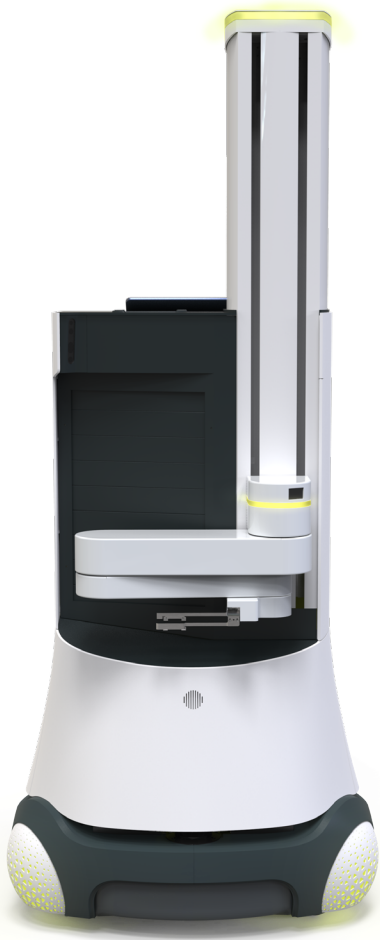


Kevin[®]

Your mobile lab partner and collaborator.

PRODUCT DATASHEET



Turn any Lab into an automated lab. With Kevin, instruments no longer need to be tied to one specific system. Now workflows can be developed with instruments in another room, on another floor and even in another building.

Manipulation. From liquid handling instruments to table top plate nests, from microtiter plates to tube racks. The onboard PreciseFlex SCARA robotic arm from Precise Automation gives Kevin maximum flexibility to interact with a wide range of instruments and handle various types of SBS format consumables.

Perception. Advanced 3D perception sensors give Kevin the ability to perform repeatable and reliable plate handoffs in both illuminated and dark environments.

Autonomous Navigation. Kevin's state of the art navigation capabilities and omnidirectional drive allow for fully autonomous operation in dynamic and narrow environments like research laboratories.

Onboard Hotel. Kevin comes with a lockable and reconfigurable automated plate hotel with capacity for up to 24 standard height microtiter plates.

Multimodal and interactive User Interface. Kevin communicates his status via various audible and visual cues. By combining these elements Kevin can quickly communicate both status and current tasks to nearby users. The interactive and detachable onboard touch interface provide users with a simple yet powerful tool to configure Kevin with.



Access Area

ACCESS AREA ARM

Radius 77 cm

h_{\min} 51 cm - h_{\max} 134 cm (depending on configuration)

Reach on bench < 50 cm

RECOMMENDED PASSAGE WIDTH

120 cm +

BATTERY RANGE

6 - 12 hours

WEIGHT

165 kg

COMMUNICATION

Wifi 5 GHz Network

SOFTWARE INTEGRATION

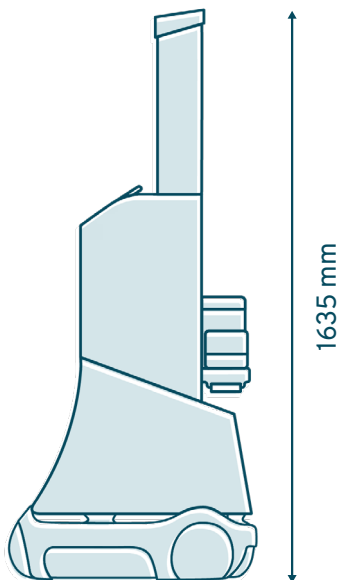
SiLA 2 / (OPC-UA - in development)

TRANSPORT CAPACITY

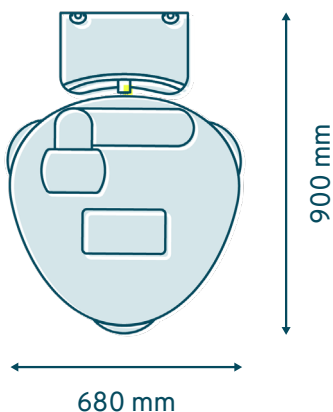
Lockable Plate Hotel for up to 24 standard MWPs
(30mm pitch - adjustable)

INTERFACE

Detachable and inductively chargeable touch interface
Light Elements (tower light, shoulder light, platform light)
Microphone
Speakers



1635 mm



680 mm

900 mm