

PRI-MAX
by **SSI**

THE MULTI-MATERIAL PRIMARY REDUCER

PRI-MAX™ reduces virtually any material at high capacity—up to 100 tons per hour.



ASPHALT SHINGLES

RAILROAD TIES W/PLATES & SPIKES

ALUMINUM SCRAP



DEMOLITION WOOD

YARD DEBRIS

ROCK



CLAY TILE

FURNITURE

APPLIANCES

REINFORCED CONCRETE

WASTE WOOD

CONCRETE BLOCKS

PLASTIC SHEETS & BALES



PLASTIC DRUMS

PERISHABLE FOOD PRODUCTS & PACKAGING

COPPER SCRAP

AUTOMOTIVE COMPONENTS



TIRES

MEDIUM DENSITY FIBERBOARD

TITANIUM SCRAP

FIBERGLASS INSULATION

SLAG

PALLETS/SKIDS/CRATING

CLAY BRICK



TREE STUMPS

CARDBOARD/PAPER

HEMP BALES



SCRAP METAL



MATTRESSES

ASPHALT



MIXED CONSTRUCTION & DEMOLITION DEBRIS

WHOLE ANIMAL CARCASSES

CARPETING

RUBBLE CLEAN-UPS

ELECTRICAL WIRE

PRI-MAX™

The PRI-MAX™ Primary Reducer is more than a heavy duty shredder. It combines ripping and shearing technologies to shred, tear, pierce, chop, split, flatten, crush, break and reduce materials. The unique cutter profiles and patented open cutting table design are key to achieving high capacity reduction of virtually any material.

With processing rates from 1 to 150 tons per hour, SSI's PRI-MAX product lines represent the most comprehensive range of multi-material reducers in the world.



Patented open cutting table

- Single and dual shaft cutting tables are equipped with aggressive, special alloy cutters for high wear resistance and strength.

- Variable speed drive for widest processing range. High performance mode provides maximum throughput, while heavy duty mode delivers highest torque for reducing denser materials.

- Independent, bi-directional shaft rotation provides forward and reverse shredding to increase production and prevent material wrapping around the shaft.

- Operational modes are easily programmed to suit materials being shredded.

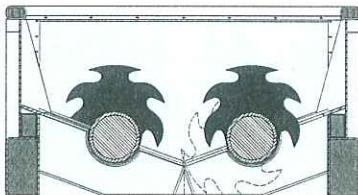


Model PR-6000S, primary reducer

- Heavy duty, open-grate cutting table and strategic cutter placement ensure that abrasives including aggregate, sand, soils and metal fragments will fall directly through the cutting table, reducing wear and operating costs.

Cutter Design

PRI-MAX cutters are uniquely designed to optimize processing of multiple materials. High strength, wear resistant alloys maximize cutter life while minimizing operating costs.



PR-6000 with aggressive, bi-directional cutters for high performance



PR-4000 on tracks

- Low-speed, hydraulic drive technology provides an environmentally friendly operation with low noise, low dust, minimized fines, high on-line reliability and low maintenance.
- Shockload protection feature safeguards shredder and drive components against overfeeding and damage by non-shreddables.
- Advanced Programmable Logic Controller (PLC) constantly supervises and monitors the systems and functions of the entire machine including temperature, error reporting, reversing of shafts under severe load and alarms for non-shreddable material.



PR-4000 mobile reducer processing stumps



The unique PRI-MAX cutting table is the ideal solution for high capacity, reliable processing with low operating costs.

PRI-MAX Models



PR-770

Production rate*	10-40tph
Number of shafts	2
Power	
<i>diesel</i>	250HP
<i>electric</i>	200HP
Infeed opening	
<i>dimensions</i>	112"l x 81"w x 30"h
<i>capacity*</i>	5.3 yd ³
Active cutting zone	
<i>dimensions</i>	75"l x 57"w
<i>area</i>	30 ft ²



PR-4000

Production rate*	30-80tph
Number of shafts	2
Power	
<i>diesel</i>	540HP
<i>electric</i>	400HP
Infeed opening	
<i>dimensions</i>	146"l x 79"w x 28"h
<i>capacity*</i>	6.4 yd ³
Active cutting zone	
<i>dimensions</i>	94"l x 69"w
<i>area</i>	45 ft ²



PR-6000

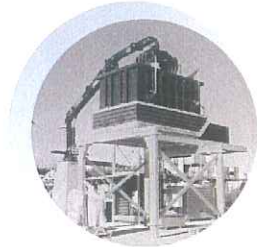
Production rate*	60-150tph
Number of shafts	2
Power	
<i>diesel</i>	700HP
<i>electric</i>	500HP
Infeed opening	
<i>dimensions</i>	224"l x 94"w x 43"h
<i>capacity*</i>	13.1 yd ³
Active cutting zone	
<i>dimensions</i>	129"l x 82"w
<i>area</i>	73 ft ²

*Extended hoppers available for increased infeed capacity. The capacities stated are guidelines and not guaranteed values. Actual capacity may vary depending on your specific material, number of cutters, feed method and other operational variables.

WHAT NEEDS SHREDDING?™

Obviously your goal isn't to be the proud owner of a primary reducer; it's to run a successful business. A primary reducer is just a tool. SSI's goal is to help you pick the right tool. To do this well, we need to talk to you about your goals and needs. When you call, here are some of the things we'll ask:

WHAT IS YOUR RANGE OF MATERIALS?



HOW WILL THE PRI-MAX™ BE FED?

WHAT IS YOUR DESIRED PRODUCTION RATE?



WHAT IS YOUR IDEAL OUTPUT PRODUCT SIZE?

WHAT WILL BE THE NEXT STEP FOR THE PROCESSED MATERIAL?

ELECTRIC OR DIESEL HYDRAULIC POWER UNIT?



STATIONARY INSTALLATION OR MOBILE?



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