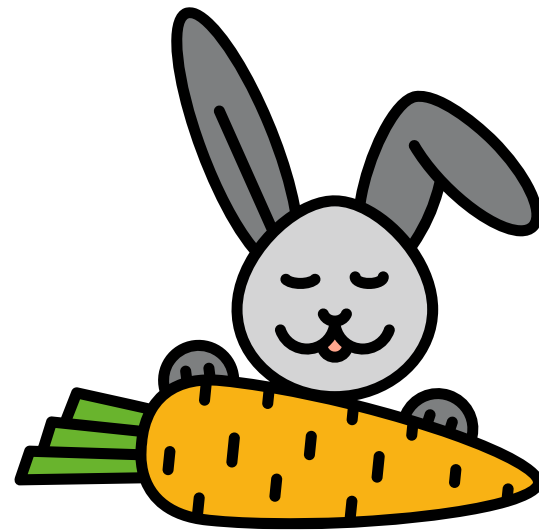


Your vote for the audience award



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PS: Don't forget, it handles Easter Eggs too! But we'll stick to samples for now...





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Thanks for your attention

