

CRUSHING AND RECYCLING SPECIALISTS
ESPECIALISTAS EN TRITURACIÓN Y RECICLAJE



**PROCESSING
CAPACITY:
25 – 40 US ton/h**

THOR 8080 K



OUTPUT MATERIAL



AS PER ISRI STANDARDS

INPUT MATERIAL

ALUMINUM 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: **THOR 8080 K**

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

MOBILE HAMMERMILL SHREDDER UNIT

- ▲ **UNDERCARRIAGE SYSTEM**
- ▲ **FEEDING SYSTEM**
 - Tilting ramp
 - Width: 83"
 - Length: 23.00 ft
 - Open-air Length: 15.00 ft
- ▲ **FEEDING ROLLER**
 - Ø28"
 - Elevation by hydraulic cylinders
 - Rotation by hydraulic motors
- ▲ **HAMMERMILL SHREDDER**
 - FRZB-8080 hammermill shredder
 - Internal width: 83"
 - Hammers weight: 230 lb
 - Replaceable grates
 - Equipped with anvils
 - Rotor hammer swing diameter: 80"
 - Raiseable rotor with the upper frame
 - Hydraulically operated ejection gate for unshreddables
 - Driven by driveshaft (cardan shaft)
- ▲ **HAMMERMILL SHREDDER DISCHARGE CONVEYOR**
 - Reinforced rubber belt conveyor
 - Width: 63"
 - Length: 21 ft
 - Discharge height: 8.20 ft
- ▲ **ENGINE**
 - 220 bHP diesel engine

- ▲ **HYDRAULIC HAMMER-PIN EXTRACTOR**
- ▲ **REMOTE CONTROL**
 - Includes tilting ramp operation control
 - Includes feeding roller operation control
 - Includes hammermill shredder ejection gate opening and closure control
- ▲ **WEIGHT AND DIMENSIONS**
 - Length: 61.00 ft
 - Width: 13.00 ft
 - Height: 20.00 ft
 - Weight: 255,000 lb

MOBILE POWER UNIT

- ▲ **UNDERCARRIAGE SYSTEM**
- ▲ **DRIVE**
 - 1600 bHP or 2000 bHP diesel engine
 - Speed reducer
 - Open circuit hydraulic clutch
- ▲ **WEIGHT AND DIMENSIONS**
 - 1600 bHP**
 - Length: 27.50 ft
 - Width: 8.20 ft
 - Height: 11.50 ft
 - Weight: 55,000 lb
 - 2000 bHP**
 - Length: 30.50 ft
 - Width: 9.50 ft
 - Height: 12.50 ft
 - Weight: 70,000 lb

OPTIONALS

- Tilting infeed metallic conveyor
- Double feeding roller
- Fully capped rotor
- Magnetic separation unit (electromagnetic drum)
- Metals separation unit (ECS)
- Manual sorting unit
- De-dust system

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