



ReclaimAIR

European
Patent
Application
13 160 327.6



The gentle reclaiming process
without degradation and contamination.

ReclaimAIR

The purpose of the **ReclaimAir** is to reclaim tobacco from waste cigarettes. The machine makes it possible to separate tobacco free of contamination from the Non Tobacco Material of the cigarettes with different filter length (with standard and special filter). Furthermore it is able to isolate special filter like charcoal or capsule from the cigarette.

The complete unit consists of:

- Feeding Unit
- ReclaimAir Unit
- Separating Conveyor



ReclaimAir Unit

The ReclaimAir Unit has been developed to separate tobacco from cigarettes with different filter length.

The basic machine includes:

- Cigarette Hopper
- Aligning Unit
- Blow Out Unit
- Filter Cutting Unit
- Tobacco Rod Cutting Unit.

It is possible to blow out the tobacco of the cigarette or isolate the filter from the cigarette rod prior tobacco reclaiming.

After that the cigarette rod will be opened in order to segregate the tobacco from the paper.

Feeding Unit

The cigarette feeder is used for finely screening, aligning and feeding the ReclaimAir Unit with cigarettes (no tobacco rod waste) in various lengths with standard and special filter (capsule and charcoal).

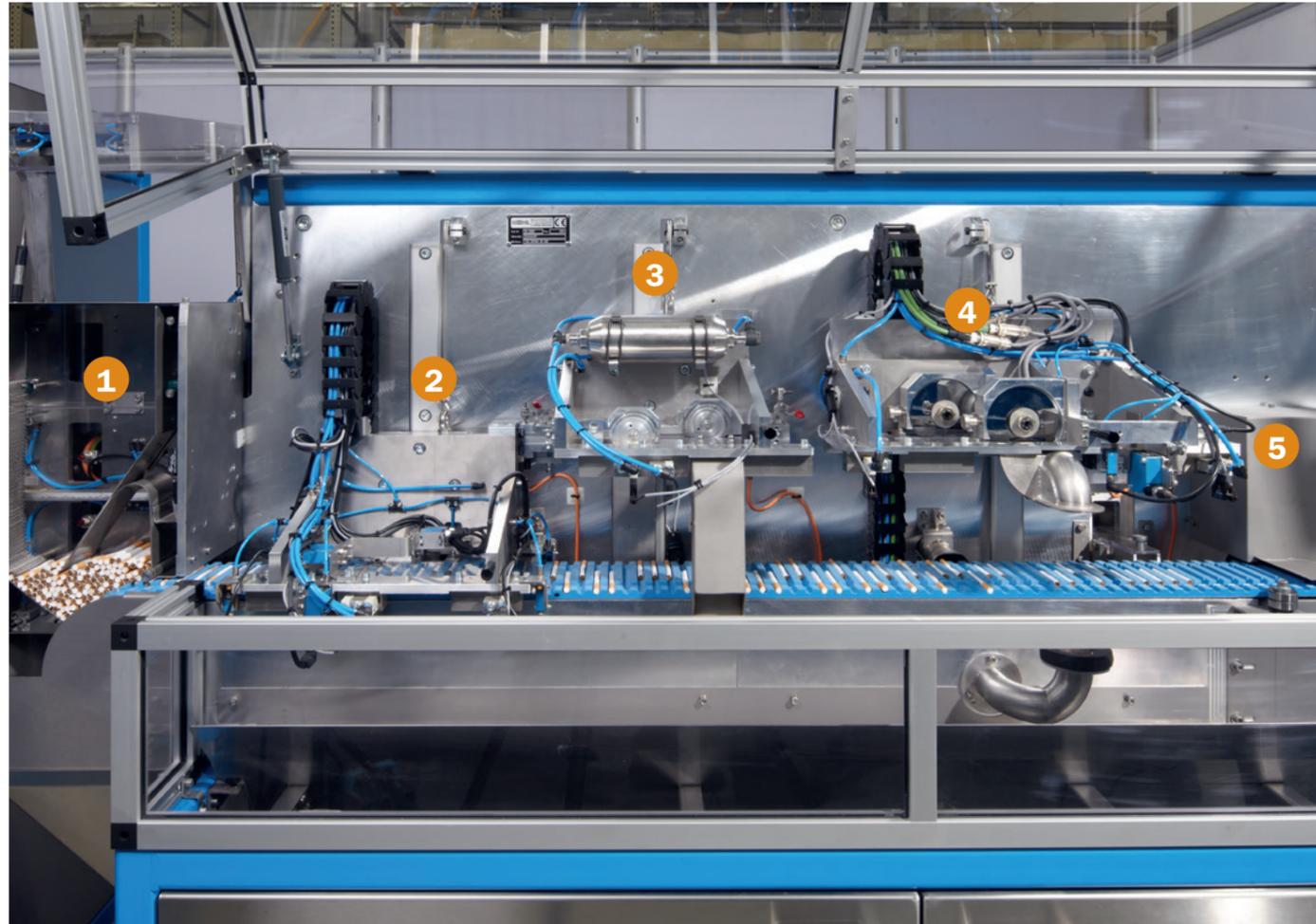


Separating Conveyor

The Separating Conveyor is placed below the ReclaimAir Unit and separates tobacco from the paper after cutting the tobacco rod. The Separating Conveyor transports all rejected cigarettes from the ReclaimAir Unit into the waste box.

ReclaimAIR

Realize gentle reclaiming process.
Without degradation and contamination risk.

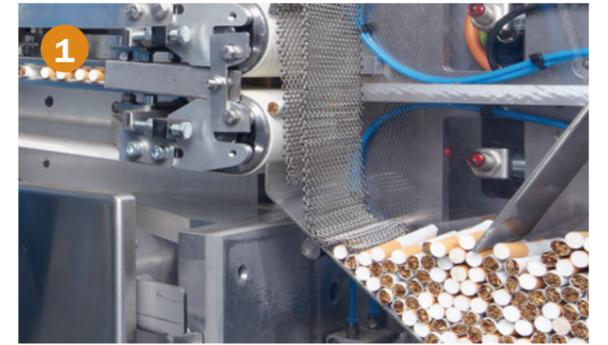


ReclaimAir Advantages

- Offline solution
- No degradation of the tobacco quality
- Reuse of tobacco
- Free of contamination

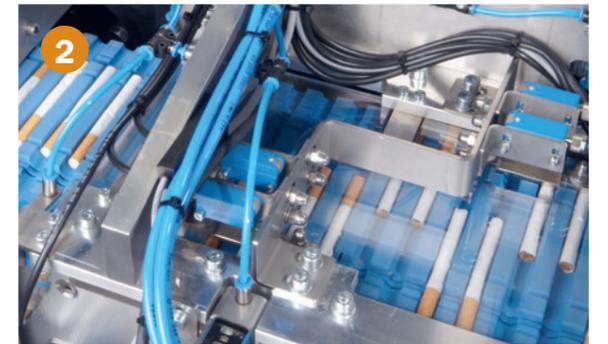
Cigarette Hopper

Cigarettes coming from the Feeding Unit will be discharged via separation belt into a Cigarette Hopper. Cigarettes will be buffered and collected piece by piece from the transport belt of the ReclaimAir Unit.



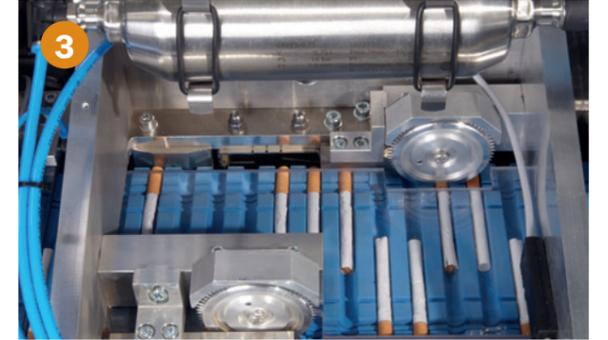
Aligning Unit

All cigarettes coming out from the Cigarette Hopper will be detected via sensor and aligned with the filter to the process side.



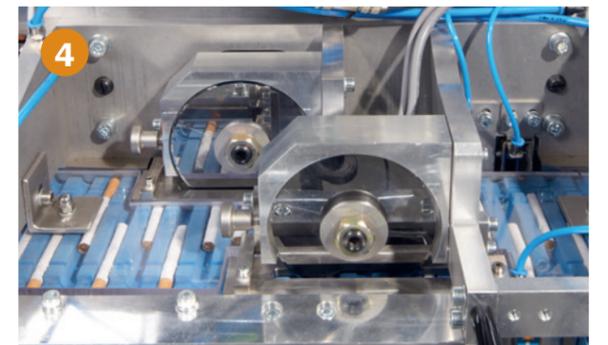
Blow Out Unit

The Blow Out Unit is using compressed air for blowing the tobacco out of the cigarette tube. Cigarettes with charcoal filters will be processed at the Filter Cutting Unit.



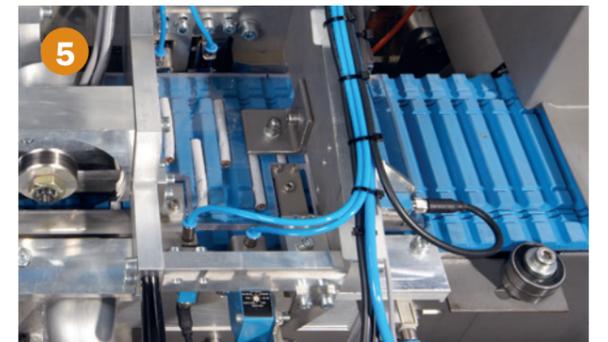
Filter Cutting Unit

The ReclaimAir Unit is able to isolate filter with special inlets like capsule or charcoal from the tobacco rod. The isolation is realized with circular knives which cut cigarettes right in front of the filter and a vacuum sucks off the segregated filter.



Tobacco Rod Cutting Unit

After removing the filter the tobacco rod will be transferred to a split unit. An additional circular knife opens the enclosed tobacco rod and the paper and tobacco will be discharged onto a Separating Conveyor.



INFO · CONTACT

KÖHL Maschinenbau AG

17, Am Scheerleck
6868 Wecker
Luxembourg
Tel.: +352 27 68 27 - 0
Fax: +352 27 68 27 - 99
info@koehl-mb.eu
www.koehl-mb.eu



Additional information