



HOW TO OPTIMIZE YOUR PACKING PROCESS BY USING A POP:



1. Determination of your goals

Analysis/interview: what are your production goals? What challenges or opportunities are you trying to address?



2. Host the on-site-audit

Inspection of your complete plant setup, in-packing analysis of each step in the packing process, dialogue with your staff.



3. Receive a Plant Optimization Plan

Presentation of the report detailing findings and level of urgency.



4. Implementation of optimization

Expertise for a detailed system optimization plan and the associated schedule.



5. Continued plant support

Continuous proactive and predictive service and support from the experienced team of HAVER & BOECKER for the overall equipment effectiveness.

PACKING PALLETIZING LOADING DIGITALIZATION



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PLANT OPTIMIZATION PLAN TO OPTIMIZE YOUR PACKING PROCESS



POP AND BOP

POP – Plant Optimization Plan

The process of working together with our experts is to determine the current state of your operation, then hosting an on-site audit in which our engineer inspects every aspect of your packing plant from product conveying to packing, bag transport, palletizing and loading. Based on the results and in consultation with you, our experts draw up a detailed system optimization plan and the associated schedule.

BOP – Bag Optimization Plan

The Bag Optimization Plan (BOP) is another part of POP. In a detailed analysis, the bags used are examined with regard to bag material and structure. The focus is on cleanliness, permeability, weight accuracy and pallet appearance, for example. BOP comprises four basic tests:

- Bag volume test
- Bag valve check
- Visual pallet check on site at the customer
- Bag specification check

PROCESSING

STORAGE

MIXING

FILLING

PA

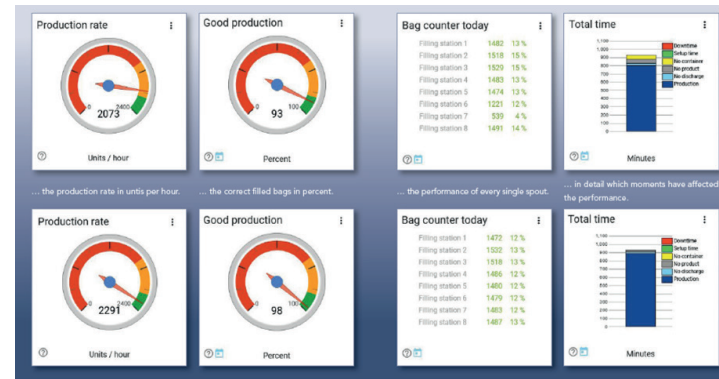


TOP 6 BENEFITS OF IMPLEMENTING POP FINDINGS

1

Increase plant performance

Your packing plant is more efficient when set up correctly. The entire line is optimized by the OEM. Operators are trained to be careful when adjusting equipment settings. Digital monitoring can alert you in real time to any adjustments needed to bring line performance back up.



2

Optimized machine conditions

Continuous strong equipment performance leads to the highest output. Our engineers fine-tune and re-adjust each machine in harmony with the entire packing line and optimize each piece of equipment long-term for superior single output.



3

Set up and use of resources

The operation of your systems requires optimum set-up with and use of material and personnel resources. With the know-how of our system specialists, you know which resources you need and how you can use them most efficiently.



4

Raising health and safety standard

POP results help to ensure safe and reliable machines and infrastructure as well as a clean and healthy working environment to protect your employees at all times. This improved standard will lead to a better internal and external image.



5

Improving energy efficiency

Achieve significant savings in energy consumption through comprehensive process optimization along the entire value chain - without compromising on performance, weight accuracy and cleanliness.



6

Optimized bag packaging

This analysis is carried out both on site at your plant and essentially at the HAVER & BOECKER Institute. Our experts will carefully analyze your bags and will provide you with recommendations to ensure harmony between your product, your packing machine and your bag.



IMPROVE YOUR PLANT IN EVERY AREA FROM PRODUCT CONVEYING TO PALLETIZING AND LOADING:

PRODUCT STORAGE AND HANDLING

- Pre-storage in the product silo
- Product conveying
- Foreign particle screening
- Pre-storage in the feed-silo before packing

PACKING

- Empty bag characteristics and supply
- Product handling and supply
- Machine settings and fine adjustment
- Resource management

FULL BAG TRANSPORT

- Bag discharge
- Bag cleaning
- Check-weighing
- Bag printing and labeling

PALLETIZING AND LOADING

- Machine settings and fine adjustment
- Layer formats and visual pallet check
- Bag and pallet handling
- Bulk loading

