



Paper line automation case study

Introducing robotic waste sorting on a paper line in an established MRF

At a glance

Bryson Recycling is the UK's largest social enterprise recycler, based in Mallusk, Co. Antrim, near Belfast.

Established almost 30 years ago, Bryson today runs 12 facilities, with 65,000 tonnes of waste processed in 2021. The company employs over 300 people.

Key metrics

Bryson Recycling wanted to invest in robotic sorting as part of a continuous innovation journey. Working with Recycleye, they found the right partner to deliver a solution to meet their quality and volume output needs.



35-50 PER MIN
Successful target picks



£10K
Low installation cost



100%
Install support from Recycleye



www.recycleye.com

Hello@recycleye.com

CHALLENGES



The Bryson team was looking for a solution to improve purity on a paper line, particularly to pick brown board and carton from a mixed line.

SOLUTION



The installation was quick, simple, completed without large equipment and at low cost by a small team over a weekend. This minimised cost and reduced impact on business operations.

Following initial commissioning, the AI-driven robotic solution is picking consistently, producing an average of 400,000 items a month of target material.



Targeted innovation



People-friendly technology



Clear, accurate dashboards

BENEFITS



- Increased yield**
Delivering between 35 and 50 picks a minute, the robot has increased the purity and volume of target board material and cartons
- Increased output**
Running longer than a human's 10 hour shift, with more than 95% availability, robotic picking is increasing output on the line by 10%
- Increased clarity**
User-friendly dashboards deliver accurate and close to real time information on the line's quality and output