



## Case Study | Impact of elim on Blister Packaging Line Overall Equipment Effectiveness

### Challenge faced by the customer

- Issue on a packaging line (Uhlmann 1040 running 2 Lanes at 300 blister / min) with broken tablets slowing the line down, which had a total of 6,000 minutes (not including micro-stops) of downtime after sorting.
- Feed-systems had suffered blockages approximately every 30 seconds so the batch had to be removed from the line / production plan as it was deemed to be un-runnable.

### Production Framework

#### Total Tablet Batch Size

- 1.3 million tablets

#### Tablet Type

- Coated oval caplet, no break line

#### Blister Size

- ALU Cold Form blister 73mm x 135mm (10 Pockets)



### Our Solution

- During a planned production outage the 1040 packing line was fitted with a Prodieco elim system to a SimTap Feeder.
- Packaging of the batch commenced with all tablets being fed through the Prodieco elim system into a SimTap feeder.
- Confidence increased within the Quality Assurance (QA) department that if the deviation batch was released for packaging, the impact on OEE / Quality could be minimized.



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### Results & Packing Line Performance |



1.3 million  
tablets  
successfully  
packed in 1  
batch



elim  
rejected  
1.5kg of  
tablets  
particles of  
various  
shapes  
(approx.  
6,500  
defects)



6,000  
minutes  
saved with  
elim alone



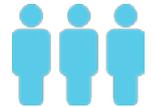
Batch run  
time  
extended by  
approx. 8  
hours



Batch was  
able to be  
packed  
passing all  
AQL so  
customer  
service  
issue



Productivity  
savings:  
€6,140 per  
batch



Saved  
capacity  
overall: 108  
hours over  
15 shifts

### Conclusion |

The evidence generated during the packing of the defective batch indicates the Prodieco elim system is an effective online sorting device. The system gives positive results in the key business fundamentals such as:

- Ensuring the quality of the end product
- The integrity of the supply chain
- Acceptable cost levels

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# Prodieco

Advanced Engineering Solutions