



Toll Calcining

EQUIPMENT

- Heyl & Patterson rotary calciner
- Diameter: 4 feet
- Heated Section: 30 feet
- Indirectly fired via 12 burners in 3 zones
- Inconel 600 Alloy shell in heated zones, SS316L in cooling zone
- Maximum Operating Temperature: 1035 °C
- Cooling section to reduce material temperature to 100 °C or below
- Wireless bed telemetry in four zones, for accurate measurement of material bed temperature.
- Feed end equipped with retaining dam to prevent back spillage into breeching
- Flights and turning bars install to gently roll material to expose new surfaces of material for uniform heating

FACILITY

- Newly constructed dedicated building
- Automated material loading and unloading to exact package weights
- Designed for loading and unloading of bulk bags, but adaptable for other containers

PRODUCT ANALYSIS AND TESTING

- Complete in-process product analysis including sieve analysis, laser diffraction particle size analysis, free moisture, pH, loss on ignition, and bulk density