

Stationary Scrap Shears



Pic. 1: 800 t Scrap Shear, Type Hy-PS 800



Pic. 2: Front view, 800 t Shear, Type Hy-PS 800

The design of the ORM press shears is based on more than 35 years of approved Oberländer concept with cylindric guides for the shear head ensuring a precise cut between the upper and lower blades. Adjustment of the guides is not necessary. The shear is build within a robust, twist resistant welded construction allowing installation directly onto concrete without anchorage and therefore having low foundation costs.

The shear is equipped with a hydraulically operated filling box (pic. 3) which allows charging of the shear during production. This design decreases the charging time and increases the productivity. The machined pressing box ensures the precise movement of the compactors as well as fast and stick free pre-compaction of bulky scrap.

Large volume scrap is compacted effectively and easily by means of a side compactor and a pressing box flap operating along 2/3 of the pressing box width. The extra long vertical holder guides allow the scrap that has been pre-compacted by the side-compactor to be pressed against the lowered vertical holder, allowing bales can be produced as well.

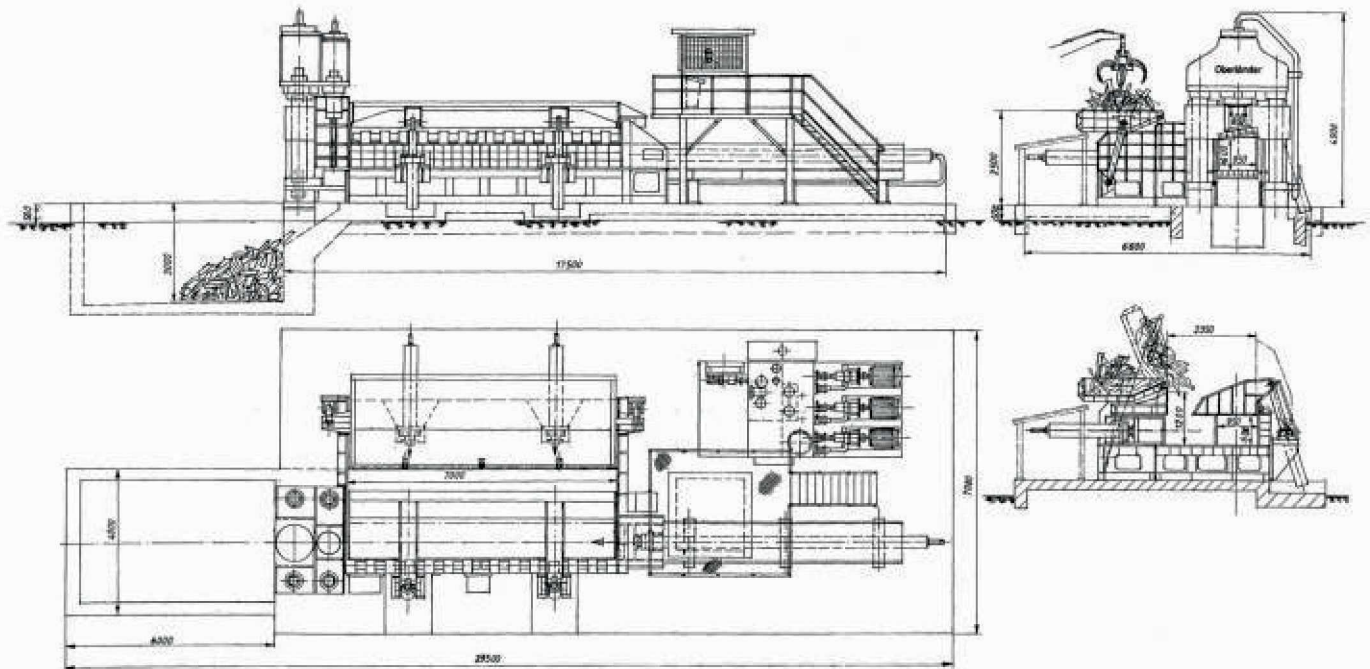
Large hydraulic pipe and valve cross sections lower oil turbulence and result in a higher power yield.



Pic. 3: View into the filling box



Pic. 4: View on the shear head with cylindric guides (guide covers removed)



Sketch: Layout 800 t scrap shear, Type Hy-PS 800

Technical data:

	Hy-PS 600	Hy-PS 800	Hy-PS 1100	Hy-PS 1300
Cutting force, t	600	800	1,100	1,300
Pressing box length, mm	6,000	7,000	7,000	8,000
Pressing box width, mm	2,300	2,350	2,350	2,500
Pressing box depth, mm	1,200	1,200	1,500	1,600
Cutting width, mm	700	940	940	1,200
Strokes per min. approx.	4 – 6	4 – 6	4 – 5	4 – 5
Vertical holder force, t	135	200	300	400
Flap force, t	300	300	400	400
Side compactor force, t	300	400	500	600
Advancing stroke force, t	120	150	200	200
Production, t/h *	15 – 18	18 – 26	28 - 35	32 – 40
Main drives, kW	180	270	360	450
Total weight approx., t	130	180	240	320

* depends on type of scrap and cutting length