

Introduction of Line Monitoring System Outline

“Grasp Operation situation of Processing machine”
and
“Increase Accuracy of cost recognition”

*Line Monitoring System is a product of NCS & A Co., Ltd.

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CANVAS Corporation

“We know Cost management and Profit management will improve, if Operation time is grasped exactly. But actually...”

Voice from Coil Center

“It is Gain that counts. ‘Sales — (Purchase + Cost) = Gain’

It is unnecessary to invest money to check detailed things, like operating time (A Company)”

*“Because we handle many contracted works, it is difficult to control Detailed cost and Exact operating time for each customer, then fill them separately in the Work Order Sheets”
(B Company)*

Example (Slitter)

- ① When processing on one coil is finished and its end part is rolled in, uncoiler sets the next mother coil immediately. It is impossible to match each item to its Work order sheet, when multiple works are running simultaneously.
- ② Because Safety, Machine operation, and Processing work are prioritized, operators may have difficulty in checking/recording every detailed operating time.

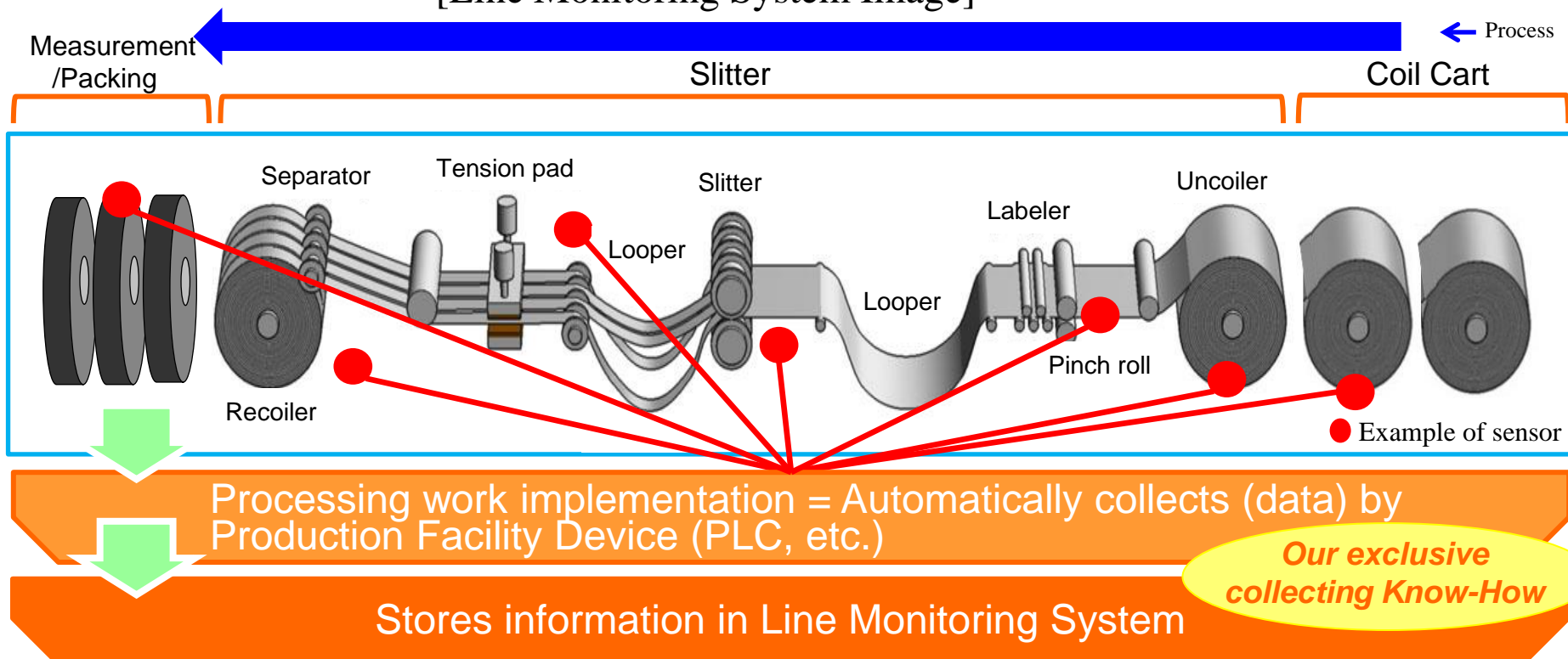
Operating time can be grasped only broadly by handwriting working report. Exact Operating time for each Work Order Sheet cannot be obtained, and the cost management becomes rough, actually.

- Operating time cannot be obtained exactly!
- Cost recognition accuracy reduces!

Line Monitoring System enables:

To obtain Slitter's and Labeler's operating time each by Equipment No. and Work Order Sheet.
This achieves to **"Grasp Processing Machine's Operation Condition"**
and **"Improve cost accuracy of the Processed products"**

[Line Monitoring System Image]



◆Merits

- Obtains **"Operation Information (=From Start to the End of particular work)"** via each PLC
⇒ Calculates the operation time from Setup time, NET time, and END time.
- If the operation time cannot be obtained from the work, master information is used.
Ex: Slitter: Vertical band wrapping time (Calculated by Number of slits and packing specifications)
- Collects the operation time taking **"Cross date operations"** and **"Work breaks"** into consideration.

* PLC: Programmable Logic Controller