

# A CENTRAL **TRIM EXTRACTION** SYSTEM FOR TEA PACKING MACHINES MINIMISES DOWNTIME AND DUST PROBLEMS

## / THE CHALLENGE /

- A factory located in Poland is a well-known tea producer for the domestic and international markets
- The client has two machines with the ability to extract bags, and six machines where the cutting and handling of trimmings take place
- The small diameters of the exhaust pipes on the machines are due to the need to overcome high pressure in the system
- Before the system was in place, it was necessary to extract trimmings through local exhausts, causing a need for additional employees
- Local exhausts were causing numerous downtimes and messes during the production process, and were taking up room in the production hall
- The company needed a solution for the extraction of trimmings in order to ensure cleanliness in the production area and increase productivity while keeping downtime, and the number of personnel members operating production equipment, to a minimum.

## Machine nos 1-2

- Material: Paper (tissue), plastic film
- Dimensions: 120 x 120 mm
- Material weight: 21 g/m<sup>2</sup>
- Quantity: 150/min.



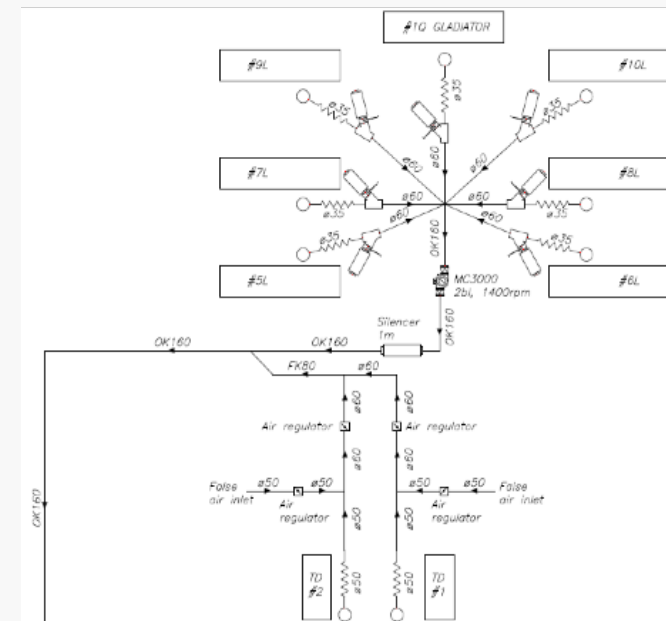
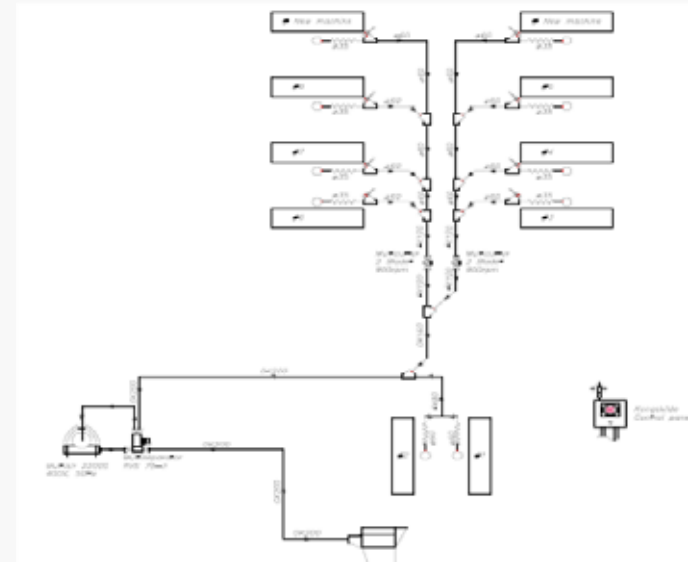
## Machine nos 3-8

- Material: Paper - continuous cutting and extraction
- Trim width: 12 mm
- Material weight: 21 g/m<sup>2</sup>
- Speed: 17.5 m/min.



## / THE SOLUTION /

- The Kongsilde solution includes piping, a main fan (MultiAir 2200S), a MultiSeparator (RVS 75), a static separator (KU 25000) connected to the investor's filter, and the control panel controlling the entire system in an intuitive and automatic way
- The MultiCutters increase transport efficiency, while at the same time preventing tangling and clogging in the pipeline
- The MultiSeparator RVS 75 by Kongsilde offers unique technical features that enable the creation of exceptionally efficient, flexible transport systems



## / THE ADVANTAGES AND BENEFITS /

- Kongsilde delivers a trim extraction system allowing production machines to run at maximum speed without the need to worry about clogging from extracted trim.
- The system ensures fast and gentle transport of material and guarantees high productivity as well as cost-effective waste disposal, without generating dust in the production facility
- More room around machines ensures better productivity
- Returning clean air to the hall reduces heating costs in winter
- Labour costs associated with manual handling of waste in production areas are no longer a problem
- Automatic suction eliminates the risk of accidents related to the manual handling of waste.
- No downtime, and significantly increased productivity

