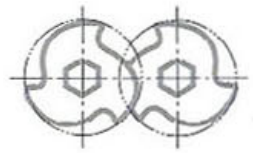


# SHRED-TECH ST-100 Shredder



**Shredder Applications:** *Steel Drums, Auto Tires, Castings, Municipal/Industrial Waste, Medical/Hazardous Waste, Pallets, Wood Waste, High Volume Production Processing, Industrial Plastics, etc.*

## Standard Features

**Cutting Chamber** The ST-100 shredders have cutting chamber sizes of 60" x 32" and 45" x 32", suitable for the loading of bulky wastes. Bulkheads eliminate the migration of debris into seals and bearings thus increasing overall shredder durability.

**Drive System** This machine features electric, gear reduced drives or hydraulic drives. The electric model has two 40 or 50 HP motors. The hydraulic model is equipped with high torque, low speed, multi-cam, radial piston motors. A common bull gear provides maximum transfer of power from both motors to either shaft for optimum efficiency.

**Knives** Shred-Tech Engineers design each knife profile and configuration to suit the material for maximum throughputs and optimum shred size.

**Control System** The ST-100 Control Panel, designed and fabricated by certified Shred-Tech technicians, features illuminated function buttons, keyed power switch, fused lockable disconnect, hour meter and programmable logic control for shredder functions including knife reversal on overload.

**Hopper and Stands** Quality is evident in the workmanship shown in the fabrication of Shred-Tech's extra heavy duty stand and hopper. As an option the stand and hopper can be modified to suit the application or installation.

**Hex Shafts** The unique design of machined hex shafts maximizes knife placement options. Size for size the hex shaft is several times stronger than a keyed shaft. The Shred-Tech hex shaft drive system offers the highest knife tip force of any equivalent shredder on the market.

**Maintenance** Several design refinements have been incorporated into the ST-100. The removable fingers from the hopper side, the sleeved bearings and the design of the hexed shafts facilitate ease of parts removal. The hopper mounting is configured to permit shredder disassembly without hopper removal. A Shred-Tech proprietary torque setting mechanism provides easy knife-stack tightening.

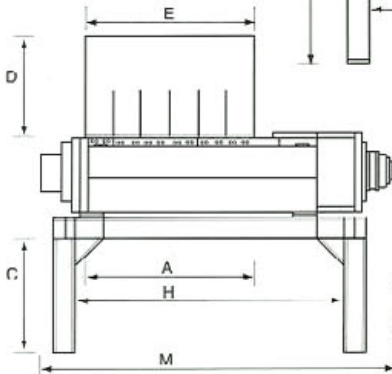
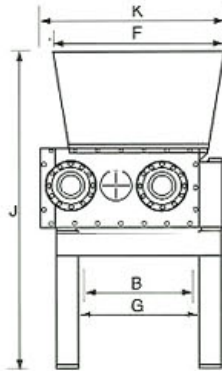
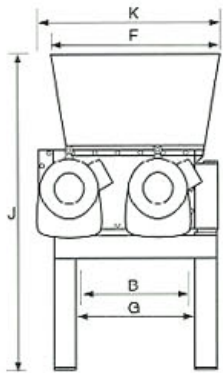
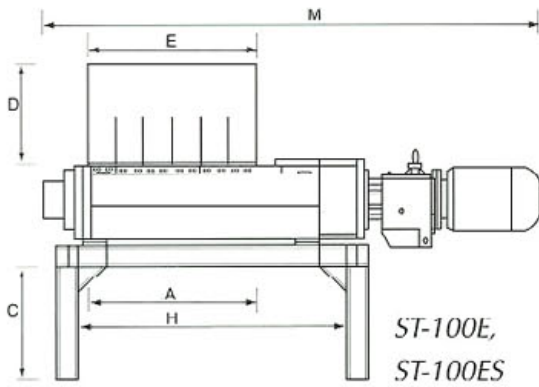
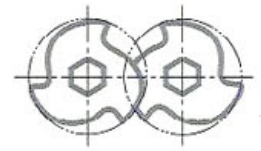
## Optional Features

- PLC Interfacing for Peripheral Equipment
- Custom Stand and Hopper
- Pneumatic or Hydraulic Ram
  - Trailer Mounted
- Vibrating, Magnetic or Rotary Separation
- Feed and Discharge Conveyors
- Reduced Voltage Starters
  - Modern Capabilities
  - Boom Crane and Working Platform
- Nitrogen Blanketing
- Explosion Proof Motors



*ST-100 High Volume Paper Reduction System*

# SHRED-TECH ST-100 Shredder



## Technical Specifications ST-100 Series

Shredder	ST-100E	ST-100H	ST-100ES	ST-100HS
Drive	Electric	Hydraulic	Electric	Hydraulic
Number of Motors	two	two	two	two
HP Range	80-100	100-125	80-100	100-125
Voltage	208-600	208-600	208-600	208-600
Cycle	50/60	50/60	50/60	50/60
Knife Thickness	1 7/8"	1 7/8"	1 7/8"	1 7/8"
Number of Knives	32	32	24	24
Knife Diameter	16 1/4"	16 1/4"	16 1/4"	16 1/4"
Hex Size	5 3/8"	5 3/8"	5 3/8"	5 3/8"
Distance Between Shafts	12 1/8"	12 1/8"	12 1/8"	12 1/8"
Cutting Chamber A x B	60 1/2" x 32"	60 1/2" x 32"	45" x 32"	45" x 32"
Discharge Height C	43"	43"	43"	43"
Hopper Height D	37"	37"	37"	37"
Hopper Opening E x F	60" x 54"	60" x 54"	45" x 54"	45" x 54"
Stand Opening G	33"	33"	33"	33"
Stand Opening H	93"	93"	78"	78"
M/C Height J	110"	110"	110"	110"
M/C Width K	57"	57"	57"	57"
M/C Length M	157"	122"	142"	107"
M/C Weight(lbs)	18,700	16,300	16,900	14,500
Floor Space(sq. ft.)	62	48	56	42