

# Visual Logistics in Your Warehouse

## The Challenge

The Impact of Online Shopping on the Warehousing Industry



### E-commerce Growth

Manufacturers who have invested in a direct-to-consumer sales strategy said they had benefited from increased revenue (45%), growth in their customer base (38%) and increased speed to market (32%).<sup>1</sup>

### Increasing Speed

The standard timeframe in which customers expect to receive their orders, which is being set by Amazon's sophisticated logistics network, is two days thus leading to tightly compressed order cycle times and little room for mistakes.

### Labor Constraints

With unemployment at its lowest rate in nearly a half-century — 3.5% in September 2019<sup>2</sup> — the pool of available workers has dwindled.

## The Solution

Dealing with a More Complex, Ever-changing, Faster-response Environment

### Productivity

In a tight employment market, it is critical for organizations to ease the burden of labor-intensive order picking and the speed with which orders must be shipped.

### Accuracy

Visual Logistics guides workers to accurately perform the tasks of receiving, putting away, picking, packing and shipping the right goods in the right quantities.

### Cost Savings

As a result, human-induced errors are reduced in the order fulfillment process and can save warehouses and distributors significant costs.



## The Outcome

Traditional vs. Visual RF Scanner Comparison

Elapsed time (seconds) to pick one order line



Traditional  
Text-based RF



Visual Warehouse  
(5 Seconds/Line Savings)



Visual Warehouse  
(30 Seconds/Line Savings)

Split case pick rate in shelving/flow rack zones in order lines/hour

50



Traditional  
Text-based RF

54



Visual Warehouse  
(5 Seconds/Line Savings)

86



Visual Warehouse  
(30 Seconds/Line Savings)

Daily man-hours required to select 20,000 order lines

400



Traditional  
Text-based RF

370



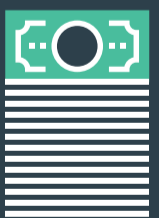
Visual Warehouse  
(5 Seconds/Line Savings)

233



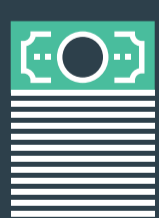
Visual Warehouse  
(30 Seconds/Line Savings)

Annual labor cost for order picking if operators are paid \$13.00/hour fully loaded



\$1,352,000

Traditional  
Text-based RF



\$1,250,600

Visual Warehouse  
(5 Seconds/Line Savings)



\$787,500

Visual Warehouse  
(30 Seconds/Line Savings)

Annual labor savings from Visual Logistics

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Traditional  
Text-based RF



\$101,400

Visual Warehouse  
(5 Seconds/Line Savings)



\$564,500

Visual Warehouse  
(30 Seconds/Line Savings)

#### Sources:

1. Barclays Corporate Banking Manufacturing report, Going direct: Is direct to consumer selling set to revolutionise the manufacturing sector?
2. U.S. Labor Department