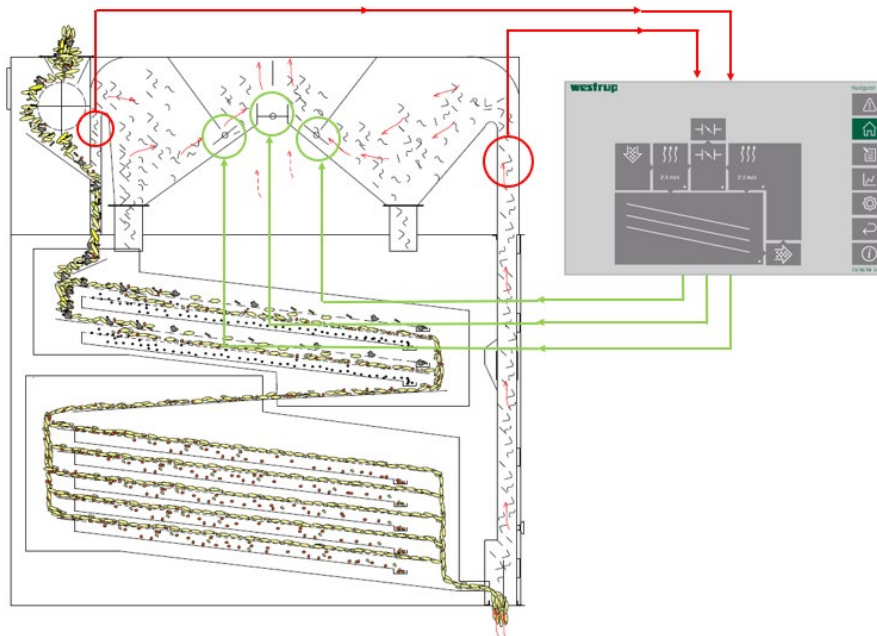


NAVIGATOR 4.0

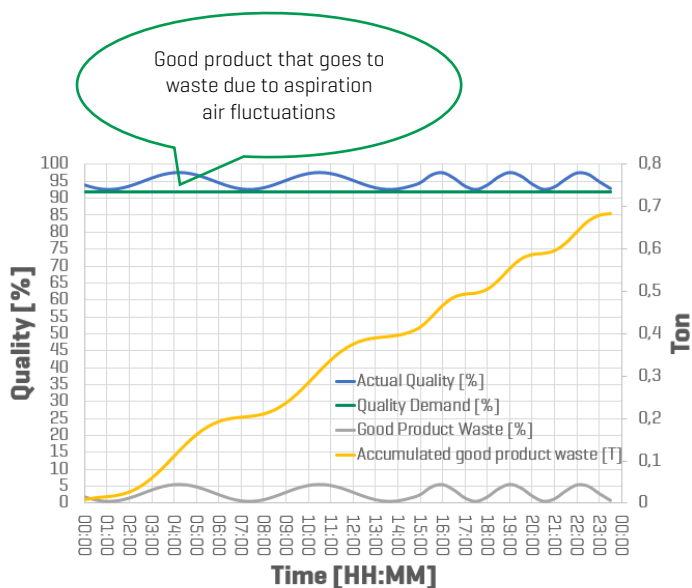
SCREEN CLEANER ADAPTIVE ASPIRATION CONTROL



The Adaptive Aspiration Control enables you to maintain a constant air velocity in the internal aspiration system of the machine regardless of fluctuations in the general aspiration system. And at the same time increase the cleaning process yield by 0.3% - 1% depending on the aspiration air fluctuations.

The Adaptive Aspiration Control [AAC] offers the below features:

- Maintains a constant air velocity in the product sorting zones (pre-aspiration and final aspiration) regardless of fluctuations in the aspiration system – this without the need for intervention.
- Gives a more uniform air separation quality.
- Reduces the percentage of good product in the waste.
- Will automatically regulate if/when product throughflow changes.
- Shortens the running-in period from start-up to full operation, which reduces a lot of the unproductive time you would normally encounter until you reach a stable process.
- Air velocities can be stored for each product in the recipe system.



Installation requirement:

- 6 Bar compressed air supply with coupling possibility of an 8 mm air hose.

Options:

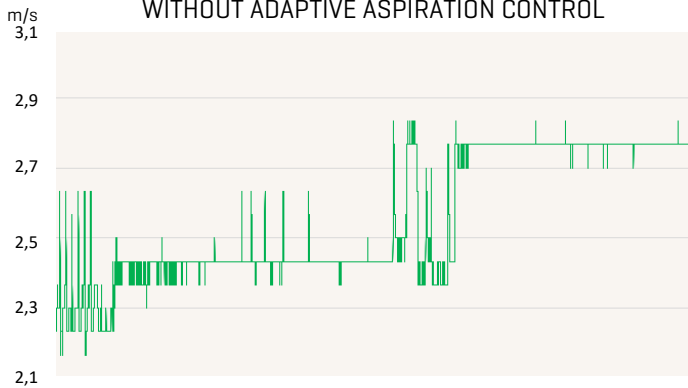
- *External false air valve*
- *Expert assistance in fine-tuning the system*

We provide valuable insights, so you can make qualified decisions

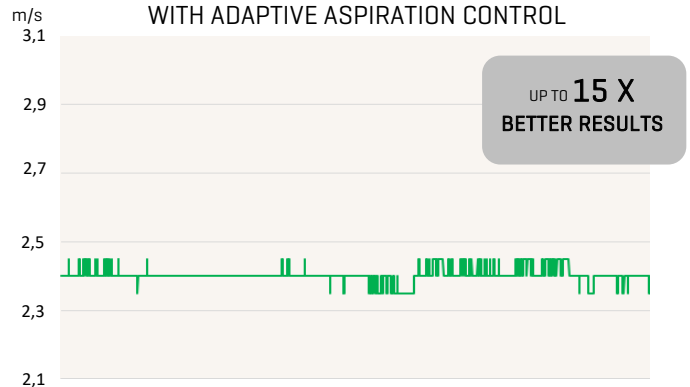
DATA WITH AND WITHOUT THE USE OF THE ADAPTIVE ASPIRATION CONTROL

The graphs below indicates how the basic default settings on the Adaptive Aspiration Control increase your aspiration stability up to 15 times.

WITHOUT ADAPTIVE ASPIRATION CONTROL



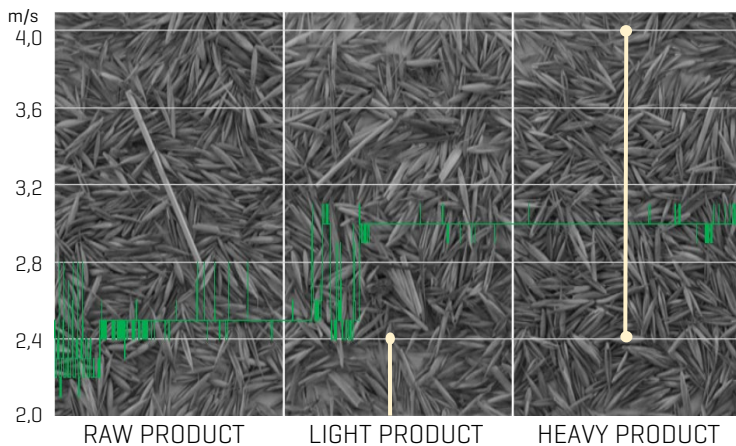
WITH ADAPTIVE ASPIRATION CONTROL



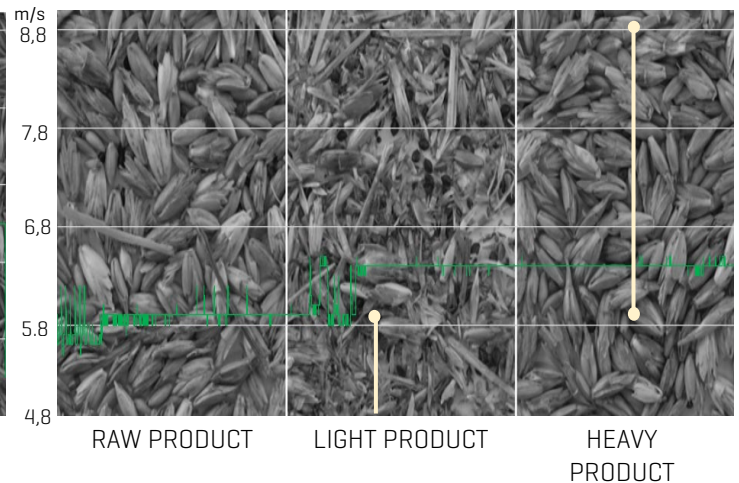
THE INFLUENCE THE ASPIRATION SYSTEM HAS ON PRODUCT PURITY

In the following you can see the data for air cleaning a light product [red fescue] and a heavy product [spelt]. The measurements indicate that fluctuations can have a big impact on product purity.

RED FESCUE



SPELT



THE PROPOSED RETURN ON INVESTMENT FOR THE ADAPTIVE ASPIRATION CONTROL

	GRASS SEED	GRAIN
PROCESSING DAYS PER YEAR	200	200
INPUT CAPACITY PER LINE PER DAY	22.5 t	400 t
PROPOSED IMPROVEMENT	0.3 %	0.3 %
GOOD PRODUCT COLLECTED FROM WASTE PER YEAR	13.6 t	240 t
RETURN ON INVESTMENT	13.6 x [price/t]	240 x [price/t]

