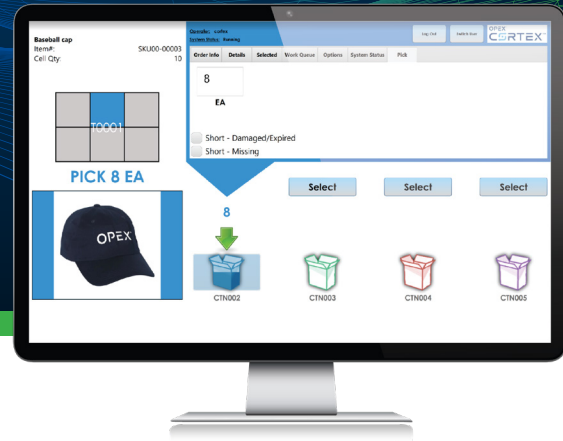


OPEX[®] CORTEX[®]

Order Fulfilment Software Platform



WHY CORTEX[®]?

The OPEX[®] Cortex[®] software platform offers an integrated order fulfilment solution for the OPEX goods-to-person systems while providing a unified, yet intuitive operator experience. Advanced algorithms maximise productivity rates by connecting your warehouse management system (WMS) with OPEX warehouse automation solutions. Cortex manages the picking and inventory aspects of a distribution centre and within the racking structure, it ensures operator effectiveness, and drives unique business logic. Simple interfaces and APIs have been developed, allowing Cortex to integrate into most WMS systems, whether homegrown or Tier 1.

FEATURES

INTUITIVE OPERATOR EXPERIENCE

The modern user interface guides operators easily with visual information such as product images, an overhead projector which lights up the portion of the tote containing the items and a pick-to-light indicator that highlights the order container.

OPTIMISED WORKFLOWS

Cortex supports all types of picking workflows, from the most simple tables with a hand-scanner to fully automated workstations that move a wide variety of boxes and containers. Pick-to-frame provides a multi-level grid of pick-to-lights highlighting the active order on mobile carts placed behind the frame.

WMS AGNOSTIC PLATFORM

Order creation interface (OCI) allows easy data exchange between WMS and Cortex software using a database-to-database interface. It interfaces with virtually every commercially popular WMS brand in addition to homegrown systems.

DYNAMIC PICKING AND REPLENISHMENT

Cortex software allows for the management of inventory and drives the selection of the appropriate inventory location. Proprietary algorithms maximise space utilisation within the racking structure, ensure operator effectiveness, and drive unique business logic. Business rules, including lot control, expiration dates, unique item classification rules, and more, are used to meet your business needs.

ADVANTAGES

FLEXIBLE

The system is configurable to provide the flexibility and functionality needed for you, including value adds such as label printing for items that need to be tagged, serial number scanning to track items picked to a specific order, and other verification steps for quality assurance.

PERFORMANCE

Achieving the highest level of performance is key to Cortex operations. This is accomplished in a variety of ways, including eliminating any unnecessary lag times to providing highly visible operator instructions.

FAST TRAINING

New hires or temporary workers can be trained quickly and operate the system in minutes using modern visual and light-directed commands.

CUSTOM DESIGN

The same team that developed OPEX's Perfect Pick[®] goods-to-person solution also created Cortex software, utilising their in-depth knowledge to create a tight integration and seamless operator experience.

WHAT ARE YOUR OPERATIONAL NEEDS?

Picking	Operator-centric picking environment optimised for performance and accuracy uses combinations of user interfaces, pick-to-lights and cell projectors for visual guidance.
Replenishment	Replenishments are performed through multiple workflows including, automated or pallets. Allows for replenishment to be interleaved with picking when desired.
Inventory Alignment	Methods and procedures for scheduling and performing cycle counting, both continuously or planned.
Hot Actions	A flexible way to access inventory procedures such as hot picks, hot replenishments and cycle counts when needed.
WMS Interface	Cortex interface allows integration with most WMS systems, both on-premise and cloud-hosted systems.
Inventory Controls	<p>Wide range of methods to optimise storage utilisation and inventory rules, like:</p> <ul style="list-style-type: none"> • Top-off • Calculated cubing • Empty cell priority • FIFO • Empirical cubing • Lot control • FEFO • Single pick priority • Serialisation
Security	Secure system deployed on-premise behind customer IT infrastructure.
Peripherals	Hand Scanner, Label printer, Counting Scale

WHAT'S YOUR WORKFLOW?

Automated OPEX workstation



Pick-to-table



Replenishment from pallet



Pick-to-light frame



Have questions?

Contact us.

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OPEX[®]