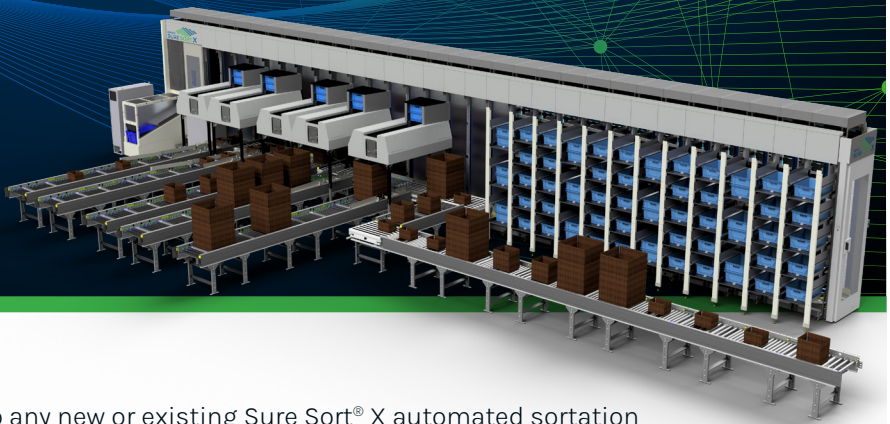


OPEX[®] XTRACT[™]

Automated Order Retrieval, Takeaway, and Dispensing



WHY OPEX[®] XTRACT[™]?

OPEX[®] Xtract[™] is a revolutionary complement to any new or existing Sure Sort[®] X automated sortation system. The integration of Sure Sort X with Xtract automates not only the task of sorting items into totes but also the additional task of retrieving the totes and transferring their contents into a shipping container. The result is a one-touch solution that can eliminate the need to assign employees to sorting and boxing items.

Implementation of Xtract introduces an additional type of iBOT[®] to those used by the Sure Sort X: the Xtract iBOT. The Xtract iBOTs are designed to operate alongside the original sortation iBOTs that are already found in any Sure Sort X. To enable the transfer of sorted items, integration of Xtract with a Sure Sort X also requires replacing the traditional Sure Sort X totes with a new “bomb bay” style of tote: the Xtract tote. Items are sorted into the assigned Xtract tote by the sortation iBOTs and then, once the Xtract tote has received all items applicable to an order, an Xtract iBOT removes the tote and moves it to a Roller, V-Chute, Transfer (RVT) Module where its contents are automatically unloaded and dispensed into a shipping container, whether that container be a box, tote, or other means of transport.

Conveyors move the shipping containers and, optionally, the Xtract totes themselves, to and away from Xtract locations of the Sure Sort X for complete integration with the rest of your order fulfillment or distribution center operations.

FEATURES

XTRACT iBOT[®]S

Carrying payloads of up to 30 lbs, the Xtract iBOTs operate simultaneously with Sure Sort X sortation iBOTs. Moving in a loop that has both horizontal and vertical segments within the Sure Sort X aisle, Xtract iBOTs can handle up to 200 totes extracted per hour, are self-charging, and can easily be added or removed from the system.

XTRACT TOTES

Xtract totes are uniquely designed to efficiently transport items from the sort location to any available Xtract system of a Sure Sort X. The Xtract totes are removed by the Xtract iBOTs and transported to the Xtract RVT belts, there, the Xtract tote's doors open and release the items onto the belt of a transfer conveyor which loads them into the final order box or container.

XTRACT TOTE INPUT & OUTPUT (I/O) MODULES

Xtract also supports workflows that require the performance of supplemental, value-added process steps of an order fulfillment process at locations remote from the Sure Sort X. This is achieved by using Xtract iBOTs to shuttle totes into and out of the Sure Sort X via one or more Xtract I/O modules.

RVT (ROLLER, V-CHUTE, TRANSFER) MODULES

These modules facilitate the receipt of items from the XTRACT totes, their transfer into a container (e.g. an order box), as well as the insertion, staging, and position of order boxes to enable the transfer. Completed order boxes are restored to the flow for downstream routing and processing. They support multiple box order sizes, totes, bags, and more. With the ability to have up to five (5) modules, throughput rates of up to 1,800 items per hour can be sorted on the overall system.

ADVANTAGES

HIGH THROUGHPUT

Sure Sort X with Xtract excels in throughput, processing up to 1800 units sorted and 200 orders extracted per hour. This swift operation minimizes delays, enhancing overall efficiency and customer satisfaction.

VERSATILE WORKFLOW

Simplify operations with Sure Sort X with Xtract. This unique solution consolidates multiple workflows, adapts to varying operational needs, and reduces complexity, streamlining the supply chain and cutting costs.

STREAMLINED SOLUTION

By adding Xtract to your Sure Sort X system adapting to diverse order fulfillment workflows is simple. This solution provides the flexibility businesses need to cater to changing operational demands, making it ideal for various industries and order types.

SPECIFICATIONS

SYSTEM CONFIGURATION

Length	16.5' up to 83.7' (5.03 m up to 25.51 m)
Width	14.6' (4.46 m) at the input conveyor , 18.3' (5.96 m) overall
Height	9.8' (3 m)
Environment	Chilled (34 °F/1.1 °C Non-Condensing) to Ambient (90 °F/32.2 °C Max)

MATERIAL TO BE HANDLED

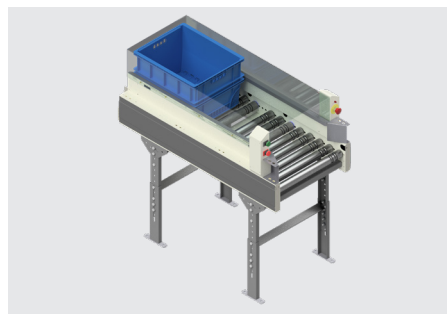
Sortable Item Length x Width Minimum	1.25" x 1.25" (3.2 cm x 3.2 cm) or 2 in ² (13 cm ²)
Sortable Item Length x Width Maximum	17" x 12.5" (43.2 cm x 31.8 cm)
Sortable Item Height	0.01" to 8.0" (0.03 cm to 20.3 cm)
Sortable Item Weight	Up to 20 lbs. (9 kg)
Completed Order Weight	Up to 30 lbs (13.6 kg) excluding weight of Xtract tote

PRODUCT

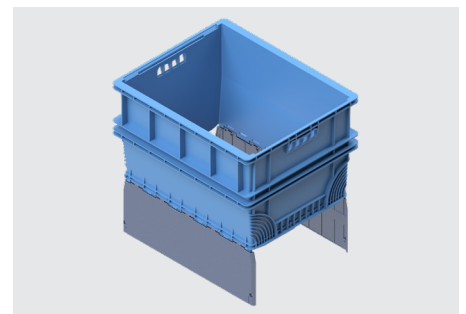
Xtract iBOTS	Up to 20 combined OPEX Xtract and Sure Sort X Sortation iBOTS
Xtract Totes External	19" x 15.75" (48.3 cm x 40 cm) [L x W], 12" (30.5 cm) or 6.5" (16.5 cm) [H]
Throughput	Up to 1800 units sorted & 200 orders extracted per hour
RVT Modules	Up to 5 per system installed on either or both sides of Sure Sort X
Final Order Container	Boxes, Totes, Bags
Tote IO Module	Xtract totes can leave system to transfer content or route to external pack station



RVT Module



Tote IO



Xtract Tote

Have questions?

Contact us.

 opex.com

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