



**GRANUTECH-SATURN SYSTEMS
CORPORATION**
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SATURN Model 62-40HT SHREDDER

Data Sheet

The Saturn shredder features twin counter-rotating shafts operating at slow speed and very high torque to reduce material by means of shearing and tearing. Slight shaft speed differential contributes to the cutting action while reducing particle sizing. The Saturn shredder is driven by a high displacement hydraulic motor, which in turn is powered by Saturn's proprietary open loop hydraulic drive system. Automatic overload detection initiates cutter shaft reversal to eliminate damage to the shredder components.

SPECIFICATIONS:

- | | |
|-------------------------------|------------------|
| • Shredder Inlet Opening | 55" x 38" |
| • Shredder Outside Dimensions | 130" x 61" x 43" |
| • Power Unit Dimensions | 96" x 86" x 96" |
| • Shredder Weight | 20,000 pounds |
| • Power Unit Weight | 8,000 (dry) |

DETAILS:

Shredder

- | | |
|-------------------|--|
| • Cutter Shaft | Torque: Fast – 64,776 ft/lbs
Torque: Slow – 78,653 ft/lbs |
| • Cutter Shaft | Speed: Fast – 22
Speed: Slow – 18 |
| • Cutter Force | Fast: 77,732 lbs
Slow: 94,383 lbs |
| • Cutter Diameter | 20.5" @ hooks |

Power Unit – Open Loop, Skid Mounted

- | | |
|--------------------|---------------------------------------|
| • Electrical Power | 200 HP (2 x 100) (Optional 150-300HP) |
| • Hydraulic Flow | 156 GPM |
| • Rated Pressure | 3000 PSI |



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ELECTRICAL:

Operator initiated pushbutton controls, featuring Allen Bradley PLC. Motor controls include primary disconnect with short circuit protection, full load contactors, and electronic overload detection. Control power derived from a single-phase transformer. All components assembled and wired in a NEMA enclosure.

OPTIONAL:

- Mounting and wiring of control and motor starter panels on hydraulic power unit
- Shredder infeed hopper
- Shredder support stand
- Infeed and discharge conveyors

APPLICATIONS:

- Tires – up to 10 T/HR
- MSW – up to 15 T/HR
- Non-Ferrous Metals – up to 6 T/HR
- Plastics – up to 4 T/HR
- Bulky Waste – up to 10 T/HR

