



Disposal Logistics for Open End Spinning

Facts

- clean filter screen of each OE rotor spinning machine only guarantees a constant negative pressure at each rotor, which is essential to produce high quality yarn with best efficiency results
- risky factors (unreliability of labor) need to be reduced at high investment production machines
- longer machines are producing more waste / -waste chambers remain the same size: more frequent emptying is necessary
- logistic challenge of secondary material flow: waste to be moved over long distances uncompacted in the mill to deposit waste area
- two waste chambers need to be cleaned / each machine
- intermediate waste storage in the mill disturbs your primary material flow
- uncontrolled feeding of compactors cause "waste traffic" and waiting time



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Complete Solution with CVS

- ✓ only high vacuum of CVS guarantees a fully automatic solution for all waste chambers.
- ✓ secured efficiency / quality. Controlled frequent emptying of fibre and yarn trash chamber guarantees constant air management at spinning boxes of OE rotor spinning machine.
- ✓ constant air management:
 - no yarn breaks due to insufficient negative pressure
 - less work for robots
 - less down time of spinning boxes.
 - Note: customers have reported 20% less thread breaks
 - less risk of "Moiré-effect"
 - less risk of "Avivage-buildup" (polyester)
- ✓ increased efficiency / quality. Note: customers have reported 1% efficiency increase
- ✓ smooth logistic / no labor costs. No movements of staff in the mill for waste handling - controlled logistic guarantee.
- ✓ solved logistics of secondary material flow



before emptying



after emptying

Typical Example of Waste Quantities

Basic Data (examples)

Material	Yarn count	Production	Waste amount	No. of Machines
Cotton	NE 8	250 kg/h each machine	1,5% of production	15 with 360 rotors each

Daily waste amount of 15 O/E machines with each 360 rotors:

approx. three 20' Containers
= total 99 m³!



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