

PREDATHOR

PROCESSING CAPACITY: 20-40 MT/h



OUTPUT MATERIAL
AS PER ISRI STANDARDS

INPUT MATERIAL

ALUMINIUM SCRAP

- ✓ AL CANS
- ✓ LIGHT AL SCRAP
- ✓ PRE-SHREDDED AL SCRAP
- ✓ AL PROFILES
- ✓ AL SUMPS
- ✓ SLIGHTLY PRESSED AL SCRAP BALES
- ✓ SHEARED AL SCRAP BALES
- ✓ AL SCRAP BALES
- ✓ AL ENGINE BLOCKS

FERROUS SCRAP

- ✓ Fe CANS
- ✓ LIGHT Fe SCRAP
- ✓ PRE-SHREDDED Fe SCRAP
- ✓ SLIGHTLY PRESSED Fe SCRAP BALES
- ✓ SHEARED Fe SCRAP BALES
- ✓ Fe SCRAP BALES
- ✓ CAR PARTS
- ✓ FLATTENED CARS (WIDTH<80")
- ✓ ENTIRE CARS (WIDTH<80")

WHITE GOODS / APPLIANCES

- ✓ SMALL SIZE WHITE GOODS
- ✓ MEDIUM SIZE WHITE GOODS
- ✓ BIG SIZE WHITE GOODS

OTHER MATERIALS

- ✓ CDW
- ✓ CONCRETE
- ✓ REINFORCED CONCRETE
- ✓ CONCRETE RAILWAY SLEEPERS

MOBILE HAMMERMILL SHREDDER: **PREDATHOR**



KEY BENEFITS

- FINAL PRODUCT DENSITY UPGRADE
- FINAL PRODUCT VOLUME REDUCTION
- EASY APPROVAL OF OPERATING PERMIT
- HIGH MOBILITY, MOUNTED ON TRACK SYSTEM
- HIGH VERSATILITY OF MATERIALS TO PROCESS
- HIGH RESIDUAL VALUE
- OPTIMIZED FOOTPRINT
- REDUCED CIVIL WORK COST (Only Solid Ground Required)
- REDUCED ASSEMBLY TIME
- LOW ASSEMBLY COST
- HIGH GRATE SURFACE
- HIGH ROI, QUICK PAYBACK
- DESIGNED TO MINIMIZE WEAR COSTS
- DESIGNED TO OPTIMIZE MAINTENANCE OPERATIONS
- PROCESS MONITORING AND OPTIMIZATION SERVICE
- TOP QUALITY COMPONENTS (HARDOX, etc.)
- TOP QUALITY VENDOR LIST (SKF, SCHNEIDER ELECTRIC, PARKER, etc.)



TECHNICAL DATA

PREDATHOR 2121 KP

UNDERCARRIAGE SYSTEM

PRE-SHREDDER

- Pre-shredder PSZB-2115-II
- Internal width: 2100 mm
- Driven by two Högglunds low-speed high-torque hydraulic motors per rotor
- Top rotor maximum torque: 330,000 Nm
- Top rotor toothed discs diameter: 1500 mm
- Bottom rotor maximum torque: 330,000 Nm
- Bottom rotor toothed discs diameter: 1500 mm

HAMMERMILL SHREDDER

- FRZB-2121-P hammermill shredder
- Internal width: 2100 mm
- Hammers weight: 103 kg
- Replaceable grates
- Equipped with an anvil
- Rotor hammer swing diameter: 2100 mm
- Raiseable rotor with the upper frame
- Hydraulically operated ejection gate for unshreddables

VIBRATING SHAKER UNDERNEATH THE HAMMERMILL SHREDDER

- Length: 3.00 m
- Width: 1500 mm

HAMMERMILL SHREDDER DISCHARGE CONVEYOR

- Reinforced rubber belt conveyor
- Width: 1600 mm
- Length: 6.50 m
- Discharge height: 2.60 m

ENGINE

- CAT C32 1125 bHP STAGE V diesel engine

HYDRAULIC HAMMER-PIN EXTRACTOR

REMOTE CONTROL

WEIGHT AND DIMENSIONS

- Length: 15.20 m approx.
- Width: 5.30 m approx.
- Height: 7.90 m approx.
- Weight: 175 MT approx.

PREDATHOR 1616 KP

PREDATHOR 1816 KP

UNDERCARRIAGE SYSTEM

PRE-SHREDDER

- Pre-shredder PSZB-2115-I
- Internal width: 2100 mm
- Driven by one Högglunds low-speed high-torque hydraulic motor per rotor
- Top rotor maximum torque: 115,000 Nm
- Top rotor toothed discs diameter: 1500 mm
- Bottom rotor maximum torque: 115,000 Nm
- Bottom rotor toothed discs diameter: 1200 mm

HAMMERMILL SHREDDER

- FRZB-1616-P hammermill shredder
- Internal width: 1600 mm
- Hammers weight: 62 kg
- Replaceable grates
- Equipped with an anvil
- Rotor hammer swing diameter: 1600 mm
- Raiseable rotor with the upper frame
- Hydraulically operated ejection gate for unshreddables

VIBRATING SHAKER UNDERNEATH THE HAMMERMILL SHREDDER

- Length: 2.80 m
- Width: 1100 mm

HAMMERMILL SHREDDER DISCHARGE CONVEYOR

- Reinforced rubber belt conveyor
- Width: 1200 mm
- Length: 6.50 m
- Discharge height: 2.60 m

ENGINE

- CAT C18 755 bHP STAGE V diesel engine

HYDRAULIC HAMMER-PIN EXTRACTOR

REMOTE CONTROL

WEIGHT AND DIMENSIONS

- Length: 14.20 m approx.
- Width: 4.30 m approx.
- Height: 7.00 m approx.
- Weight: 105 MT approx.

OPTIONALS:

- Fully capped rotor
- Magnetic separation unit (electromagnetic drum)
- Metals separation unit (ECS)
- Manual sorting unit
- De-dust system



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