

More profitable waste handling with



Brickman
solutions

Meeting the challenge



with Brickman presses

Fully automated Brickman briquette presses meet the challenges presented by waste handling at source in many business and organizations. They rapidly minimize the volume of waste material in a cost-effective way to help you keep aisles, passageways and other spaces free from clutter, thereby promoting unhindered and rapid movement around rooms or a building.

With over 1000 installations worldwide for small- or large-scale waste handling, Orwak has built up a great deal of knowledge and experience with Brickman presses.

Keeping it clean

Typical waste compacted into dense briquettes by Brickman presses comprises cardboard, corrugated cardboard, PET bottles and aluminium/steel cans. Therefore our presses are found wherever such waste accumulates and needs removing, including:

- | | |
|---------------------|-----------------------------|
| Industrial premises | Warehouses |
| Shopping centers | Department stores |
| Aluminium plants | Hospitals |
| Ferries | Offshore facilities |
| Breweries | Printers and graphic design |

A Brickman press is so simple to operate that anyone can use it. Waste material does not need to be reduced in size and briquette binding is not required. A compression ratio of about 20:1 presses large amounts of waste into small briquettes for recycling.

There are no machine doors or lids to open or close when loading waste, the press can be fed while it is running – which facilitates automation and integration as part of a system solution – and safety is enhanced by no moving parts within reach and no risk of compaction injuries.

Generating and saving money

Investing in a Brickman press is profitable for you. Highly compacted waste means less internal transport and fewer container pickups, and sorting at source yields high-quality briquettes for recycling that warrant a good price. Generating and saving money through recycling leads to rapid system payback and helps you achieve the best total waste handling economy.

Making sure less is more
Orwak waste handling solutions don't just produce less volume of waste, they yield a number of other reductions that give you a corresponding number of financial and other benefits.

- | | |
|----------------|-------------------|
| Less transport | More money |
| Less disposal | More income |
| Less handling | More efficiency |
| Less clutter | More space |
| Less risk | More security |
| Less time | More productivity |
| Less mess | More hygiene |
| Less trouble | More satisfaction |
| Less energy | More savings |
| Less pollution | More cleanliness |

Orwak is "making sure less is more" so that you can take control over your waste management activities at source to achieve the best total economy.

The completely automa



Brickman family

Brickman briquette presses are available in several different sizes and models to satisfy virtually all your requirements for the cost-effective compaction of diverse materials. Common to all models is simple, safe and effective operation. Everyone can use a

completely automated Brickman press, without the need for additional effort, to compact various waste to hard briquettes. A Brickman press can be conveniently located where most material waste is collected to minimize handling time and internal transport costs.



Brickman 900/1200

A versatile, quiet and easily operated briquette press for compacting many different types of material of sizes up to that of transport pallets. With an infeed container of 1.5 m³ and a capacity of up to 1200 kg/hour, waste material is automatically compacted to dense briquettes with a cross-sectional area of approximately 200 x 200 mm.



Brickman 300

This is a compact, quiet and easily placed briquette press for small to medium-size waste. With an infeed container of 0.75 m³ and a capacity of up to 300 kg/hour, waste material is automatically compacted to dense briquettes with a cross-sectional area of approximately 80 x 80 mm.



Brickman 900K/1200K

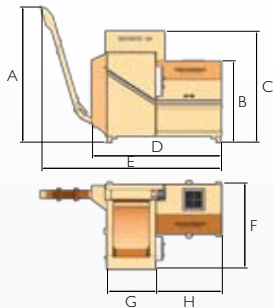
A dependable, quite and effective briquette press for large amounts of voluminous waste. With an extremely large infeed container of 2.0 m³ and a capacity of up to 1400 kg/hour, waste material is automatically compacted to dense briquettes with a cross-sectional area of approximately 200 x 200 mm.



Technical data

Dimensions: Brickman 300

A: 2240 mm E: 3000 mm
 B: 1360 mm F: 1440 mm
 C: 1880 mm G: 825 mm
 D: 2190 mm H: 1100 mm



Machine weight

1600 kg

Press power

25 tonnes, 250 kN, 500 kg/cm²

Briquettes

Briquette size: 80x80x100–300 mm

Density: up to 600 kg/m³

Infeed volume

Infeed cont.: 0.75 m³

Power supply

Current: 400 V, 3-fas, 50 Hz

Fuse: 25 A (slow)

Motor: 7.5 kW

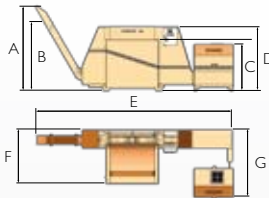
Hydraulic data

Hydraulic pump: Double lobe
 Working pressure: max 200 bar

Dimensions:

Brickman 900/1200

A: 2470 mm E: 5710 mm
 B: 2010 mm F: 1570 mm
 C: 1350 mm G: 1960 mm
 D: 1870 mm



Machine weight

B900 3200 kg
 B1200 3300 kg

Press power

25 tonnes, 250 kN, 62 kg/cm²

Briquettes

Briquette size: 200x200x100–300 mm

Density: up to 400 kg/m³

Infeed volume

Infeed cont.: 1.5 m³

Power supply

Current: 400 V, 3-fas, 50 Hz

Fuse: B900 25 A (slow)

B1200 40 A (slow)

Motor: B900 7.5 kW

B1200 11.0 kW

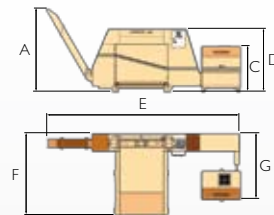
Hydraulic data

Hydraulic pump: Double lobe
 Working pressure: max 200 bar
 Hydraulic oil: equiv. HVXA 32

Dimensions:

Brickman 900K/1200K

A: 2240 mm E: 5710 mm
 B: 2010 mm F: 2430 mm
 C: 1350 mm G: 1960 mm
 D: 1870 mm



Machine weight

B900K 3700 kg
 B1200K 3800 kg

Press power

25 tonnes, 250 kN, 62 kg/cm²

Briquettes

Briquette size: 200x200x100–300 mm

Density: up to 400 kg/m³

Infeed volume

Infeed cont.: 2.0 m³

Power supply

Current: 400 V 3-fas, 50 Hz

Fuse: B900K 25 A (slow)

B1200K 40 A (slow)

Motor: B900K 7.5 kW

B1200K 11.0 kW

Hydraulic data

Hydraulic pump: Double lobe
 Working pressure: max 200 bar
 Hydraulic oil: equiv. HVXA 32

Handy accessories

A wide range of accessories, including various containers, big-bag holders, infeed funnels, sound-absorbing panels, conveyor belts and a metal separator, helps to tailor Brickman presses to better satisfy your needs.



A total approach to waste handling

User friendly

- Waste needs no size reduction before compaction
- No binding of bales
- Feeding can be carried out during machine running
- All personnel can operate the machine



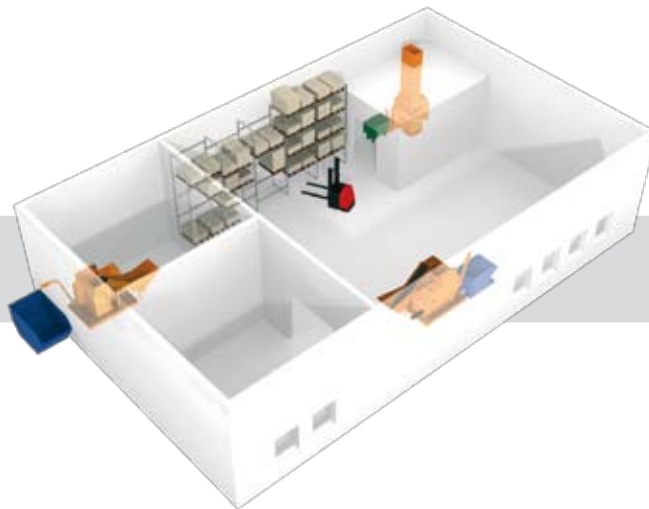
Automation

- Material infeed and briquette outfeed are simple to automate
- Easy to integrate in system solutions
- Customized and flexible solutions possible
- Time-saving process



Good logistics

- Can be placed internally beside waste disposal station
- Compaction at source minimizes internal transport costs
- Easy to move system: no fixed installation
- Low installation costs

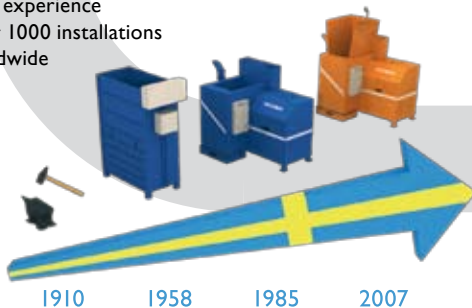


Working environment

- Highly safe. No moving parts within easy reach
- No doors or lids to open or close
- Low noise level, ca. 68 dB(A)
- Minimal risk for personal injury
- Satisfied personnel

Know-how and quality

- Own development
- Made in Sweden
- Long experience
- Over 1000 installations worldwide



Unique compaction power

- Large material volumes compressed to compact briquettes
- Free choice of container used to store briquettes
- Density up to 600 kg/m³ (corrugated cardboard)
- Compression ratio 20:1 (mixed corrugated cardboard)
- Reduced transport costs





Leader in compaction and baling solutions

Orwak is a world leader in compaction and baling solutions for solid waste material at source. We develop, manufacture and market a comprehensive range of waste compactors, baling systems and “Brickman” briquette presses for recyclable materials that make waste management more profitable. We also offer fully automatic balers for recyclable materials through our sister company Presona. This is where Orwak’s unequalled

technology, expertise and service support make all the difference. When you partner with Orwak, you also gain access to the vast experience we have built up since 1971.

Orwak is wholly owned by the Norwegian company Tomra, a leading global player in providing integrated solutions for recovering and recycling used packaging.

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Making sure less is more

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