



THE TIGER



COMPACTION SYSTEMS FOR EPS, Styropor®.
ECONOMICAL. POWERFUL. SUPERIOR.



Application

HEGER compaction systems of the **THE TIGER** series compact bulky parts made of EPS (Styropor®) in a highly economical manner into easy to handle blocks. The extreme reduction in volume achieved in this manner allows for enormous savings in transport and disposal costs.

Compressed EPS blocks can be picked up by recycling companies and prepared for reuse as high-quality PS granulate, (recycled into other plastic parts)

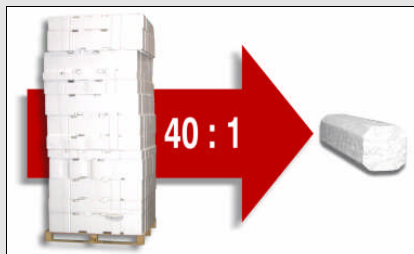


Working Principle

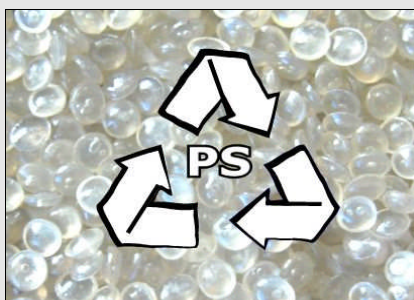
The operator places the EPS parts in the loading hopper of the machine. An efficient Pre-breaker with two toothed rotating shafts reduces the shaped parts into pieces 20-50 mm in size, which are forced by an auger into the pressure channel, thereby compacting them. The square block continuously expelled on the machine discharge can be easily separated using the automatic breakpoint function and loaded onto pallets.

Advantages

- Enormously reduced storage, transport, and disposal costs.



- Compressed EPS (Styropor®) is treated as a valuable material and can be recycled.



- More effective processes in waste management save valuable human resources.
- High economical usage factor and efficiency. A minimal expenditure of energy achieves a maximum reduction in volume.
- Low operating and maintenance costs.
- No waste EPS (Styropor®) in landfills.

Technical Features

- Output-oriented machine concept.
- Sturdy drive design ensures a long service life for the machine.
- All built-in drives are driven by electrical motors. (no hydraulic or pneumatic drive)
- Overall modular concept makes it possible to implement individual customer requests.
- Fully automatic pressing force control (ADC) with assigned breakpoint function. (The length of the block is programmable.)
- The pressure channel is made of stainless steel and is able to process moist EPS packages such as fish boxes without leaving traces of rust behind on the or surface.
- A water-cooled pressure channel allows for extremely long operating times.
- Automatic shut-off if the machine runs empty.
- Switch cabinet has modern PLC control unit.
- The machine is delivered ready to be connected to an appropriate disconnect or plug and use immediately.
- All machines are CE standard-compliant.
- Can be fed by hand, conveyor or silo.



Systems Overview and Technical Specifications ¹⁾

System / Version	Throughput ²⁾ (Kg/h)	Compaction Density ²⁾ (Kg/m ³)	Screw Compactor	Block Dimension (mm)	Pre-breaker	Feeding Width (mm)	Weight (Kg)	Rated Power (KW)	Electrical Connection (V)
THE TIGER 130									
TIGER 130 T	10-15	200 – 300	SV 130	130 x 130	-----	600	250	1,5	1 x 230 V
TIGER 130 B 600	15-20	200 – 300	SV 130	130 x 130	SZ 600 NK	600	450	2,6	3 x 400-480 V
TIGER 130 B 850	15-20	200 – 300	SV 130	130 x 130	SZ 850 NK	850	500	3,7	3 x 400-480 V
THE TIGER 200									
TIGER 200 T	35-50	250 – 350	SV 200	210 x 210	-----	600	500	5,8	3 x 400-480 V
TIGER 200 B 700	50-60	250 – 350	SV 200	210 x 210	SZ 700 N	700	800	8,8	3 x 400-480 V
TIGER 200 B 1000	50-60	250 – 350	SV 200	210 x 210	SZ 1000 N	1000	1000	11,8	3 x 400-480 V
THE TIGER 300									
TIGER 300 B 700	80-120	250 – 350	SV 300	320 x 320	SZ 700 N	1000	1300	10,9	3 x 400-480 V
TIGER 300 B 1000	80-120	250 – 350	SV 300	320 x 320	SZ 1000 N	1000	1400	13,9	3 x 400-480 V
TIGER 300 B 1200	80-120	250 – 350	SV 300	320 x 320	SZ 1200 N	1200	1500	13,9	3 x 400-480 V
THE TIGER 400									
TIGER 400 B 1000	150-200	250 – 350	SV 400	400 x 400	SZ 1000 N	1000	1800	17,4	3 x 400-480 V
TIGER 400 B 1200	150-200	250 – 350	SV 400	400 x 400	SZ 1200 N	1200	1900	17,4	3 x 400-480 V
TIGER 400 B 1400	150-200	250 - 350	SV 400	400 x 400	SZ 1400 NB	1400	2000	19,4	3 x 400-480 V

¹⁾ Subject to technical modifications ²⁾ Depending on material type and source density