



BOLLEGRAAF RECYCLING SOLUTIONS

Through continuous and intensive investments, Bollegraaf Recycling Solutions has become the market leader in household waste and plastic recycling technology. We are a pioneer in the field of process technology & automation and robotics. Bollegraaf is synonymous with rock solid and unsurpassed reliability. With our know-how, scale and organisational capacity, we are the discussion partner for large market parties when it comes to integrated, turnkey sorting installations.

“Creating a World of Difference” is the message we put out to society in general and recycling parties in particular. Together we make a world of difference in the market. Decisive technology enables us to meet fundamental challenges together with our clients. That’s how we’re building a truly sustainable global future.

Bollegraaf plays a distinctive role in the recycling chain as a Recycling Director. We are able to monitor complex sorting installations remotely and to manage and optimise them together with the operator. Through close partnerships we bear joint responsibility for a maximum separation fraction and minimum costs per kilo of processed waste. Backed by excellent service and long-term maintenance contracts, our solutions generate the highest possible ROI.

HBC BALER®

Based on 50+ years of experience and proven practice, Bollegraaf balers are known to set worldwide market standards in baling technology. Numerous unique design features and quality manufacturing from A-class materials ensure that our balers are capable of processing higher quantities of materials over time, and produce more and heavier bales while using less energy* to offer you the lowest possible operational costs.

Our wide range of balers includes the perfect match to the volume and kind of recyclables handled by your company. Numerous options are available to further adjust your baler to your requirements. We are happy to provide you with advice or assist you with our transportation, installation, and / or maintenance service. Feel free to contact us. We are here to help you sort your business!

*compared to balers with equal compaction force.



ADVANTAGES OF THE BOLLEGRAAF BALER®

HI-TECH HYDRAULIC UNIT

- Compact system layout. Single manifold block with few hydraulic pipes and hoses. Its compactness reduces loss of pressure in the system, resulting in more pressure to produce heavier and square shaped bales. It also reduces oil temperature, chances of oil leakage, and increases oil life.
- Smooth running hydraulics. Absence of pressure peaks results in smooth running, less wear and tear, and less machine noise.
- Silent pumps. Internal gear pumps inside oil tank cause little noise (74-78 dBA).
- Smaller oil cooling unit. The advanced hydraulic layout and control system reduces oil temperature, which requires a smaller cooling system*. (*compared to balers with equal force)
- High quality cylinders. Fitted with spherical cylinder clevises on both ends to extend the lifespan of the cylinder's oil seals.
- Smaller oil tank. The compact hydraulic system requires a smaller oil tank. Absence of pressure peaks reduces oil temperature and wear and tear, which extends the lifespan of the hydraulic oil. This results in lower overall costs for hydraulic oil replacements.

UNIQUE PRE-PRESS FLAP

- Optimizes baling capacity. 30 - 40% more capacity compared to a shear baler like for like force. The pre-press flap processes more material per cycle and produces more compact, heavier and more homogeneous bales, which are easier to stack.
- Saves energy and time. Return oil flow which opens the pre-press flap supports the return cycle of the ram cylinder, saving energy and production time.
- Reduces wear. The pre-press flap divides all baling pressure equally over the material, reducing internal wear and tear. This results in lower operational cost.
- Lower operational cost. Fewer serviceable parts (no sheer knives).
- More versatile. A baler with a pre-press flap is capable of processing far more types of material.

EFFICIENT RAM MOVEMENT

- Low drag, limited wear and tear. Horizontal and vertical steel wheels made from a special alloy steel with closed bearings keep the ram in the best working position, reducing wear and tear and loss of compaction force over time.
- Fast retracting ram cylinder. Fast return cycle of ram cylinder increases the maximum possible number of cycles per period.

ADVANCED TYING SYSTEM

- Single needle system (5x1). '5x1' single needle system is highly accessible, has less components and is very reliable*. (*compared to double needle systems). Our unique twist finger design requires less wire per bale and makes shorter and stronger twists. Savings on wire cost may reach 30%.
- Self cleaning needle heads (Rotoclean). 5 Self cleaning patented 'Rotoclean' needle heads require minimal service only.

SMART OPERATING SYSTEM

- Full process control. Total central control over all stages in the baling process.
- Storage and feedback of process data. Memory function for performance optimization (wireless remote data transfer is available).
- Quick preset menus. Quick and easy switching between 10 pre-installed baling settings. For heavy, homogenous bales without the need for a dedicated installation operator, saving production time.
- Touch screen control. Easy to operate, menu based.
- Digital pressure measurement. Precise registration of system pressures and peaks allows fine-tuning of baler settings. For constant feedback on baler performance.
- B.I.O.S. ready. Ready to install BIOS 'Visual Baler' (Bollegraaf's Information and Operating System for balers).

CONTACT

Tweede Industrieweg 1
9902 AM Appingedam

T: +31 (0) 596 654 333 - F: +31 (0) 596 625 390
info@bollegraaf.com - www.bollegraaf.com

Bollegraaf Recycling Solutions and Lubo Recycling Solutions are part of the Bollegraaf Group.

BOLLEGRAAF

RECYCLING
SOLUTIONS



LUBO
RECYCLING
SOLUTIONS