



DESIGN, SALES AND SERVICE FOR BOLLEGRAAF, LUBO AND TOMRA

### ***VAN DYK introduces new robotic sorter, RoBB-AQC***

The [new RoBB-AQC](#) is a fully-automated robotic sorter designed for improved quality control sorting. Known for their dedicated and thorough R&D processes, Dutch manufacturer Bollegraaf developed this new robot model through a decade's worth of in-plant experience.

Bollegraaf has been testing robotic sorters in real MRFs since 2009. What they have discovered over that decade is that the first components to fail in recycling robots is in the arm. Daily need of fresh suction cups and arms that only last a few months are common. Bollegraaf set out to construct a robot that could actually withstand the harsh MRF conditions it was destined to be exposed to. After over a decade working with four different picker attachments they landed on an arm construction that is tough enough to last and does not require daily replacement parts.

The new [Bollegraaf AI-powered RoBB-AQC](#) is the first sorting robot that combines the accuracy of NIR detection with the adaptability of AI-powered learning (no other robot uses near-infrared technology). As a final quality control step on a container line, one RoBB unit will recover up to 70 picks per minute. That's higher productivity and better reliability than two human sorters. RoBB-AQC uses advanced technologies and increased sophisticated artificial intelligence—breakthrough innovations developed by Bollegraaf's research team.

The system is designed with flexibility in mind, as it can be placed on top of existing sort lines with very minimal retrofit costs and minimal downtime. Material selection only requires the touch of a button, and ranges from PET, HDPE, LDPE, PS and PP to Tetra Pak, OCC or paper/cardboard of various shapes and sizes.

RoBB-AQC can sort intermittently or continuously, regardless of working conditions on site, and requires minimal supervision and little maintenance. Its flexible, modular configuration enables you to choose the number of sorting units required and simultaneously sort up to 4 different materials per module. The system's flexibility allows you to change material waste streams, so you can adapt to, for instance, changes in the stream or commodity prices.

For [more information](#), contact Van Dyk Recycling Solutions at 203-967-1100 or [info@vdrs.com](mailto:info@vdrs.com).

#### **SALES LOCATIONS**

NORTHEAST • MID ATLANTIC • SOUTHEAST • SOUTHWEST  
MID WEST • WEST COAST • NORTHWEST • ONTARIO • MEXICO

VAN DYK RECYCLING SOLUTIONS IS THE TRADE NAME FOR VAN DYK BALER CORP. AND LUBO USA, LLC

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