

**Customer  
Proven  
System  
Perfor-  
mance**

**Based on Data from Our  
Customers Facilities**

# Energy Consumption Before and After manual cleaning CVS Installation

Actual production data demonstrates the reduction in compressed air and energy consumption achieved with the STEINEMANN CVS system. The values shown are based on real operational data from one of our partner companies. For clarity, we are showcasing data from a single company only.

@ Factory size = 45k spindles, Material processed = PC 24 / PC 30

Dept	Cleaning hours per day (Compressed air)							
	Cleaning (Mins)		No. of point opened (Nozzle size 4 mm)		Cleaning total (Mins)		Overhauling (Mins)	
	Before	After	Before	After	Before	After	Before	After
Blow Room	90 ↑	35 ↓	2	2	180	70	30	30
Carding	90 ↑	40 ↓	3	3	270 ↑	120 ↓	30	30
Lap former/Comber	60 ↑	0 ↓	2 ↑	0 ↓	120 ↑	0 ↓	30 ↑	0 ↓
D/Simplex	30 ↑	0 ↓	1 ↑	0 ↓	30 ↑	0 ↓	20 ↑	0 ↓
Winding	30	30	2	2	60	60	20	20
Total (Mins)					660 ↑	250 ↓	130	80
					Before CVS		After CVS	
Grand total (Mins)					790		330	
Grand total (Hours)					13.17 h		5.5 h	
Air consumption at 4 mm nozzle= 110 m³/ hour@ 6 Bar								
Air Consumption m³/ day					1449 m³		605 m³	
Energy Consumption kwh/day due to compressed air usage					232 KWh		97 KWh	

The following reflects the daily savings potential, based on the operational data shown above:

M.C. = manual cleaning, A.D. = automatic disposal



**Energy savings/day** due to reduced compressed air after Steinemann CVS installation = **135 KWh/day**. - M.C.



Due to reduction in compressed air usage in Back Process, **IPI of yarn have been reduced up to 10 %**, **cuts/100 km of yarn** also show a **trend towards betterment**. - M.C.



**Electric consumption of suction motor** at winding machine have been **reduced upto 25 % (415 KWh/day)**, as there is no choking of mesh due to hard waste, early cycle of waste disposal save the motor from overloading (**16 Winders**). - A.D.



**Running efficiency of Auto Winding machine** has been **improved** due to automatic disposal of hard waste. - A.D.



**Net Electricity saving per day** = **350 KWh** - M.C. + A.D.



**Net Manhours saved per day** = **24 manhrs**- M.C. + A.D.



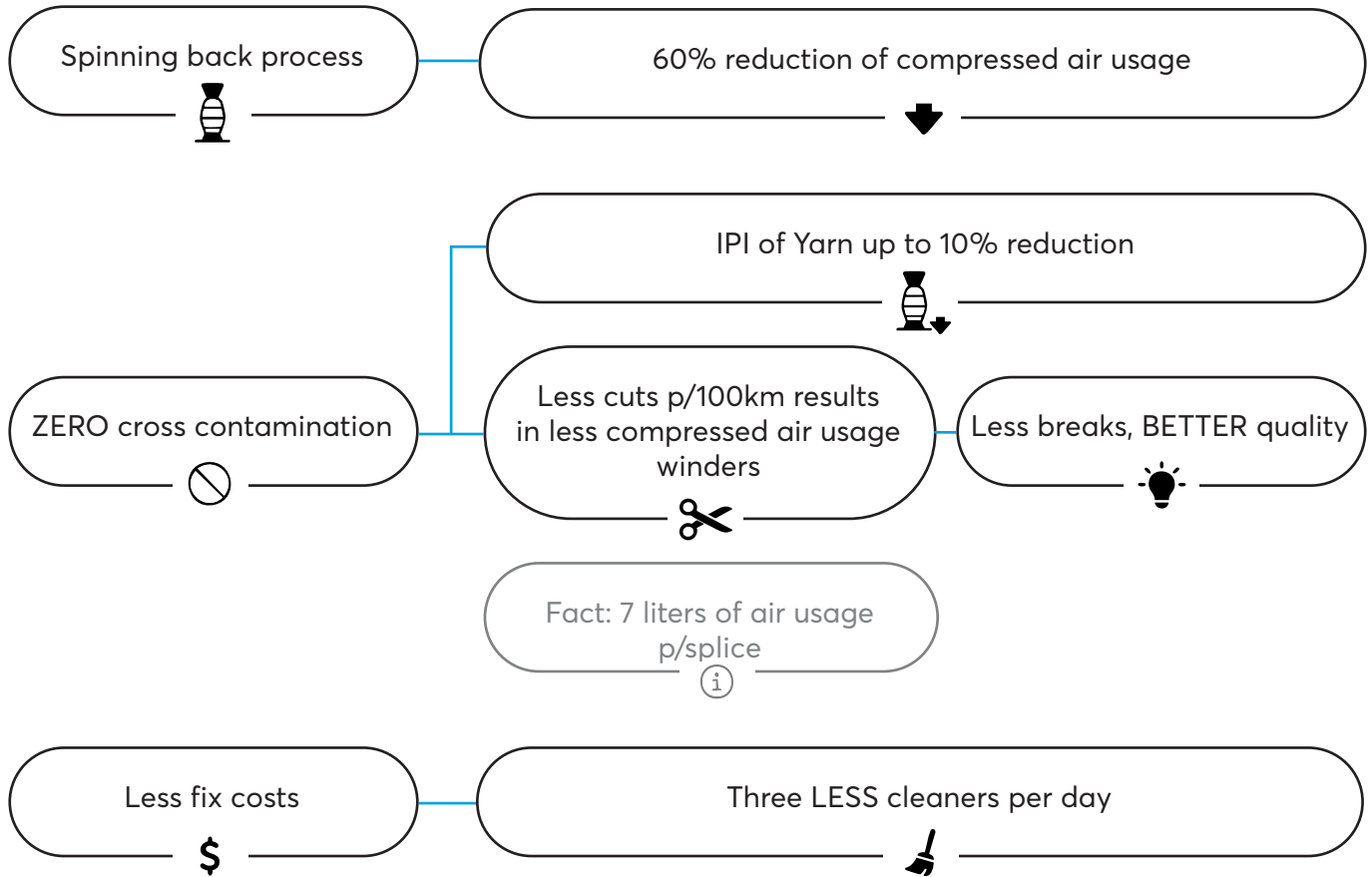
CVS system electricity consumption per day = 200KWh (Hard Waste Disposal + Manual Cleaning System) - M.C. + A.D.

Proven by Our Partners



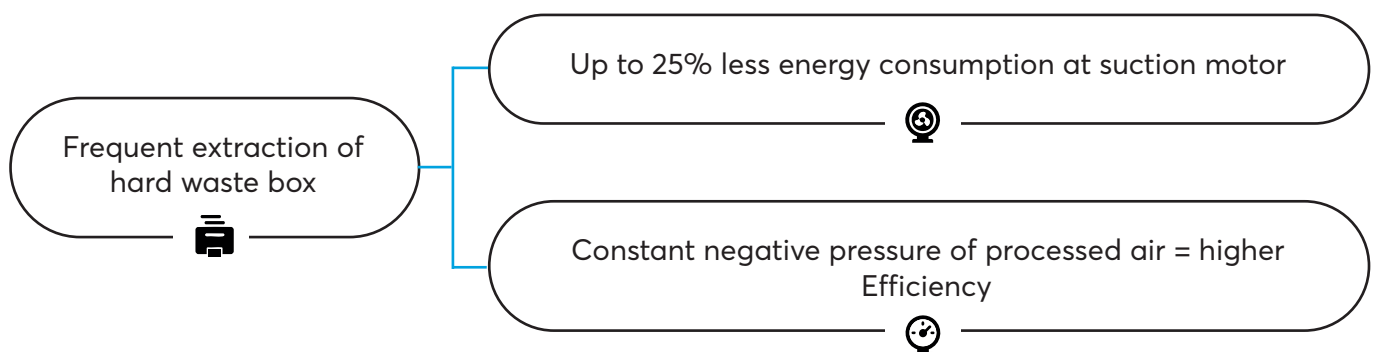
# Benefits of manual cleaning with CVS

With our solution, flying fibers are directly extracted instead of being blown around by compressed air – a clean and efficient alternative. This is a key step toward higher quality in your production. Here are the most important benefits at a glance:



# Benefits of automatic disposal with CVS

Our fully automated solution enables frequent removal of the hard waste boxes, ensuring consistent performance. This results in:



Ready to see what's possible in your facility?



Scan the code to explore practical use cases, key savings, and how Steinemann CVS can fit your production.





**cleaning is profit.**

**Contact us today to receive your tailor-made offer.**

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