



QUAD® FOUR-SHAFT SHREDDERS

SSI's Quad® line of low-speed, high-torque, four-shaft, shredders are designed to efficiently produce small, consistent particle size.

Quad® shredders are especially suited for applications such as electronic scrap, tire recycling, alternative fuel production, and reduction of contaminated materials where uniform, small to medium particle size is desired. Four shafts in the Quad® shred and recirculate material within the machine until it is sized small enough to pass through a removable screen set immediately below the cutters.

THE QUAD® ADVANTAGE

- High-torque shearing technology efficiently processes tough materials
- Simple heavy duty construction
- Shock protection
- Bulk feed capability
- Energy efficient operation
- Low noise, dust, heat generation and maintenance costs
- Uniform particle size
- Minimum footprint and foundation requirements

DESIGN FEATURES

- Electric, hydraulic and SmartDrive™ drive configurations
- Removable Screens
- Patented "Severe Shock Protection" (SSP)
- Self-Cleaning Design
- Application-specific feed hoppers and cutter configurations
- Seal & bearing protection
- Patented "Advanced Cutter Locking System" (ACLS)



TYPICAL SHREDDING APPLICATIONS

ALTERNATIVE FUEL/REFUSE-DERIVED FUEL

MSW, industrial waste, wood, paper, tires, plastics, carpet, textiles, etc.

PRODUCT/SECURITY DESTRUCTION

Paper/documents, hard drives, off-spec or outdated goods, pharmaceuticals, electronics, plastic parts, etc.

WASTE TREATMENT/ALTERNATIVE DISPOSAL

Medical waste, radioactive materials, organics, paper fibers, MSW, industrial waste, etc.

CONTAMINATED MATERIALS & SEVERE APPLICATIONS

Materials with diverse contamination and hazards.

METAL MATERIALS

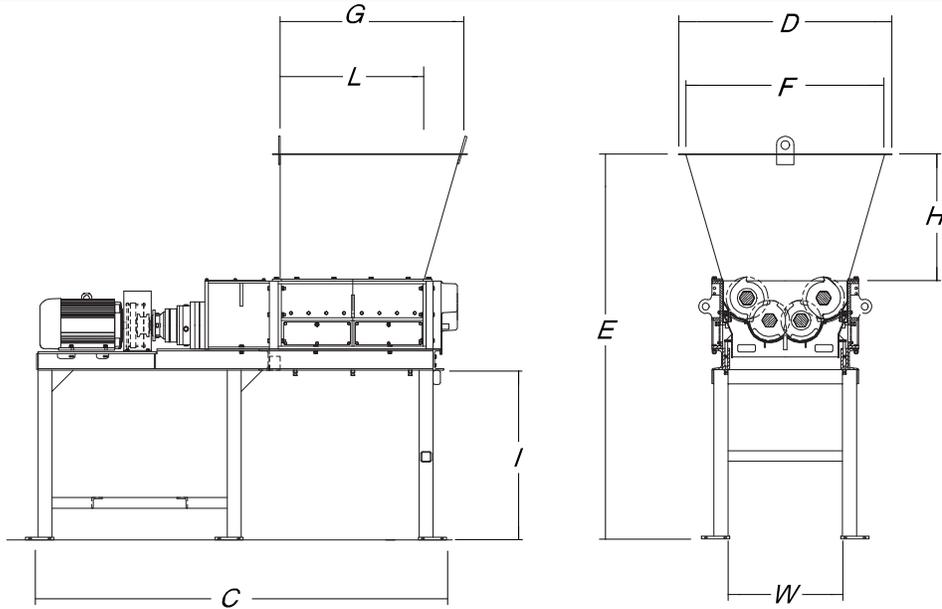
Aluminum, ferrous, non-ferrous, metal turnings, steel drums.

TIRES

Passenger, truck, and OTR (off-the-road) tires.

PLASTICS

Purgings, rolls and sheets, film, off-spec products, etc.



MODEL NO.	Q55ED	Q70ED	Q85ED	Q100ED	Q140ED	Q160ED
Quad® Specifications						
Drive	Electric; Hydraulic drive also available					
HP Range	50-60 HP (37-45 kW)	80-100 HP (60-75 kW)	120-150 HP (90-112 kW)	250-400 HP (189-298 kW)	400-600 HP (300-450 kW)	400-1,000 HP (295-736 kW)
Voltage	460/3/60*	460/3/60*	460/3/60*	460/3/60*	460/3/60*	460/3/60*
Cutter thickness	1.5" (38 mm)*	1.5" (38 mm)*	2" (50 mm)*	2" (50 mm)*	2" (50 mm)*	2" (50 mm)*
Cutter diameter	11.4" (290 mm)	14.4" (365 mm)	18.1" (460 mm)	20.9" (530 mm)	27.1" (690 mm)	32.2" (815 mm)
Shaft diameter	4.1" (105 mm)	5.2" (132 mm)	6" (152 mm)	7.4" (188 mm)	9" (229 mm)	10" (254 mm)
Cutting chamber (WxL)	36" x 31" (900 mm x 785 mm)*	44" x 52" (1,125 mm x 1,317 mm)*	54" x 52" (1,380 mm x 1,315 mm)*	62" x 63" (1,565 mm x 1,610 mm)*	82" x 75" (2,075 mm x 1,905 mm)*	101" x 101" (2,560 mm x 2,555 mm)*
Machine length (C)	124" (3,145 mm)	155" (3,945 mm)	166" (4,210 mm)	199" (5,045 mm)	210" (5,335 mm)	210" (6,045 mm)
Machine width (D)	61" (1,555 mm)	78" (1,980 mm)	64" (1,622 mm)	90" (2,285 mm)	90" (2,285 mm)	100" (2,540 mm)
Machine height (E)	109" (2,775 mm)-standard stand, head and hopper	121" (3,080 mm)-standard stand, head and hopper	133" (3,370 mm)-standard stand, head and hopper	158" (4,005 mm)-standard stand, head and hopper	161" (4,090 mm)-standard stand, head and hopper	198" (5,030 mm)-standard stand, head and hopper
Machine weight	8,500 lbs. (3,900 kg)	21,000 lbs. (9,500 kg)	29,500 lbs. (13,400 kg)	46,000 lbs. (20,900 kg)	87,000 lbs. (39,700 kg)	120,000 lbs. (54,400 kg)
Hopper opening (FxG)	56" x 51" (1,430 mm x 1,290 mm)	72" x 67" (1,825 mm x 1,700 mm)	81" x 79" (2,055 mm x 2,010 mm)	86" x 87" (2,190 mm x 2,210 mm)	113" x 108" (2,875 mm x 2,745 mm)	133" x 120" (3,380 mm x 3,050 mm)
Hopper height (H)	36" (915 mm)*	45" (1,150 mm)*	45" (1,150 mm)*	47" (1,200 mm)*	69" (1,500 mm)*	69" (1,755 mm)*
Discharge height (I)	48" (1,220 mm)*	48" (1,225 mm)*	48" (1,225 mm)*	60" (1,525 mm)*	60" (1,525 mm)*	60" (1,525 mm)*

* Standard size/configuration. Other options available.

Note: Illustrations, specifications and descriptions presented reflect standard product at time of publication and are subject to change without notice. Dimensions are approximate. Photographs may include optional equipment and accessories. SSI offers compactors, balers, granulators, conveyors, classifiers, specialized motors, stands, hoppers and mobile configurations. Consult factory to discuss your processing needs.