

# MacDonald Steel Limited

## Environmental Systems Division

Exhaust Systems - Dust Collector/Filtration Units – Balers – Fans – Shredders – Hogs

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### MINI-SHREDDERS



The [MacDonald Steel](#) Mini-Shredder is employed to accept trim waste on a continuous basis from an air-conveyor or belt conveyor or on an intermittent basis as a floor sweep for general clean-up, and reduce the scrap in size for more convenient handling and to improve the baling characteristics of the scrap.

The scrap material is reduced into small pieces in the shredding section consisting of a series of fixed teeth on a rotating arbor which pass through a fixed grating. A V-belt drive is used to run the shredder.

The shredder is statically and dynamically balanced. The arbor shaft is supported by oversized, self-aligning pillow bearings. The drive is fully-guarded. A bolted cover provides access to the arbor.

The [MacDonald Steel](#) Mini-Shredder is employed to reduce scrap in size for more convenient handling and to improve the scraps baling characteristics. The Shredder is constructed of heavy structural members and is all-welded construction.

### Specifications Shredder

Model	HP*	Approx Cap Lb's/hr	Required CFM
18	10-15	1500	3600
24	10-20	2000	5132
30	15-25	2500	5132
36	20-30	3000	6830
48	25-40	4000	7772

- In operations where waste is continually fed to the Mini-Shredder by a conveyor or fed by an operator, as time permits, the small motor horsepower will be suitable. If large amounts of scrap are accumulated and fed on surge basis to the shredder, the larger motor will be required.
- Based on an average capacity of 100 lbs per horse power per hour.

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