

CRUSHING AND RECYCLING SPECIALISTS
ESPECIALISTAS EN TRITURACIÓN Y RECICLAJE



PROCESSING
CAPACITY:
20 – 35 MT/h

THOR 2121 K



OUTPUT
MATERIAL



AS PER ISRI STANDARDS

INPUT MATERIAL

ALUMINIUM

- AI CANS ✓
- LOOSE AI SCRAP ✓
- MIXED LIGHT AI SCRAP ✓
- AI PROFILES ✓
- AI PIPES ✓
- AI SUMPS ✓
- SLIGHTLY PRESSED AI SCRAP BALES ✓
- AI SCRAP BALES ✓
- AI ENGINE BLOCKS ✓

METAL SCRAP

- METAL CANS ✓
- LIGHT METAL SCRAP ✓
- SLIGHTLY PRESSED METAL SCRAP BALES ✓
- CAR PARTS ✓
- SHEARED CARS ✓
- SHEARED METAL SCRAP BALES ✓
- METAL SCRAP BALES ✓
- FLATTENED CARS [WIDTH < 2,1 m (83")] ✓
- ENTIRE CARS [WIDTH < 2,1 m (83")] ✓

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 2121 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: 2100 mm (83")
 - Length: 7.00 m (23.00 ft)
 - Open-air Length: 4.60 m (15.00 ft)
- ▲ **FEEDING ROLLER**
 - Ø710 mm (28")
 - Elevation by hydraulic cylinders
 - Rotation by hydraulic motors
- ▲ **HAMMERMILL SHREDDER**
 - FRZB-2121 hammermill shredder
 - Internal width: 2100 mm (83")
 - Hammers weight: 105 kg (230 lb)
 - Replaceable grates
 - Equipped with anvils
 - Rotor hammer swing diameter: 2100 mm (82")
 - 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: 1600 mm (63")
 - Length: 5.50 m (18 ft)
 - Discharge height: 2.60 m (8.50 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: 18.60 m (61.00 ft)
 - Width: 3.95 m (13.00 ft)
 - Height: 6.10 m (20.00 ft)
 - Weight: 115 MT (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: 8.40 m (27.50 ft)
 - Width: 2.50 m (8.20 ft)
 - Height: 3.50 m (11.50 ft)
 - Weight: 25 MT (55,000 lb)
 - 2000 bHP**
 - Length: 9.30 m (30.50 ft)
 - Width: 2.90 m (9.50 ft)
 - Height: 3.80 m (12.50 ft)
 - Weight: 32 MT (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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