



## PPTL 2.0

# Pick-Put-to-Light 2.0

## Product Description

Picking and replenishment processes account for up to 70% of operating cost in a warehouse and therefore, stays at high priority for warehouse professionals. A semi-automatic solution like GreyOrange PPTL enhances productivity close to double, and hence brings the cost down significantly.

GreyOrange PPTL solution, a visually directed picking or put-away solution for sorting or consolidation, enables operators to speed up the order fulfillment cycle with higher accuracies, near 100% tracking, and real-time exceptional handling.



# Key Application



## Order Picking

On the basis of the order pick list, the PPTL indicator glows directing the operator to pick the item from the exact location. The operator confirms the pick operation by acknowledging the PPTL. The process can be customised for unit picking, batch picking and even picking using pick carts/trolleys.



## Order Consolidation

PPTL helps the warehouse operator to consolidate multiple orders simultaneously in a smaller area with higher accuracy.



## Inventory Replenishment

PPTL directs the operator to put the scanned SKU to required storage area/locations in the warehouse, helping operators perform inventory replenishment in an optimized flow.



## Last-Mile Secondary Sorting

When an operator scans the barcode on the packet, the light indicator glows directing the operator to put the packet associated with the right location and thus enabling sorting of packets until the last mile sorting destination.



## Order Returns Processing

PPTL can be configured to handle returns enabling smoother optimized operations in the warehouse, thereby reducing the operating costs.



## Kitting

Production/requirement plan is uploaded, basis which kits are created. The light indicator and PPTLs in that location get activated in sequential order by glowing and communicate the number of items to be picked.

# Benefits

## Efficiency

It increases the order picking efficiency manifold.

## Accuracy

Ensures avoidance of errors while continuously sorting thousands of packets.

## Integration

It integrates with most popular or proprietary enterprise systems.

## Flexible

Supports custom process flows, as per customer's business needs.

## Rugged

GreyOrange PPTL is a simple but robust system that is maintenance free and offers easy troubleshooting.

## Reliable

It is a highly reliable system that ensures minimal downtime of your process.



# System Functionality



# Use Case

Customer Profile	Use cases	Value Add
<ul style="list-style-type: none"> <li>• Distribution centre, avg. warehouse throughput: 70K – 80K items per day</li> <li>• Sortation destination: Stores ( 65 – 100 )</li> <li>• Peak throughput &gt; 1 Lakh items per day</li> <li>• Sorting window &lt; 8 hours</li> <li>• Warehouse size &lt; 2500 sq ft. to 50,000 sq ft. (smaller DCs but higher in numbers)</li> <li>• Parcel variability – retail FMCG small parcel (500 X 500 X 500 mm)</li> </ul>	<ul style="list-style-type: none"> <li>• Application: Item consolidation, case-wise and item-wise</li> <li>• Picking: Batch pick-inbound from vendors, stores return,</li> <li>• Variability: Multiple number of SKUs</li> <li>• Exceptional cases: Order cancellations, material shortage, space shortage, cut-offs, OEM boxes, items, vendor boxes, totes for grouped items</li> <li>• Overheads: Inaccuracies, high dependencies on human intervention, exceptional cases</li> <li>• Enabling 24 hour delivery</li> </ul>	<ul style="list-style-type: none"> <li>• Reduction in up to 50% manpower</li> <li>• Increased accuracy, streamlined operations</li> <li>• Automatic re-conciliation of data and physical quantities</li> <li>• Easy tracking of productivity zone-wise, special categories of inventory</li> </ul>

# The GreyOrange Advantage

- Managing holistic and seamless customer experience - from designing solution to providing world-class integration and installation services, followed by unmatched warranty and maintenance support.
- Modular architecture to scale-up on-demand, as per the changing customer requirements.

## About GreyOrange

GreyOrange is a multinational technology company that designs, manufactures and deploys advanced robotics systems for automation in warehouses, distribution and fulfillment centers. Through the use of flexible automation, the power of AI and exceptional customer service, we work closely with businesses to recognize their needs, optimize the supply chain and enhance process efficiency. As we prepare businesses for the future, our customers can focus on what they do best: create, sell and innovate. We help our customers evolve their business, without sacrificing what makes it unique. Founded in 2011, GreyOrange is headquartered in Singapore with offices in India, Japan, Germany and USA, and three state-of-the-art research and development centers in USA, Singapore and India.

To know more, visit [GreyOrange.com](http://GreyOrange.com).



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