

## SYNOPSIS:

# Non-Serialized Part Counting Solutions with 9 Customer Examples

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# This is a Brief Synopsis of the Full Presentation

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- We show 9 different automated solutions for counting non-serialized parts.
- Each solution uses a PLC to supply the part data.
- Depending on the customer's procedures and data requirements, we added other technologies to increase accuracy and further streamline the process.

To get the free Full Presentation, please [click here](#).



# Non-serialized Part Counting with 9 Customer Examples

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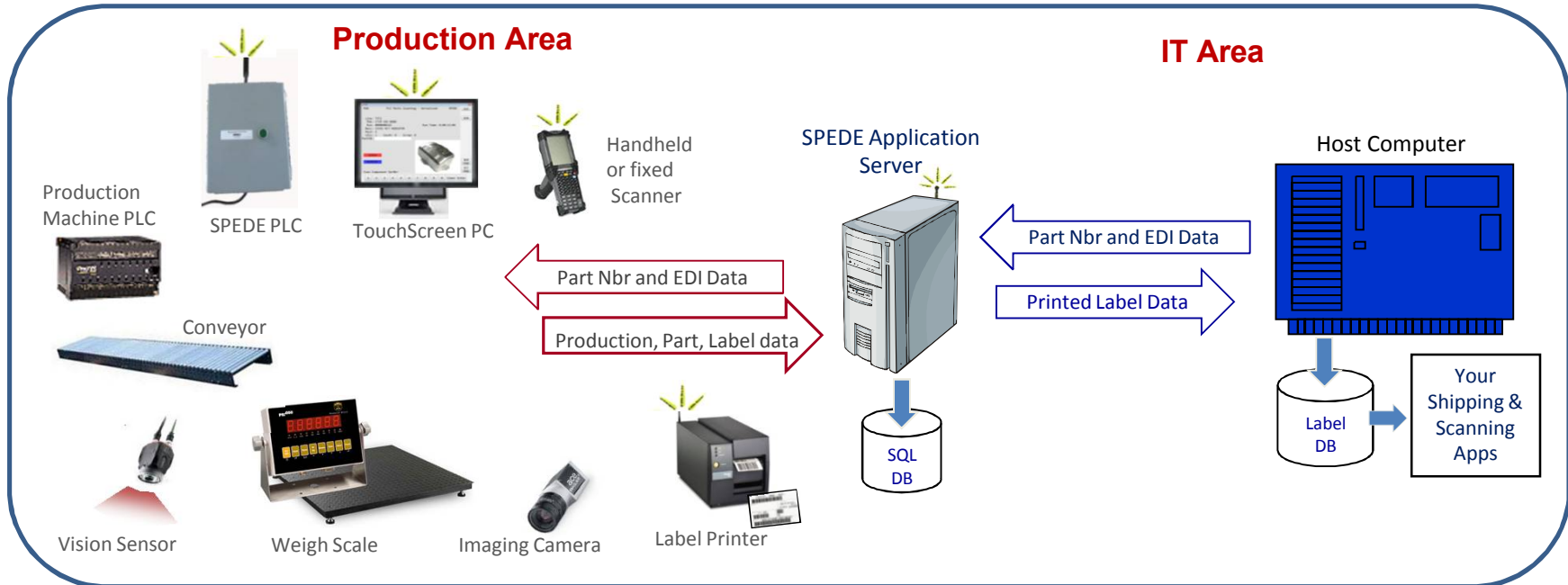
## Each Solution Combines Different Technologies:

- 1: Parts Counted by Weigh Scale
- 2: Parts Counted by Weigh Scale + Vision Verification
- 3: Parts Counted by Vision Only
- 4: Parts Counted by Vision + Conveyor Controls
- 5: Parts Counted by discrete I/O from Production Machine PLC to SPEDE PLC
- 6: Simple PLC Count
7. Simple PLC Count with Part Verification
8. Simple PLC Count with Part Verification with Heart Beat
9. PLC-generated Count with Part Verification

## Featured Customers



# Overview of SPEDE and your Host Systems



## SPEDE Apps Interface to and Control Production Area Devices

- PLC, Touchscreen PC, Handheld Scanner, Vision Sensor, Scale, Printer, Imaging Camera

## Prints Labels + Collects OEE Data

- Gets label data from host ERP, EDI, Release Accounting
- Time-stamps & logs printed label data, piece count, scrap & cycles data into SQL DB
- Printed Label Data is available to Host systems for Parts Traceability, OEE analysis, Shipping, etc.

## 3 Reasons to Automate Parts Counting

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### Accuracy

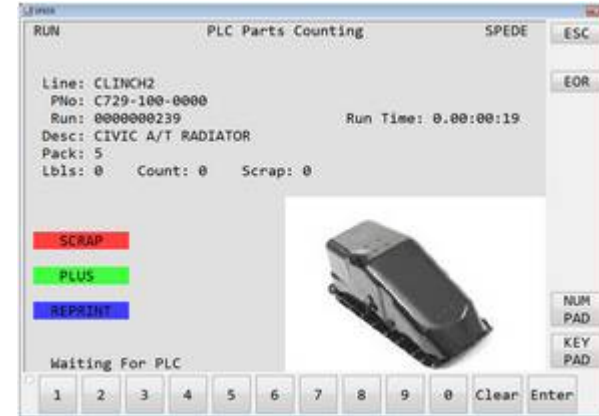
- Accurate Part counts
- Accurate Pack Counts and Container Labeling
- Accurate Production reporting

### Efficiency

- No labor and expense for manual counting
- No data entry or recordkeeping
- Real-time production run data displays at line-side
- Automatic updates to host systems

### Traceability

- Automatic traceability from Production back to Raw
- Automatic traceability forward to Customer
- Enables focused inquiries by part, run date, lot, etc.



# Added Benefit: Part Traceability


## Automatic Traceability by Part / Container

- A serial number is linked to each Part's production data:
  - Production Machine, Run Date, Shift, Operator, Lot, Location, etc.
  - Container Serial Number(s) in which the Part was packed
  - All other Serialized Parts in a generalized Container
- Provides Traceability by Part, Lot, Container, Line, Run Date, etc.
- Forward Traceability from Production out to Customer
- Backward Traceability from Production back to Receiving, Raw Components, Supplier

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Report Date: 01/08/2013  
Report Time: 08:35:00  
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**Container Trace: 0319804-05088465**

Part Nbr	Description	Run Nbr	Line Nbr	Create Date	Create By	Qty	Item S/N
C729-101-0000	CIVIC M/T RADIATOR	000012001	CLINCH2	11/05/2012	JSMITH	5	AB879762351 AB879762352 AB879762353 AB879762354 AB879762355



# To Discuss Your Line-side Project...

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## About Us:

SPEDE Technologies is a software and systems company with 39 years of experience in the automotive industry. We specialize in Automated Line-side Solutions that control and standardize production area processes to ensure accuracy, increase efficiency and provide 20/20 visibility into line-side operations.

Our Customers are mid-size to Fortune 500 auto suppliers with multiple plant sites throughout the U.S. and in Mexico. They rely on SPEDE Automated Line-side Solutions to keep their mission-critical processes running smoothly, 24/7.



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