POSIMETRIC FEEDERS

- Glide Plate
- Hub
- Disk
- Glide Plate
Feed material consolidates and locks up at a constant density as it enters the rotating duct.
POSIMETRIC FEEDERS

Feed material consolidates and locks up at a constant density as it enters the rotating duct.

The fully locked up material moves with the duct as if it were a solid.
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Feed material consolidates and locks up at a constant density as it enters the rotating duct.

The fully locked up material moves with the duct as if it were a solid.

Material unlocks and gently discharges at a linear rate.
SUNBURY

• CULM
• OTHER FUELS AS NEEDED

• TENDENCY TO BRIDGE
Material does not move against disks or hub
  Discoloration/corrosion on hub

Minimal force exerted to achieve lockup
  No erosion of glide plate
POSIMETRIC FEEDER
Alabama Power- Gadsden Station
POSIMETRIC METERING

IN-SHOP TESTING

PerCent Moisture

Pounds per Revolution

As-Fired

Moisture Free

Pounds per Revolution

6.7 6.7 8.4 8.4 10 10 11.5 11.5

As-Fired

Moisture Free

PerCent Moisture

115

120

125

130

135

140

145
POSIMETRIC FEEDER
Multi-Disk Feeders

- Greater Width with Smaller Disks
  - Increased Throughput
  - Larger Inlet Opening
- To Match Process Equipment
REQUIREMENTS

• CONSTANT FLOW - NO SURGING

• SPREAD FEED ACROSS ENTIRE CRUSHER WIDTH

• FEED ENTERS CRUSHER VERTICALLY

• DUST CONTROL
POSIMETRIC FEEDER

CRUSHER FEEDERS

RESULTS

• Feeder Discharge Characteristics Met
• 99% Accuracy and Repeatability
• Negligible Dust Generation
• 98.8% Through #4 Mesh at 550 TPH
POSMETRIC FEEDER
CRUSHER AFTER >1,000,000 TONS COAL
POSIMETRIC FEEDER
TRANSFER FEEDERS

BENEFITS

• DUST CONTROL
• RELIABILITY IN REMOTE LOCATIONS

TYPICALLY LARGE CAPACITY

• 800 TPH – 1800 TPH