Performance Data for Pick Systems That Use Indicators

A pick system is a method of order fulfillment in which items are selected from storage locations and assembled into orders. Indicators are used to guide the picker to the correct location and to verify that the correct item has been picked.

The performance of a pick system can be measured by a number of metrics, including:

- **Throughput:** The number of orders picked per hour.
- **Accuracy:** The percentage of orders that are picked correctly.
- **Cycle time:** The time it takes to pick an order.
- **Cost:** The cost of picking an order.

The performance of a pick system can be improved by using a variety of techniques, including:

Performance Data For a Pick 3 System That Uses Indicators by James Bender

★★★★★ 5 out of 5

Language	: English
File size	: 361 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
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Paperback	: 198 pages

Item Weight	: 10.4 ounces
Dimensions	: 6 x 0.5 x 9 inches

- **Using the right indicators:** The type of indicator used can have a significant impact on the performance of a pick system. For example, light-directed picking systems are generally more accurate and efficient than paper-based systems.
- **Optimizing the layout of the picking area:** The layout of the picking area can affect the time it takes to pick an order. For example, a well-organized picking area will reduce the amount of time that pickers spend searching for items.
- **Training pickers:** Pickers need to be properly trained in order to use a pick system effectively. Training should include instruction on how to use the indicators, how to navigate the picking area, and how to handle errors.

Performance Data for Different Types of Pick Systems

The performance of a pick system can vary significantly depending on the type of system used. The following table provides a comparison of the performance data for different types of pick systems:

Pick System	Throughput (orders/hour)	Accuracy	Cycle Time (minutes)	Cost
Light-directed picking	100-200	99%+	1-2	High
Paper-based picking	50-100	95-98%	2-3	Low
Voice-directed picking	75-150	98%+	1-2	Medium
Pick-to-light picking	125-175	99%+	1-2	Medium

Factors That Affect the Performance of a Pick System

The performance of a pick system can be affected by a number of factors, including:

- **The size of the picking area:** A larger picking area will take longer to pick than a smaller picking area.
- **The number of items in the picking area:** A larger number of items in the picking area will make it more difficult to find the correct items.
- **The frequency of orders:** A higher frequency of orders will put more pressure on the picking system and can lead to slower throughput and lower accuracy.
- **The availability of labor:** A shortage of labor can lead to delays in picking orders.
- **The training of pickers:** Pickers who are not properly trained are more likely to make errors, which can slow down the picking process.

Improving the Performance of a Pick System

The performance of a pick system can be improved by using a variety of techniques, including:

- **Optimizing the layout of the picking area:** The layout of the picking area can affect the time it takes to pick an order. For example, a well-organized picking area will reduce the amount of time that pickers spend searching for items.
- **Using the right indicators:** The type of indicator used can have a significant impact on the performance of a pick system. For example,

light-directed picking systems are generally more accurate and efficient than paper-based systems.

- **Training pickers:** Pickers need to be properly trained in order to use a pick system effectively. Training should include instruction on how to use the indicators, how to navigate the picking area, and how to handle errors.
- **Using technology to improve efficiency:** There are a number of technologies that can be used to improve the efficiency of a pick system. For example, voice-directed picking systems can reduce the amount of time that pickers spend searching for items.
- **Implementing a quality control program:** A quality control program can help to identify and correct errors in the picking process.

The performance of a pick system is a critical factor in the overall efficiency of a warehouse operation. By understanding the factors that affect the performance of a pick system, and by using the right techniques to improve performance, businesses can improve their productivity and customer service levels.

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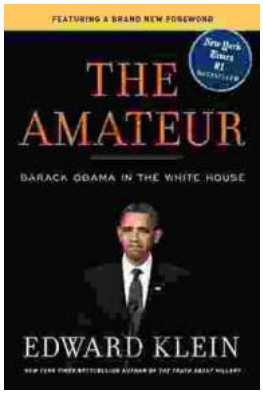

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