



## Reference

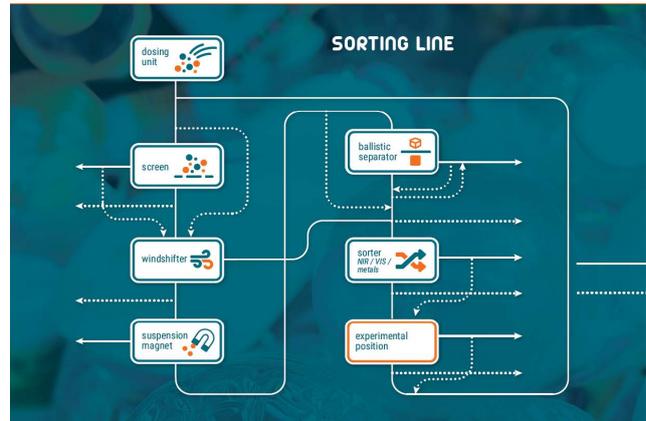


NTCP

National Testcentre Circular Plastics

Completed in May 2020

NTCP Heerenveen (NL) – The independent test centre for open innovation to close the plastic loop – 2 TPH PMD line



Bollegraaf Recycling Solutions was honored by the trust placed in 2020 by the NTCP for the design, production and installation of a unique modular sorting facility aiming at testing and improving the recyclability of plastics from household waste.

The objective of this project was to create a pilot plant with a modular design allowing each sorting step to be executed and sampled individually as well as being bypassed in the line. This test centre also offers an experimentation station for new equipment and technologies to be tested in real conditions. For the sake of experimentation and improvement of recycling processes, the NTCP pilot line can be monitored and parameters can be adjusted directly through a mobile tablet HMI, allowing full flexibility as well as viewing the effect of any adjustments in a timely manner.

Bollegraaf's unique design only used 60% of the planned footprint, allowing further development of the facility with, for example, subsequent expansion of the process with a washing line.

Building on this first success delivered in May 2020, the NTCP is working hand in hand with brand owners on the iterative development of fully circular plastic packaging, as well as on improving the plastic recycling process both in terms of purity and recovery rate of valuables.

In addition to the globally recognized quality of Bollegraaf conveying systems, the NTCP plastic line includes the best technologies that Bollegraaf Recycling Solutions and Lubo Recycling Solutions can deliver, with among others: Drumfeeder, IFE Vibratory Screen, Nihot Windshifter, Overbelt magnet, Lubo Elliptical, Steinert NIR/VIS optical sorting unit as well as the Bollegraaf RoBB (in an experimental position) powered by Bollegraaf artificial intelligence.