

Stark Industries

BALER PRESS MACHINES & CONVEYORS

MEDIUM TO HIGH LOAD BALER MACHINES
PREMIUM SERIES



STARK INDUSTRIES

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World class Premium Bailing solution

❖ Overview:

Introducing the STARK BALER Medium to High Load Shear Baler Series – the ultimate solution for companies immersed in the waste management industry. Crafted with precision and expertise, this shear baler series boasts a time-tested design refined over several years, offering unparalleled heavy-duty construction and unmatched throughput capabilities. With its high specific pressing power, materials are compacted to perfection, ensuring an optimum full truck load, reducing transportation costs and enhancing efficiency. Embracing a range of applications, the series features shear blades and horizontal, or optionally vertical wire tying, making it ideal for processing various materials with exceptional quality – especially excelling in the handling of very heavy pressed materials. Trust in the STARK BALER series to elevate your waste management operations to new heights of productivity and sustainability.

Machines are available with hopper sizes, feed openings and power units tailored to suit the application in hand.

- Press ram with rollers on wear plates
- Pressing force: 60-200 Tones
- Bale size: 900 × 900 mm, 1100 × 900 mm and 1100 × 1100 mm
- Main hydraulic motor: 22 kW, 30 kW, 45 kW, 55 kW, 2 × 30 kW, 75 kW, 2 × 45 kW, 2 × 55 kW, 2 × 75 kW
- Feed opening: 1300 mm, 1600 mm and 2000 mm

❖ Most Suitable for:

- Industrial applications with high material loads
- Printers, and pulp, paper, and corrugated cardboard packaging manufacturers
- Installations for document shredding
- Distribution & Shopping centers
- Waste disposal companies
- Insulation & fiber manufacturers

❖ Principle Stark balers:

Discover the remarkable advantages of STARK Balers, where innovation meets efficiency. At the heart of our balers lies an extended compression chamber, coupled with a main press ram that revolutionizes the cutting and pressing process. This ingenious design enables the separation of cutting and pressing operations, harnessing the full force of the main ram for cutting, and then for pressing the bale. As a result, the bales achieved are denser and more compact, leading to a significant reduction in energy consumption, promoting cost-effectiveness, and sustainable waste management. With the last stroke before tying, the main ram exerts its power to push the material deep through the tying site. This specialized feature is especially advantageous for compressing materials with "memory," such as plastic (PET, foil), and high-density materials. The ability to efficiently compress such materials guarantees optimum bale density, maximizing transport efficiency, and minimizing the ecological footprint. Experience the cutting-edge technology and superior performance of STARK Balers, setting new standards in waste management and sustainability. Join the ranks of businesses benefitting from our innovative solutions and take a leap forward towards a greener future.

❖ Features of STARK balers:-

1. POWER PACK

- The compact PHE cooled power pack is fully integrated into the baler frame with energy efficient and silent main drive depending on demand.
- Oversized hydraulic block is directly attached to the rear of the main cylinder for minimum flow losses due to reduced piping.
- Integration of all auxiliary functions with the main hydraulic block for avoiding the leakage risk.
- STARK balers are powered by one, two or three premium efficiency motors for extra energy savings.
- At the heart of the system STARK utilizes multistage pumps, high volume vane pumps and variable displacement high-pressure pumps and specially designed REGENRATIVE system for optimum performance.



2. FAST MOVING CYLINDER

- Track measuring in the real time ensuring perfect ram positioning and setting thus improving the balance between bale density and energy consumption.
- Heavy duty 200 BAR cylinder ensure to put maximum pressure on OCC to compress it's max limit.



3. PRESS CHANNEL

- Automatic pressure- controlled channel adjustment on three sides guarantee high bale weights also with different materials.
- Long channel for low friction material such as plastics helping to continuously maintain optimal density of the bales.



4. PRESSING CHAMBER

- All areas subjected to heavy wear are protected by easily exchangeable bolted HARDOX wear plates, thus extending the life of the wear parts and reducing operating costs.
- HARDOX plates are specially imported from japan having high hardness which resist the friction between RAM and CHAMBER and extends life of both.



5. SMART CONTROLS

- User friendly, comprehensive Siemens touch-panel with embedded recipe management with extensive function and data display, leads to a simpler and safer operation of the baler.
- Operators only need to select the material grade to be processed. The embedded recipe system chooses the correct machine parameters to produce the best bale possible.



❖ High bale quality:-

- Software, optimally adjusted for the different materials, guarantees high bale quality even when material is frequently changed.
- Optimized bale dimensions and bale weights for efficient full truck loading.



OCC



ALU CANS



MIXED PAPER



WOOD CHIPS



RDF



PET



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