

QUAD[®]
by **SSI**



FOUR-SHAFT SHREDDER



Quad® cutting chamber



Chips particle sizing - output from a Quad®

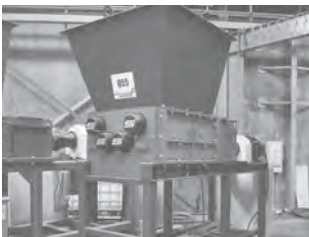
SMALL, UNIFORM PARTICLE SIZE

SSI's Quad® four-shaft shredders process a wide range of material streams to a consistently small size in a single pass. Quads employ proven low-speed technology and an integrated sizing screen to generate uniform, well-liberated output, without incurring damage from metals and other hard objects. By removing the screen, Quads can also be operated like a two-shaft shredder. They are ideal for commingled materials without overly thick metals, and their large “throat” opening allows even large, bulky items to be processed.

WHY QUAD®?

- Robust, high-torque shearing technology designed to process tough, compressible materials such as metals, carpet, etc.
- Low-speed benefits—low noise, low dust, low heat generation, low operation and maintenance costs
- Uniform particle size
- “Self-cleaning” cutting chamber and screen design
- Liberates commingled materials, maximizing recovery
- Unique removable screens (3/4” - 8”, based on application)
- Small footprint, simple design

MODELS



Q55

Cutting chamber (W x L) 36" x 31"
(900mm x 785mm)

Hopper opening (W x L) 56" x 51"
(1430mm x 1290mm)

HP range 50 - 60
(38-45kW)

Screen hole size 3/4" - 6"
(20-150mm)



Q70

Cutting chamber (W x L) 44" x 40"
(1125mm x 1025mm)

Hopper opening (W x L) 72" x 67"
(1825mm x 1700mm)

HP range 100
(75kW)

Screen hole size 3/4" - 6"
(20-150mm)



Q85

Cutting chamber (W x L) 54" x 52"
(1380mm x 1315mm)

Hopper opening (W x L) 81" x 79"
(2055mm x 2010mm)

HP range 150
(113kW)

Screen hole size 1" - 6"
(25-150mm)



Q100

Cutting chamber (W x L) 62" x 63"
(1565mm x 1610mm)

Hopper opening (W x L) 86" x 87"
(2190mm x 2210mm)

HP range 300 - 400
(224-300kW)

Screen hole size 1 1/4" - 8"
(32-200mm)



HOPPERS 1

APPLICATION-SPECIFIC FEED
HOPPERS AVAILABLE, INCLUDING
PATENTED RAM FEED ASSIST



MULTIPLE DRIVE CONFIGURATIONS 2

ELECTRIC, HYDRAULIC AND
SMARTDRIVE® OPTIONS AVAILABLE TO
SUIT SPECIFIC NEEDS



PATENTED SSP™ 3

SEVERE SHOCK PROTECTION™
PROTECTS DRIVE SYSTEM IN AN
EVENT THAT STOP SHAFTS SUDDENLY
(ELECTRIC DRIVE ONLY)



REMOVABLE SCREENS 4

EASY REMOVAL & REPLACEMENT
ALLOWS USERS TO CHANGE
OUTPUT SIZES



SEAL & BEARING PROTECTION 5

COMBINATION OF CONVENTIONAL & LABYRINTH
SEALS TO PREVENT CONTAMINATION



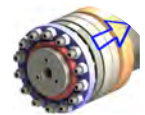
UPPER PIERCE-POINT CUTTERS 6

FEED MATERIAL INTO THE CENTER AND
RECIRCULATES UNTIL IT PASSES THE
SCREEN



LOWER BI-DIRECTIONAL CUTTERS 7

SHRED MATERIAL WHEN MOVING IN
EITHER DIRECTION ELIMINATING LOST
PRODUCTION DURING REVERSALS



PATENTED ACLS™ 8

ADVANCED CUTTER LOCKING SYSTEM
MINIMIZES MAINTENANCE & PROLONGS
CUTTER LIFE



Q125

Cutting chamber (W x L)	68" x 75" (1738mm x 1905mm)
Hopper opening (W x L)	85.5" x 88" (2248mm x 2235mm)
HP range	400 (298kW)
Screen hole size	2" - 6" (50-150mm)



Q140

Cutting chamber (W x L)	82" x 75" (2075mm x 1905mm)
Hopper opening (W x L)	113" x 108" (2875mm x 2745mm)
HP range	500 - 600 (373-450kW)
Screen hole size	2" - 8" (50-200mm)



Q145

Cutting chamber (W x L)	90" x 75" (2284mm x 1905mm)
Hopper opening (W x L)	113" x 108" (2875mm x 2745mm)
HP range	500 (373kW)
Screen hole size	2" - 6" (50-150mm)



Model Q55

WHAT NEEDS SHREDDING?[®]

The SSI Quad[®] shredders are versatile, low-speed, four-shaft machines capable of processing a wide range of materials, while also producing consistent output sizes. The design of the cutter shafts recirculate material until it reaches the desired size. Their ability to liberate materials sets them apart without damage from metals and other hard objects.

