

2015

Loading issue

Project Bowlcutter Polo



This document explains the current way and issues when loading of the Bowlcutter.

de Montfort, Tancrede, YORK, Kit Kat 5
Nestlé
6/9/2015





I. Framework of use

Stage 1: Open the top of Bowlcutter

We load the Bowlcutter with reworked Polo, it is broken white sweet and sugar dust.



Figure 1B: Reworked Polo



Figure 1A: Opening of the Top of the Bowlcutter

Stage 2: Move by hand the 15 kg green tubs to load the bowl.

- This stage is a painful task for our people, not only because it is heavy but also because it generate dust.
- After moving 5 tubs, we spread reworked Polo in the bowl. It is a small source of dust compared with loading.



Figure 2: Lifting and loading of the bowl by hand

Stage 3: Closing of Bowlcutter and start of grinding.



Figure 3: Bowlcutter loaded (with 5 green tubs)



II. Use frequency


Number of tubs per day	104
Number of cycle per day	21
Number of kg per day	1560
Flow of loading (roughly)(we could have a discussion about that)	900kg/h
Flow of loading (roughly)	2160 L/h

Tub quotation (mm): 400*300*300

III. Environment



Figure 4: The Bowlcutter is on the left and on the right there is the current vacuum system (out of order)

 The red arrows show the powder path with the old vacuum system.