

WAREHOUSE AUTOMATION MACHINE

A. COMPARISON OF PRODUCTIVITY

Semi-automatic machine      98 pallets / hour  
 Automatic machine              17 pallets / hour

B. COMPARISON OF COST REDUCTION OF MAN POWER

Before 2019

7 wrapping machines with 7 staff / 3 shift = 21 staff  
 21 staff x 152 euros/day = 3.192 euros x 21 working days = € 67.032

January 2019

2 semi-automated wrapping machines + Dino Stretch Hood machine  
 2 staff / 3 shift = 6 staff + 1 (day shift) = 7 staff  
 7 staff x 152 euros/day = 1.064 euros/day x 21 working days = € 22.344

Difference:

€67.032 - €22.344 = €44.688 /month  
 = € 536.256 / year

OVERVIEW:

	Before 2019	January 2019	Savings
Number of wrapping machine	7	2	
Number of Dino Stretch Hood	0	1	
Number of staff / 3 shift	21	7	
Staff cost / day	€152	€152	
Total staff cost / day	€3.192	€1.064	-€2.128
Total staff cost / month	€67.032	€22.344	-€44.688
Total staff cost / year	€804.384	€268.128	-€536.256

Cost of Dino Stretch Hood machine is €220.000

- Maintenance fee: 600 euros/month
- Required space 17 x 9 meters
- Electricity: same as before

Issue: When we do maintenance, one day a month, the machine has to be stopped for 6 hours. If this is set up in advance, no problem. If happen a defect, we need 12 hours to start again (bottleneck)