



LIDEX

Manufacturer of shears, balers and shredders for
the scrap metal recycling industry since 1947.



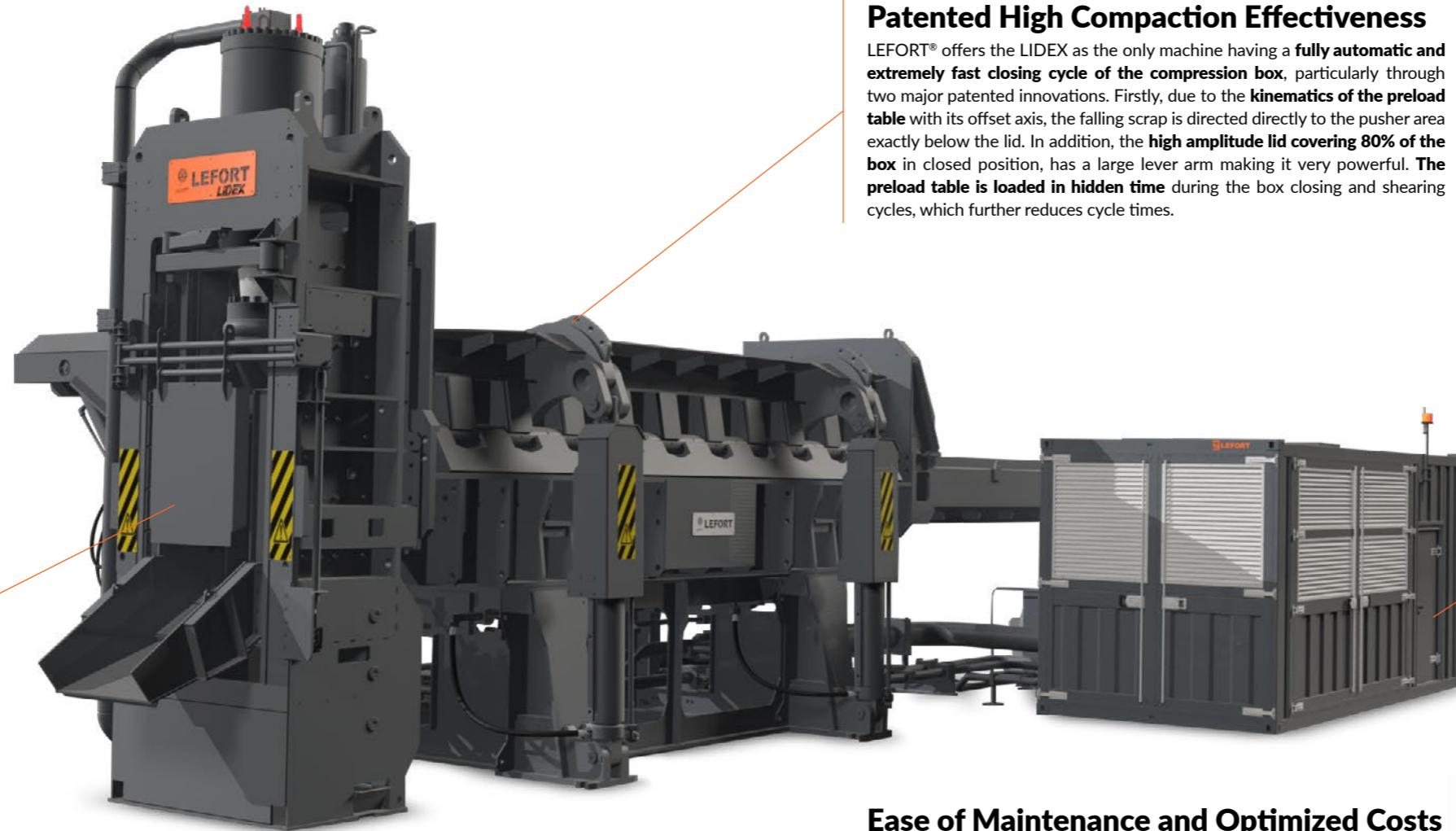


LIDEX scrap shears are ideal for **processing heavy and bulky metal scrap** or when **high production volumes** are required. They are the only side compression machines to offer a true **fully automatic cycle** that includes the discharging of scrap materials from the preload table into the compression box, the closing of the box and the complete cutting cycle.



A Fast Shear

The shear makes **7 cuts per minute** thanks to the simultaneous movements of the shear and the hold-down. **Equipped with a rail breaker**, it processes the hardest scrap. A hydraulic balancing valve system regulates the downward movement of the shear using maximum power while controlling the movement perfectly. In case of sudden material breakage, a counter-pressure compensates the own load of the blade slide block while its extended guide system **reduces the clearance between the blades and guarantees constant cutting performance.**



Patented High Compaction Effectiveness

LEFORT® offers the LIDEX as the only machine having a **fully automatic and extremely fast closing cycle of the compression box**, particularly through two major patented innovations. Firstly, due to the **kinematics of the preload table** with its offset axis, the falling scrap is directed directly to the pusher area exactly below the lid. In addition, the **high amplitude lid covering 80% of the box** in closed position, has a large lever arm making it very powerful. **The preload table is loaded in hidden time** during the box closing and shearing cycles, which further reduces cycle times.

Ease of Maintenance and Optimized Costs

The machine is delivered with an **ideal ergonomic maintenance platform** and special tools for quick and safe blade changes. Through the **screwless lower blade tightening system**, the time required to replace blades is only 2 hours with 2 operators.



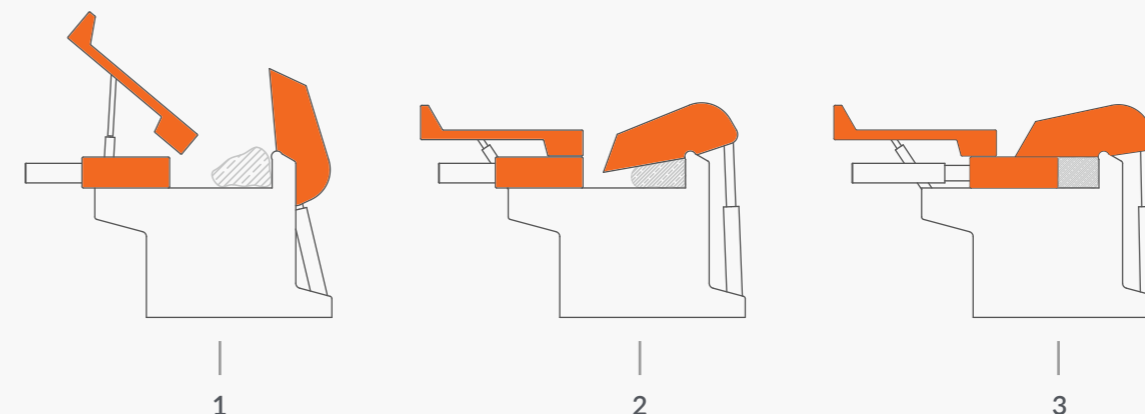
Operation Control

The **intuitive touch screen** displaying all production parameters and operating data can be used to carry out preventive tests and manage alarms. An additional portable screen can be positioned in the loading crane. Remote maintenance allows LEFORT® to take actions remotely at the operator's request.



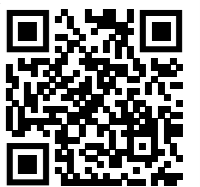
Energy Efficiency

High cutting speeds are made possible by the simultaneous automatic movements of the hold-down, the shear, the side-press, the lid and the preload table. The speed of the movements is increased by the transfer of oil between the cylinders and the **use of new generation high pressure pumps**. While cycle times are optimized, **energy consumption is reduced by 17%** in comparison to previous generations of scrap shears. In addition, the proportional design of the hydraulic pumps means increased energy efficiency during certain operating phases.



Cutting Force t		1000	1300	1500	1700	2000
Compression box	L (mm)	8000	8000 / 10 000	8000 / 10 000	8000 / 10 000	10 000
	W (mm)	2000	2600	2600	2600	2600
Cutting width	mm	800	1000	1000	1000	1500
		1000	1350	1500	1500	
Electric power unit	KW	3/4 x 110	5/6 x 110	5/6 x 110	6/8 x 110	8/10 x 110
Capacity up to	t/h	45	68	80	100	115

Electric or diesel version, hydraulic unit in container, extreme climate adaptation: Feel free to consult us for your specific requirements.



To find out more, scan the QR code to watch the video online

