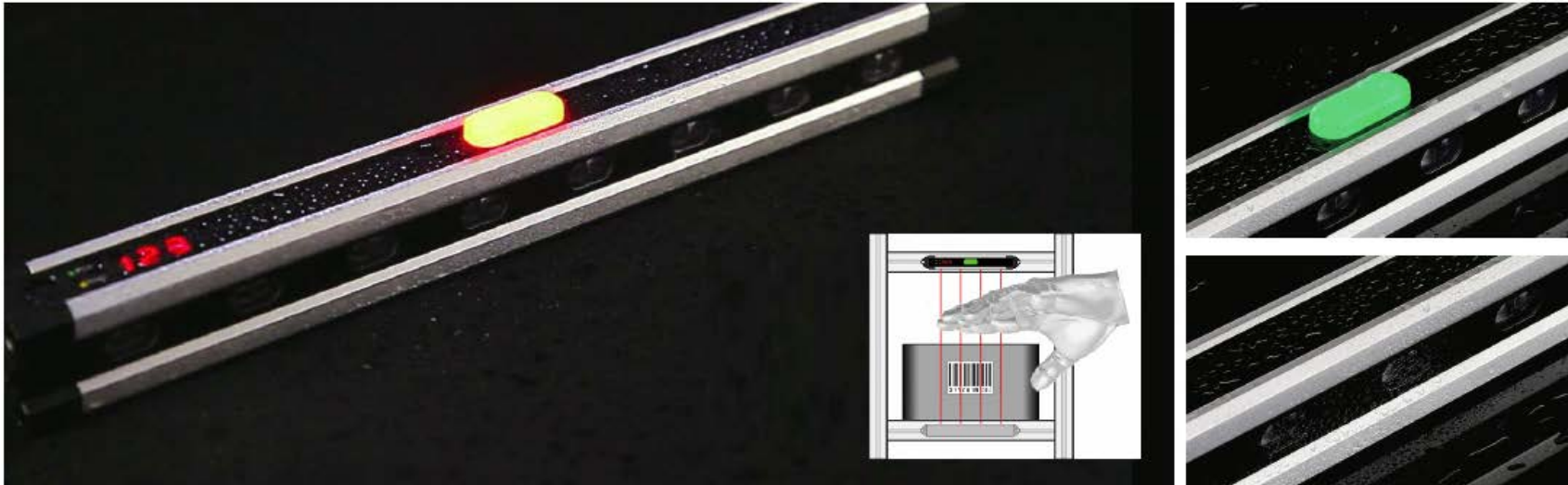
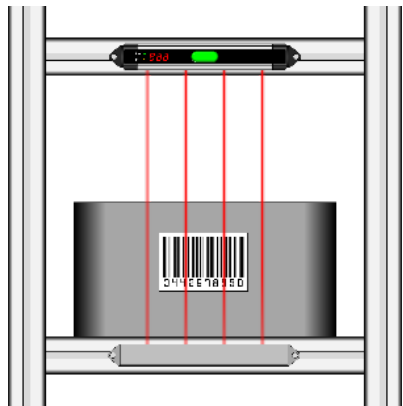
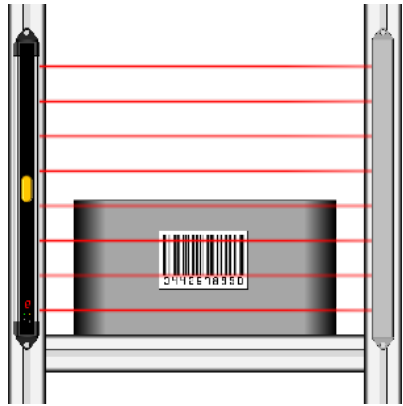




Improving the Picking Process with PVR Series



Product Overview



- ▶ Available for IO and IB (Smart-Bus)
 - ▶ Controller can be provided for IB type
 - ▶ Up to 120pcs can be used per controller
- ▶ IO type offers have 3 LED colors (Red/Green/Yellow)
- ▶ IB offers 7 LED colors (Red/Green/Blue/Yellow/White/Magenta/Cyan)
- ▶ A digital display is available on IB type
- ▶ All PVRs require a reflective tape to reflect the infrared signal from device
 - ▶ 130cm maximum allowable distance between PVR a reflective tape
- ▶ Horizontal or vertical installation

Application Samples for PVR



IB type: Pick-to-light

- ▶ Worker imports the picking list
- ▶ PVR signals with a green light to indicate the location to be picked
- ▶ During picking, the PVR detects the worker's hand and signals a yellow light to indicate that the job is in process
 - ▶ If the light turns red, it indicates the worker that the wrong location is being picked
- ▶ Once the worker picks the material out the light would turn off indicating that the next location can be picked accordingly



IO Type: Workshop (building an assembly)

- ▶ At the time the system has been instructed of which assembly is going to be built, it will activate the green light on each PVR picking location (one at a time) based on the programmed picking sequence
- ▶ During picking, the PVR detects the worker's hand and signals a yellow light to indicate that the job is in process
 - ▶ If the light turns red, it indicates the worker that the wrong location is being picked. Audio signals can also be incorporated to alert the worker
- ▶ Once the worker picks the parts out the light would turn off indicating that the next location can be picked accordingly



IO Type: Workstation Sample

Without PVR



With PVR





Benefits

Decreases worker training time

Faster picking operation due to light-guided and touchless system

Minimizes human error by alerting when wrong locations are being picked

It can be installed in current shelving fixtures

Suitable for small or large projects