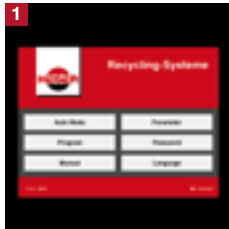


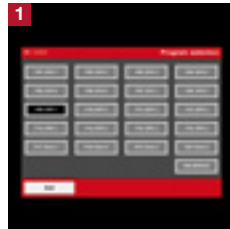


**THE LION – The compactor turns disposal costs
into raw material revenues**





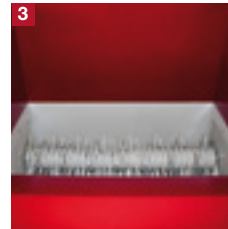
Easy operation and display of all machine functions via a colour touch panel.



20 application programs are available, which can be readily adapted, as required, to a wide range of materials.



To ensure maximum operational safety, only high-quality components from reputable manufacturers are integrated in the control cabinet.



An efficient primary crusher with two cutting blade shafts crushes the parts into 20-50 mm sized small pieces. The screw forces them into the pressure channel and compresses them.



THE LION processes all foamed plastic wastes EPS (Styropor®), XPS, EPP, PUR and EPE into highly compressed blocks.

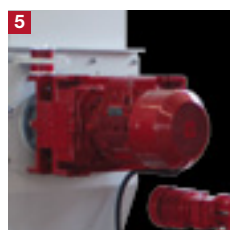


THE LION:
Reliability because
Made in Germany

The sensor-monitored filling level with control window ensures a fully automatic operation with no overfilling or idling.



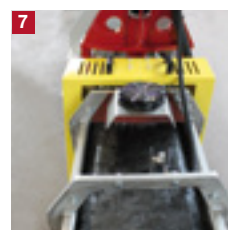
Robust engineering drive. Two extra-strong gear motors drive the primary crusher's cutter shafts.



The fully automatic pressure regulator (ADC) with lifting spindle technology (no hydraulics or pneumatics) enables the production of highly compressed blocks without re-expansion.



A heating system specially designed for THE LION machine concept smelts a homogeneous external skin around the compressed block.



The dimensionally stable block ejected at an even speed at the machine outfeed is easy to palletise.



Reliable. Efficient. Intelligent.

The Heger THE LION line uses innovative technology to compress bulky foam waste (EPS (Styropor®), XPS, EPP and EPE) extremely efficiently into easy to manage, stackable blocks – with no re-expansion. THE LION is therefore the all-rounder of the compression systems. Even crushed PE foil pieces can be compressed into dimensionally stable blocks.

The extreme reduction in volume thus achieved (in the ratio of 50:1) does not only produce a considerable saving in transport and disposal costs, but the blocks produced can be also recycled as material, therefore contributing to a rapid amortisation.

Technical features

- Optimal compressing results thanks to a performance-oriented machine concept
- Long service life thanks to a robust engineering drive
- High degree of operational safety thanks to electromotive drives with no hydraulics or pneumatics
- Customisable thanks to a modular overall construction concept
- Efficient workflow thanks to fully automatic pressure regulation – ADC (automatic density control)
- Either the block speed or torque can be used as compressing strategy
- Homogeneous fusion of the block surface thanks to energy-saving heating technology
- Comfortable, fully automatic operation thanks to state-of-the-art PC control with touch panel
- Highly efficient thanks to low operating and maintenance costs
- Simple commissioning thanks to plug-in delivery
- CE labelling



THE LION – the all-rounder. Even EPP load carriers of up to 120 g/l can be processed using this machine concept without any problem.



THE LION compression line can be operated for many hours without personnel and considerably increases efficiency when used with large amounts.



The extremely high compression of EPS/Styropor®, EPE, EPP, ARCEL, PUR, XPS and PE foil turns high disposal costs into raw material revenues. Depending on use, Heger recycling systems may possess an amortisation period of less than one year.



Compression systems in compact design

Size / Variants	Throughput (Kg/h)	Daily amounts (Kg/Day)	Achievable density (Kg/m ³)	Block dimensions (mm)
LION 200	40-60	100-300	250-700	210 x 210
LION 300	80-120	300-600	250-700	320 x 320
LION 400	150-250	500-1000	250-700	400 x 400

Compression systems with buffer silo

Size / Variants	Throughput (Kg/h)	Daily amounts (Kg/Day)	Achievable density (Kg/m ³)	Block dimensions (mm)
COMPRESSION-Line LION 300	80-120	400-800	250-700	320 x 320
COMPRESSION-Line LION 400	150-250	700-1500	250-700	400 x 400
COMPRESSION-Line LION 400x2	300-500	1400-3000	250-700	400 x 400



Automobile industry



Disposal companies



EPE Packaging manufacturers



Foil manufacturers



EPS Mouldings manufacturers



EPP Mouldings manufacturers

Experience in the trade

Automobile industry

- Compression of EPP load carriers

Disposal companies

- Compression of EPS, EPP and EPE

Packaging manufacturers

- Compression of scrap components and EPE cuttings

Foil manufacturers

- Compression of crushed marginal EPE strips

Mouldings manufacturers

- Compression of EPS / Styropor® and EPP scrap components