



[®]
**CAPITAL
COMPACTORS
& BALERS**

www.capitalcompactors.co.uk

APK C Fully Automatic Baler

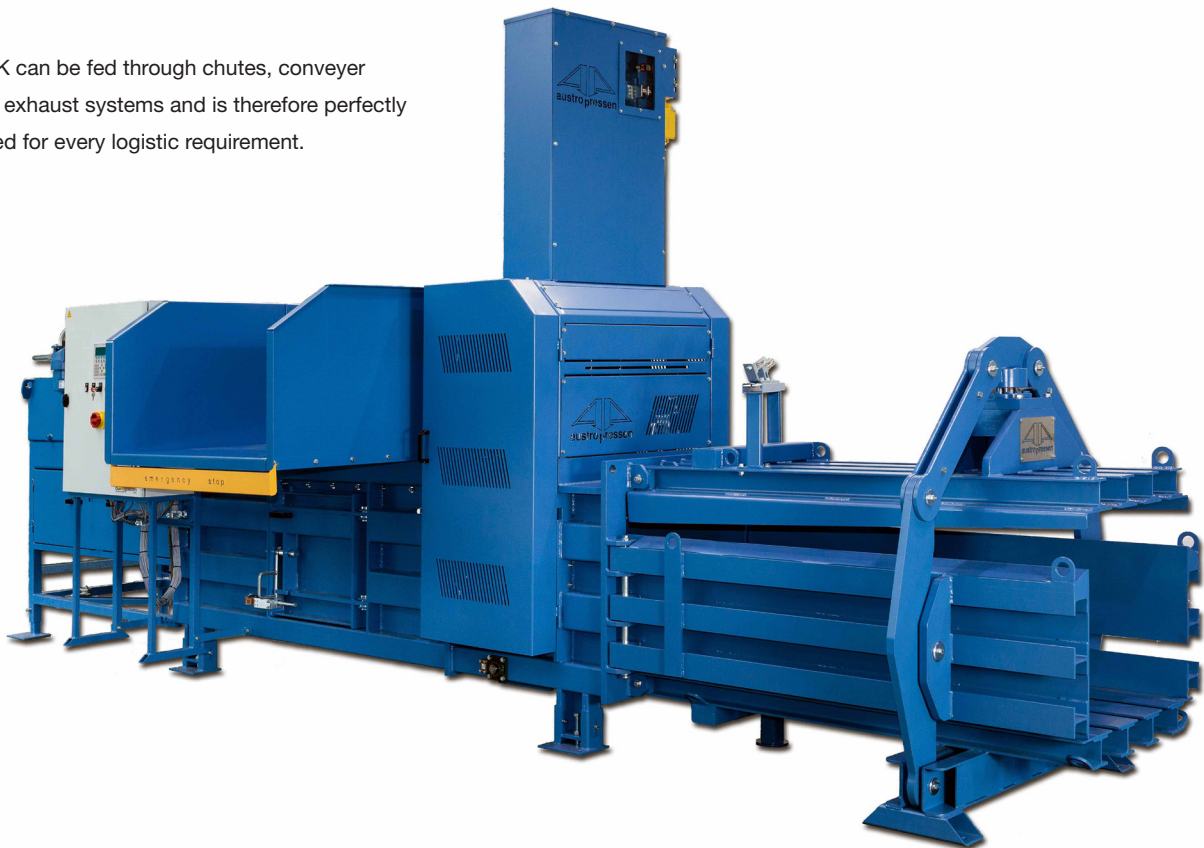
Overview

Capital Compactors & Balers provide a wide range of fully automatic balers for cardboard, mixed paper, plastic, wooden fruit boxes, PET bottles and lightweight waste. Capital Compactors & Balers have vast experience, and cooperation with many waste management and disposal companies as we offer a large variety of different equipment and components making the APK suitable for almost every material. Highly compacted and stackable bales ensure optimal truck and shipping container loading reducing CO2 emissions and improving the circular economy.

These continuous, reliable machines in combination with an optimal feeding attachment give modern, future-oriented and cost efficient waste handling. Models of the APK-C are available in different sizes with pressure forces of up to 420kN. The use of trademarked components with high standard of quality guarantees a long life of the machine.

One big advantage of the machine includes the photocell operation which allows continuous feeding. An optimal designed press ram guide in combination with two specially shaped cutting units guarantee a trouble free continuous operation.

The APK can be fed through chutes, conveyer belts or exhaust systems and is therefore perfectly equipped for every logistic requirement.



Machine

- Torsion free steel construction made of steel St52
- Replaceable wearing sheets made of HARDOX 450
- Key transfer system for more operator safety
- Inspection doors on both sides of the machine for a quick and safe maintenance



Press Plate

- Maintenance friendly press plate
- Big roller guide of the press plate allows to take this high pressure



Cutting System

- Knives from press plate and counter knives made of hardened and cut tool steel K340
- Ideal designed knives with optimal cutting angles guarantee a trouble free and power efficient cutting of the overlaying material



Hopper

- Diverse types of hoppers for different application areas and requirements
 - Hopper for manual feeding
 - Hopper with inspection door
 - Intermediate hoppers
 - Hopper for conveyor belt
 - Tailor made hoppers
- Basic hopper with inspection door and window

Option

- Control light barrier Integrated in the hopper; needed for control of overfilling



Pressure Channel

- Automatic pressure-controlled channel adjustment on three sides guarantee high bale weights
- Adjustable counter and opening pressure

Options

- Duo switch with 2 pressure stages for optimal compaction of different materials
- Extended pressure channel, essential for frequent material changes and to increase bale density of materials with little friction (e.g. PET-bottles)



Hydraulic System

- Special self-made hydraulic cylinders with hard chromed piston
- The hydraulic unit is equipped with a self-regulating low noise axial piston pump including automatic switch off
- Only selected brand components from reputable manufacturers (Rexroth, Parker) are used
- Spaciously dimensioned oil tank including oil filling
- Oil temperature and level monitoring
- Oil filtering with pressure filter 10 M μ
- Hydraulic valves and hydraulic lines generously dimensioned
- Maximum pressing speed together with low energy consumption is reached due to the use of optimal designed hydraulic blocks and valves

Options

- Oil heating and oil cooling systems (available are aggregates from 7,5-150 kW)
- Oil care system (cooling, heating and cleaning all covered by one system)



Binding System

- Fully automatic binding inclusive wire drawing out facilities with drilling needles
- Perfectly sized binding (vertically or horizontally)
- Wire-saving binding system Drillfix 1.0
- For vertical binding and compaction of small parts (paper strips) a wire inserter ensures the safe transfer of the wire to the wire pulling unit
- To improve the quality of bales for expanding materials we provide additional bindings (also cross-strapping)

Options

- **Wire Control:** Possibility of electric wire monitoring; automatic report when wire ends
- **Wire feeding Device:** for 400-800 kg coils



Electrical Systems

- Electric control Siemens S7-300 SPS
- Siemens Simatic Panel KTP 700 Basic Color Display (basic machine data, operation steps)
- Settings: bale length adjustment, safety time for the hydraulic motor, light sensor delay, bale counter, operating hour counter, 2-channel emergency stop system, standard control box heating

Options

- **Operator Panel:** Graphical display with all function indicators, used for storing various data
- **Special Controls:** electrical equipment is also available in other brands (Schneider, Allen Bradley)
- **Control Completion:** for conveyor belts or other feeding systems;

As potential free contact or with direct control development including circuit breaker and contactor.



Extras

Bale Crane

- Easy handling of the baling needles

Perforator (2 sizes)

Slashes or stabs hollow plastic (eg PET bottles) before compaction and ensures an optimum compact bale

- Higher bale weights
- PFP650 with a throughput of up to 25.000 1l-bottles/h
- PFP825 with a throughput of up to 60.000 1l-bottles/h

Circulator (2 sizes)

- Distributes the material in the press room and therefore ensures an evenly constructed and compact bale
- Pre-crushing of the material NOT necessary
- Motor power 11kW or 15kW

Conveyor Belts

- The channel baling presses can be equipped with different conveyor belt systems.



Minimise Your Waste Maximise Your Savings

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