



SSI Shredding Systems



TECHNOLOGY OVERVIEW



PRI-MAX®

PRIMARY REDUCERS

SSI's PRI-MAX® two-shaft primary reducers are commonly employed in volume reduction or pre-shredding applications with a wide range of commingled materials, including unsorted waste. Ideal for primary liberation of materials, PRI-MAX® machines output larger, recognizable items well-suited for feeding a sort line or other recovery process so that "non-shreddables" or marketable commodities can be removed prior to further processing. PRI-MAX® can also be configured as a bale-breaker or bag breaker.

PERFORMANCE: 10 to 150 tons per hour depending on materials and PRI-MAX® model.

OUTPUT: "Chunks" that are sized between 6" and 24" nominal based on cutting table configuration.



DUAL-SHEAR®

TWO-SHAFT SHREDDERS

SSI's Dual-Shear® line of two-shaft shredders are commonly employed in volume reduction, product destruction or primary shredding applications. These low-speed, high-torque industrial shredders are ideal for processing compressible materials such as rubber, metals and many plastics that need to be "cut" in order to be sized reduced. Dual-Shear® shredders are very versatile machines that can be configured to process a wide range of materials.

PERFORMANCE: 0.5 to 70 tons per hour depending on materials and Dual-Shear® model.

OUTPUT: "Strips" roughly the width of the cutters that vary in length.





QUAD®

FOUR-SHAFT SHREDDERS

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.

PERFORMANCE: 0.5 to 20 tons per hour depending on materials Quad® model and screen size.

OUTPUT: "Chips" that are roughly the same size as the holes in the integrated screen. Typically 3/4" to 8". Consistent sizing.



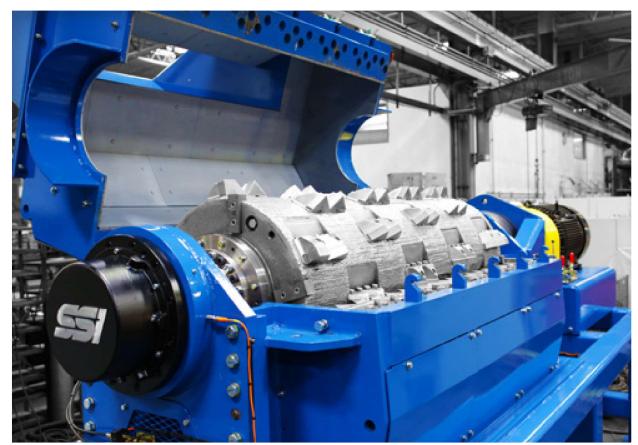
UNI-SHEAR®

ONE-SHAFT SHREDDERS & GRINDERS

SSI's Uni-Shear® one-shaft shredders are ideal for size reduction of consistent materials such as paper, plastic, foil, foam, textiles, aluminium, tire chips and more. These shredders can work as stand-alone machines in some applications, or as secondary machines that further reduce the output from primary shredders after metals have been removed. Small footprint and low parts costs make Uni-Shears® an efficient option for small particle size.

PERFORMANCE: 0.5 to 15 tons per hour depending on materials, Uni-Shear® model, use and screen size.

OUTPUT: "Chips" that are roughly the same size as the holes in the integrated screen. Typically 1/2" to 3". Consistent sizing.





WHAT NEEDS SHREDDING?®



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