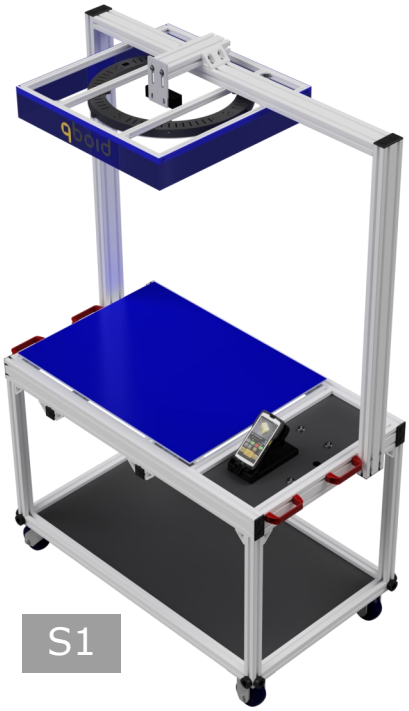
PRELIMINARY

perceptor S1

qboid
www.qboid.ai

Accessory Cart for the QBOID M2 for Fast Weigh and Dimension



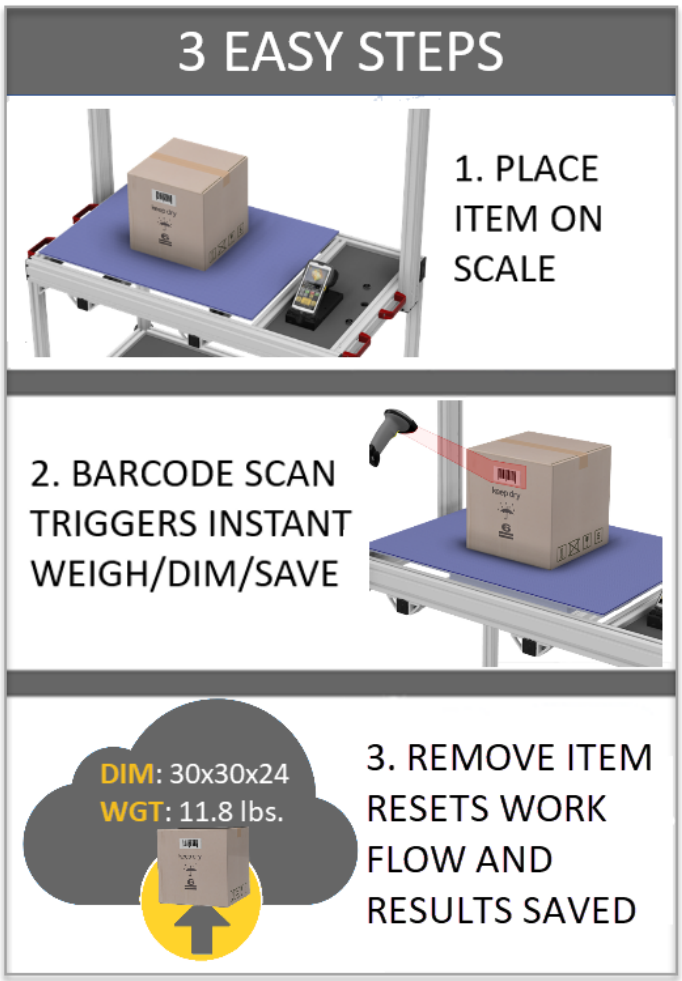
The S1 accessory cart is ideal for use cases where there is bulk of items situated nearby the S1, needing a dimension and weight scan, as in an outbound manifesting use case. The S1 workflow has been optimized to provide high throughput and minimal operator interaction. In its Cart configuration, the lightweight S1 Cart can be moved to any location, thus creating a pop-up dimension and weigh capability.

The S1 integrates a weight scale, a special scale surface, an overhead 3D color sensor with a programmable RGB LED light ring for advanced computer vision perception software updates that QBOID plans to offer in the future.

An M2 is required, and plugs into the S1 to serve as the 'brain' for the S1, providing all vision and scale data processing, as well as SD card storage and real-time WiFi uploading to a server, using the standard QBOID data API. The M2 is detachable at any time for handheld mobile use.

ADVANTAGES OF PERCEPTOR S1

- Precision scale, overhead 3D sensor, RGB LED illumination, and new computer vision software multiply the power of QBOID M2 for high throughput usage
- Capture item weight + dimension/shape all together in 0.25 seconds
- Barcode scan triggers M2 to scan both weight and dim and then saves results autonomously to SD card as well as uploading via QBOID WiFi API
- Workflow and UI auto resets for next item as current item is moved off S1
- S1 auto-calibrates before every scan
- Available in a lightweight Cart on wheels, or also a Tabletop configuration



Contact QBOID at INFO@QBOID.AI

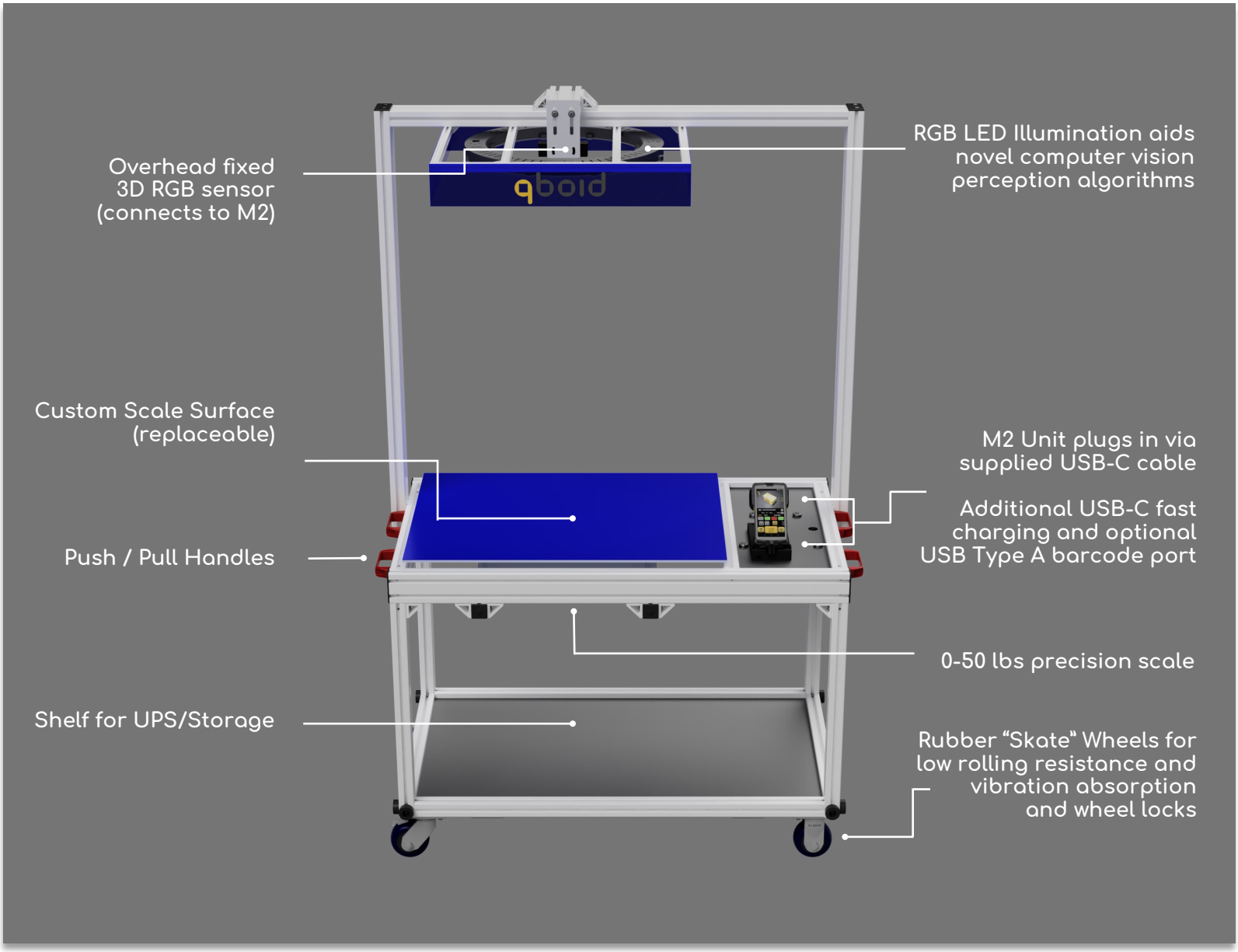
PRELIMINARY

perceptor S1

qboid
www.qboid.ai

SPECIFICATIONS

Cuboidal Accuracy	+/- 5mm
Irregular Accuracy	+/- 10mm
Structure Size	1200mm x 700mm x 2000mm
Weight	150 lbs (not including any UPS/portable power source)
Max Object Size	L: 80cm, W: 60cm, H: < 50cm (depends on L and W)
Min Feature Size	All features must be > 2cm to be dimensioned
Power Consumption	Approximately 20W. The S1 requires 110VAC power
Material Limitations	Highly transparent, specular, and black materials not supported.



Contact QBOID at INFO@QBOID.AI