



Calcium Carbonate (CaCO_3) Compounding Pelletizing Plant



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Calcium Carbonate (CaCO₃) Compounding Pelletizing Plant



Dispersion Kneader

→ Our Dispersion Kneader machine ensures uniform dispersion of compounds, easy cleaning for color change & simple operation and symbolizes techno-economic success. The entire range of Dispersion Kneader has cooling jacket construction which thereby improves the mixing dispersion and prevents material from scorching.



Conical twin screw force feeder

→ Apply to all kinds of granule, powder, fiber, film, sheet or polymer blend and other raw materials that are difficult in feeding.

Advantage: The raw materials through the force feeder, than continuously and uniformly feed to extruder. The speeder can adjust feeding quantity, replacing manual feeding, to avoid uneven feeding and accident. The force feeder makes feeding energy-saving, safe, high-efficient.



Non Stop Screen Changer

- Rugged design provides resilience to wear
- Easier access and less interference for the operator
- Filters out contaminants
- Quick delivery time
- Leak free process
- Minimum pressure drop
- No seals or contact parts



Gearbox

- Low noise
- High torque
- Designed base on the AGMA standard
- Using top quality SKF/FAG bearings
- Japan NOK oil seals



Air cooling die face cutting system

- Blades are designed with four cutting surfaces, instead of two, double effective.
- Output: up to 1000kg/hr.
- Noise Mitigation
- Safety



Centrifugal Dryer

- High speed
- High output
- Safety interlocks
- Heavy duty construction
- Designed for long term production
- Easy maintenance

About GENIUS Machinery

GENIUS Machinery Co., Ltd. was established in 1992, professional in plastic extruder, plastic pelletizer, plastic recycling plant, blown film machine, plastic film extrusion plants, plastic sheet extrusion production line equipment design and planning. It also has the best credential and experience in shredder machine, waste cleaning line, film recycling machine.



Electric Control Cabinet

- Independence
- PID system
- Noise Mitigation
- Space Optimization
- Safety

Air cyclone

- To cool down the cutted pellets by striking the walls.
- Noise Mitigation
- Inner bilayer wall with water circulation in between to cool down pellets temperature.



Vibrating screener

- Three layers design to separate oversized & undersized pellets.
- Noise Mitigation

Air Die Face Pelletizing

- Applicable for most polyolefins. An excellent pellet geometry is assured by the adjustable contact pressure of the pelletizing knives according to the requirements of the material

