

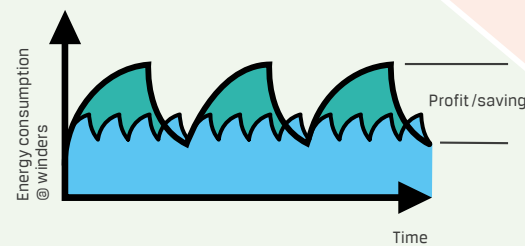
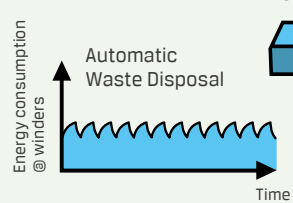
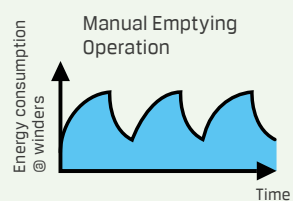
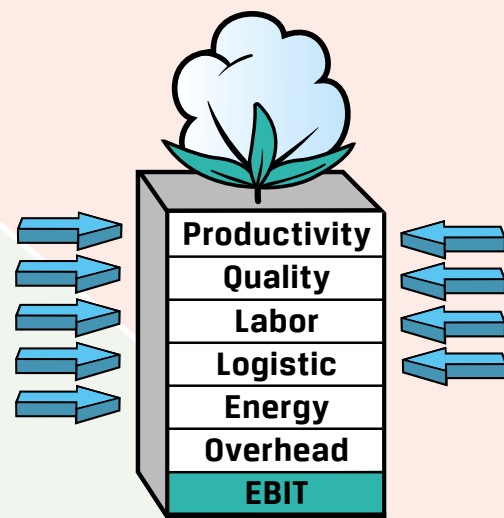


cleaning is profit.

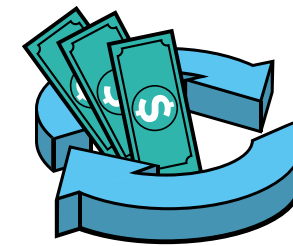


## Automatic Disposal

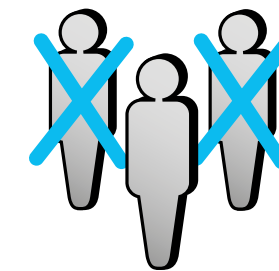
## Manual Cleaning



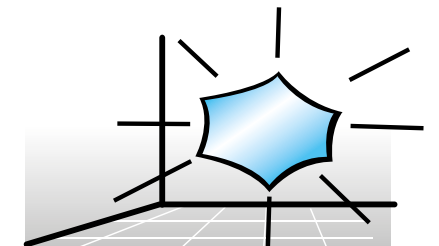
**Reduction of energy**  
consumption at production machines (e.g. frequency-converter-controlled winders, etc.  
⇒ according to customer measurements approx. 5% !)



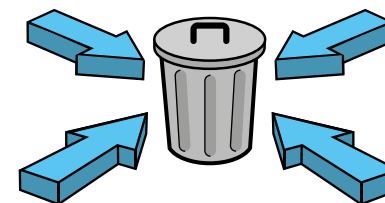
**Fast ROI**  
Short and attractive return on investment.



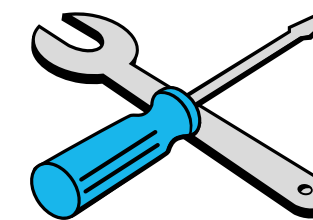
**Less labor**  
Less labor involvement (cleaners) required.



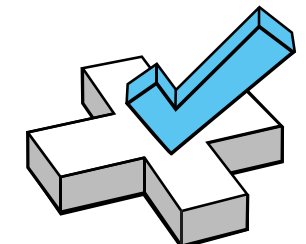
**Clean environment**  
Positive effect on employee and productivity.



**Simplified logistic**  
Waste can easily be separated into different qualities/designations. No more problems of waste seizing, transport and processing.



**Easy installation**  
Small pipe diameters (mostly DN 100 to maximum DN 150); easy retrofitable for existing mills.



**Swiss quality**  
Entire, well-structured system by STEINERMANN with proven reliability (more than 450 systems worldwide).



## Automatic Disposal / Recyclable



- 1 Winder Hard Waste
- 2 Yarn & Trash Chamber Open End
- 3 Selvage Cuts

## Automatic Disposal



- 1 Dust Separators
- 2 Overhead Cleaner
- 3 Pneumatic Valves

## Manual Cleaning



- 1 Floor Sweeping Point
- 2 Vacuum Wall Socket



- 3 Floor Vacuum Socket
- 4 Weaving Cleaning
- 5 Card Cleaning
- 6 Ring Spinning



Cleaning Trolley

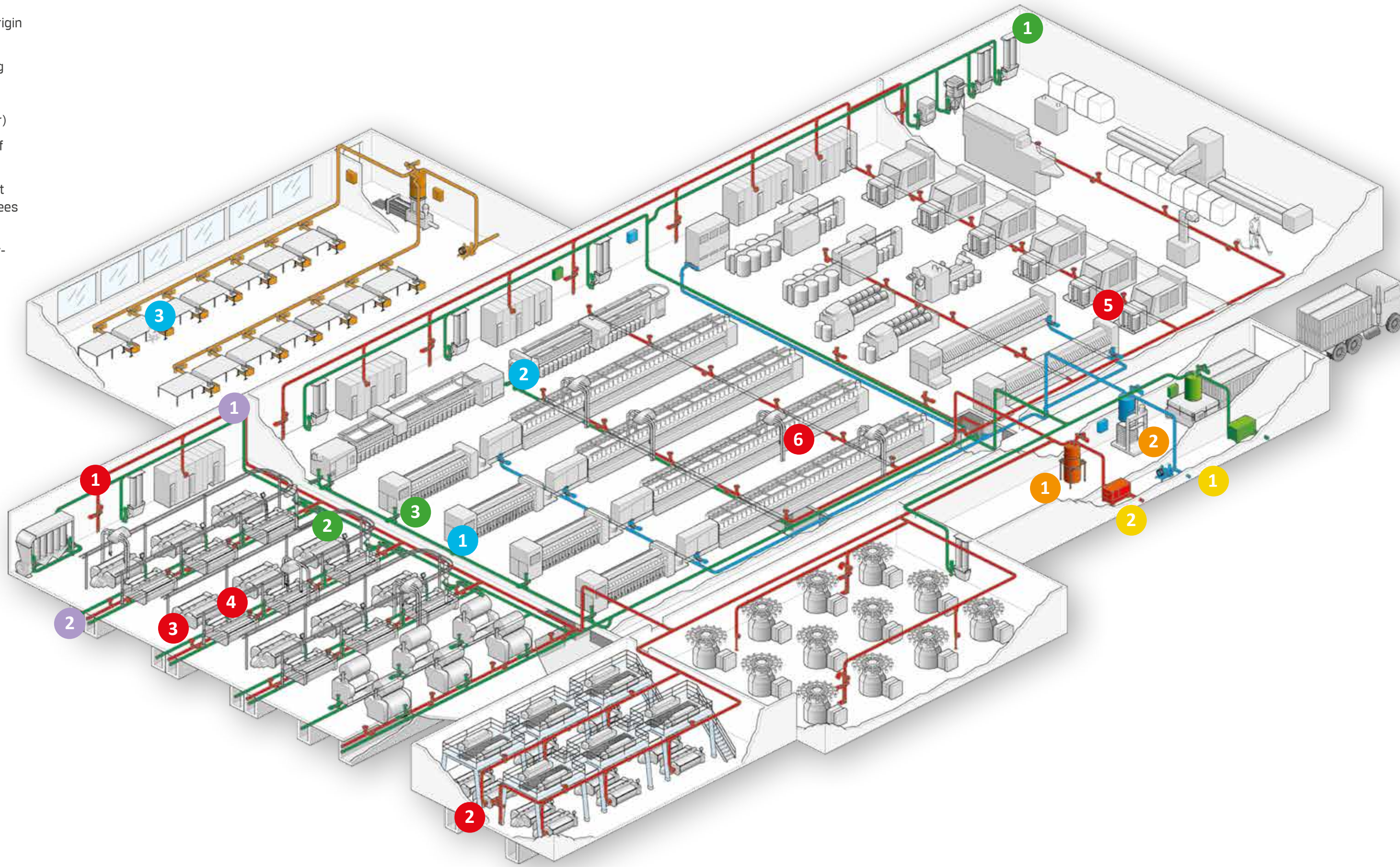
## Benefits for AUTOMATIC DISPOSAL

- solving logistic issues from place of origin until waste room
- winders need not to be stopped during automatic disposal with CVS as the aeration valve stabilizes the required underpressure in the winder (chamber)
- production increase due to no shut-off time of robots during emptying cycle
- secured efficiency: controlled frequent emptying of waste chambers guarantees constant air management
- practical free-programmable and easy-extendable controls designed to help solve disposal problems

## Benefits for MANUAL CLEANING

Clean textile machinery is:

- increasing production efficiency (less downtime)
- reducing component wear (requiring less spare parts)
- extending life-time expectancy
- less fire hazardous
- producing better quality (yarn / fabric) & reducing second-grade material (less fly spun into yarn / woven into fabric)



## Pipe Network



- 1 Overhead
- 2 Underfloor

## Filter



- 1 Filter
- 2 Waste Disposal e.g. Compacting

## Vacuum Units



- 1 Periphery Blower
- 2 Roots Blower





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