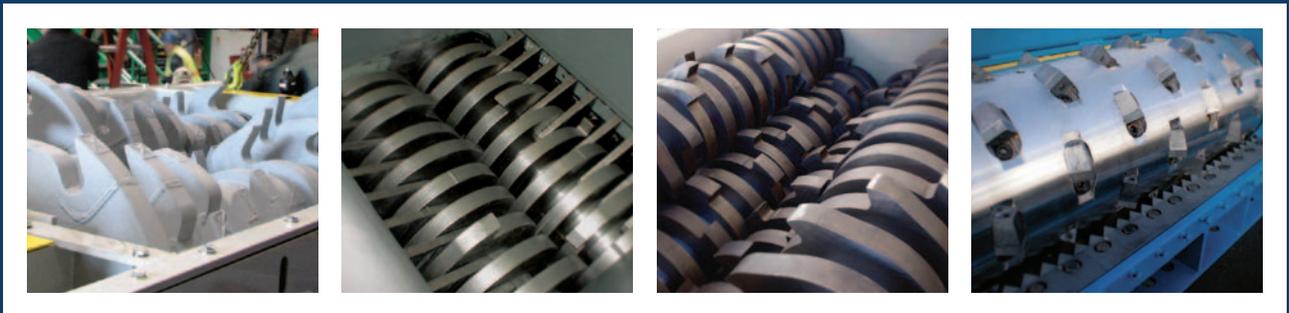


SHREDDER TECHNOLOGY OVERVIEW





PRI-MAX®

TWO-SHAFT PRIMARY REDUCERS

SSI's PRI-MAX® two-shaft primary reducers are commonly employed in bulky item reduction or pre-conditioning applications with a wide range of commingled materials, including occasional thick metals. Ideal for primary liberation of materials, PRI-MAX® machines output larger, recognizable items well suited for feeding a “pick line” or other recovery process so that “non-shreddables” or marketable commodities can be removed from the waste stream prior to further processing.

PERFORMANCE: 5 to 150 tons per hour depending on materials and PRI-MAX® model.

OUTPUT: “Chunks” that are sized typically between 6” to 24”. Irregular sizing.



DUAL-SHEAR®

TWO-SHAFT SHREDDERS

SSI's Dual-Shear® line of two-shaft rotary shear shredders are commonly employed in bulky item reduction, product destruction or pre-conditioning (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 process a wide range of materials, including metals.

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

OUTPUT: “Strips” that are equal to the width of the cutters and vary in length.





QUAD®

FOUR-SHAFT SHREDDERS

SSI's Quad® four-shaft rotary shear shredders are better known as “multi-purpose” shredders. They can work like a two-shaft shredder when the internal screen is removed, or as a sizing shredder that is able to shred, liberate and reduce a wide range of materials in one pass. Quad® shredders are ideal for commingled materials without overly thick metals, and their large “throat” opening allows big items to grab and process easier than other shredding solutions.

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 4”. Consistent sizing.



UNI-SHEAR®

SINGLE-ROTOR SHREDDERS

SSI's Uni-Shear® one shaft medium speed rotary grinders are ideal for size reduction of materials that contain minimal or small metals, such as paper, plastic, foil, foam, textiles and more. One shaft shredders can work as stand-alone machines in many applications, or as secondary machines that further reduce the output from other shredding machinery after metals have been removed. Small footprint and low parts cost make one shaft shredders good solutions for applications with consistent materials to process.

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 4”. Consistent sizing.





WHAT NEEDS SHREDDING?®

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