

CRUSHING AND RECYCLING SPECIALISTS
ESPECIALISTAS EN TRITURACIÓN Y RECICLAJE



PROCESSING
CAPACITY:
15 - 25 MT/h

THOR 1721 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 ✗
- ENTIRE CARS ✗

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 1721 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: 1700 mm (67")
- 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-1721 hammermill shredder
- Internal width: 1700 mm (67")
- 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: 1200 mm (47")
- Length: 5.50 m (18 ft)
- Discharge height: 2.60 m (8.50 ft)
- Driven by hydraulic motor

▲ 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: 3.50 m (11.50 ft)
- Height: 6.10 m (20.00 ft)
- Weight: 104 MT (230,000 lb)

MOBILE POWER UNIT

▲ UNDERCARRIAGE SYSTEM

▲ DRIVE

- 1200 bHP or 1600 bHP diesel engine
- Speed reducer
- Open circuit hydraulic clutch

▲ WEIGHT AND DIMENSIONS

- 1200 bHP
- Length: 8.10 m (26.50 ft)
 - Width: 2.50 m (8.20 ft)
 - Height: 3.35 m (11.00 ft)
 - Weight: 23 MT (50,000 lb)
- 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)

▲ 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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