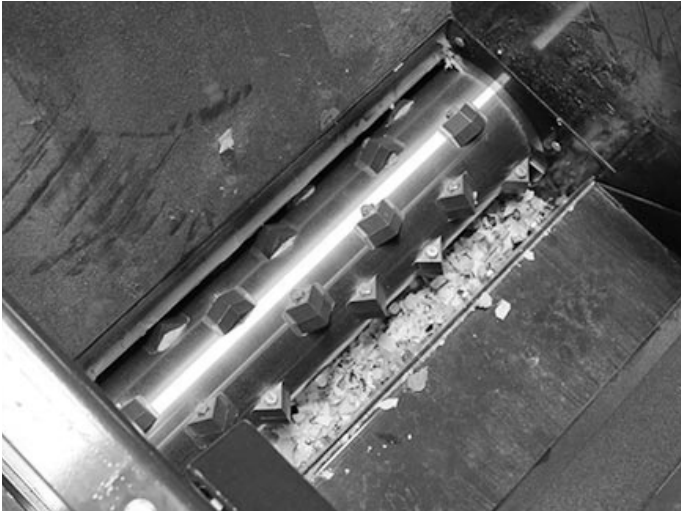


# **UNI-SHEAR<sup>®</sup>** by **SSI**



**ONE-SHAFT SHREDDER**

# UNI-SHEAR®



Uni-Shear® cutting chamber



Small chip sizing - output from a Uni-Shear®

## PARTICLE SIZE MATTERS

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.

## WHY UNI-SHEAR®?

- Produces small, uniform particle size
- Optional sizing screens from 1/2 inch to 3 inches
- Electric direct drive design (no belts)
- Operator-friendly, full function control panel
- Robust construction
- Interchangeable screens for quick cleaning and particle size adaptation
- Replaceable and reversible cutters extend uptime and productivity
- Wide range of screens available to optimize application



SR500 System

# SR300



### CUTTER HOLDERS

CAN BE INDIVIDUALLY REPLACED ALLOWING USERS TO CHANGE NUMBER OF ACTIVE CUTTERS OR REMOVE AS NEEDED



### PATENTED SSP<sup>®</sup>

SEVERE SHOCK PROTECTION PROTECTS DRIVE SYSTEM IN AN EVENT THAT STOPS SHAFT SUDDENLY



### REMOVABLE SCREEN

A WIDE RANGE OF SCREENS ARE AVAILABLE WITH VARIOUS HOLE SIZES & CONFIGURATIONS TO OPTIMIZE PARTICLE SIZE



### MULTI-USE CUTTERS

BOLT ON TO CUTTER HOLDERS AND CAN BE ROTATED & RE-USED PRIOR TO REPLACEMENT



### REUSABLE ANVILS

ADJUSTABLE TO ALLOW OPTIMAL CUTTING TOLERANCES, THEY CAN BE FLIPPED & RE-USED PRIOR TO REPLACEMENT



### LOAD SENSING RAM

RAM "PUSHER" INTERGRATED INTO HOPPER APPLIES PRESSURE FOR CONTINUOUS PROCESSING



## SR300

Cutting chamber 33" x 31"  
(840mm x 785mm)

HP Range 50  
(38kW)

Rotor diameter 11.8"  
(300 mm)

Available screens 1/2" - 6"  
(12 mm - 150 mm)



Model SR300

# SR400



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## LOAD SENSING RAM

RAM "PUSHER" INTEGRATED INTO HOPPER APPLIES PRESSURE FOR CONTINUOUS PROCESSING



## SR400

Cutting chamber 52" x 52"  
(1320mm x 1320mm)

HP Range 100  
(75kW)

Rotor diameter 15.7"  
(400 mm)

Available screens 1/2" - 6"  
(12 mm - 75 mm)



# SR500



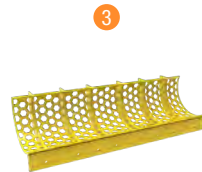
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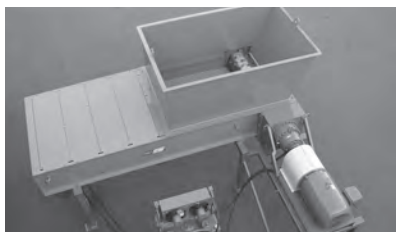
## REUSABLE ANVILS

ADJUSTABLE TO ALLOW OPTIMAL CUTTING TOLERANCES, THEY CAN BE FLIPPED & RE-USED PRIOR TO REPLACEMENT



## LOAD SENSING RAM

RAM "PUSHER" INTEGRATED INTO HOPPER APPLIES PRESSURE FOR CONTINUOUS PROCESSING



### SR500

Cutting chamber 66" x 80"  
(W x L) (1675mm x 2030mm)

HP Range 200  
(149kW)

Rotor diameter 19.7"  
(500 mm)

Available screens 1/2" - 3"  
(12 mm - 75 mm)



Model SR500

# UNI-SHEAR®



Uni-Shear® SR900 cutting chamber



Small particle sizing - output from a Uni-shear® SR900

## SSI's UNI-SHEAR® SR900 ONE-SHAFT GRINDER

Uni-Shear® one-shaft medium speed rotary grinders are large, robust, high capacity machines designed to process materials that are typically pre-sized to approximately 6" (150 mm). These one shaft machines operate at speeds ranging from 85 to 140 RPMs and they have cutters that can be used multiple times, then reground and used again. Uni-shear® grinders are designed to provide maximum throughput and material liberation in a wide range of applications. These machines "open up" to make maintenance tasks quick and efficient. All Uni-Shear® shredders include removable screens with holes that range in size from 1/2" (12 mm) to 6" (150 mm).



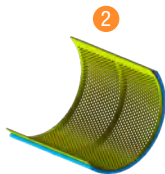
SR900 System

# SR900



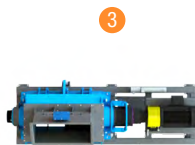
## MACHINE OPENS

EASY ACCESS FOR MAINTENANCE, "TOOL LESS" DESIGN



## REMOVABLE SCREEN

A WIDE RANGE OF SCREENS ARE AVAILABLE WITH VARIOUS HOLE SIZES & CONFIGURATIONS TO OPTIMIZE PARTICLE SIZE



## DIRECT DRIVE

SIMPLE AND EFFICIENT DRIVE WITH NO BELTS TO MAINTAIN



## MULTI-USE CUTTERS

BOLT ON TO CUTTER HOLDERS AND CAN BE ROTATED & RE-USED PRIOR TO REPLACEMENT



## PATENTED SSP™

SEVERE SHOCK PROTECTION PROTECTS DRIVE SYSTEM IN AN EVENT THAT STOP SHAFTS SUDDENLY



## SR900

Cutting chamber 41" x 80"  
(W x L)  
(1045mm x 2040mm)

HP Range 400  
(224kW)

Rotor diameter 35.4"  
(900 mm)

Available screens 1/2" - 3"  
(12 mm - 75 mm)



Model SR900

# WHAT NEEDS SHREDDING?®

The SSI Uni-Shear® combines single-rotor and medium-speed design, creating a machine designed for precise and consistent particle size. They excel as part of system, reducing preprocessed materials to a specific size. SSI designs Uni-Shear® shredders with features like vertical feed, reversible cutters, and ram assist with the goal of increasing their productivity, longevity, and ease of maintenance. Uni-Shear® shredders are best equipped to shred brittle materials such as wood, paper, and plastics.

