



The name you know, experience you trust

Size Reduction for Pellet Processing



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Efficient size reduction is a critical first step in pellet processing. Properly prepared feedstock ensures uniform pellet density, maximizes throughput, and reduces wear on downstream equipment. CSE Bliss offers engineered solutions to optimize size reduction for a variety of materials, from wood and biomass to feed and agricultural byproducts.

WHY SIZE REDUCTION MATTERS

- **Consistency:** Uniform particle size improves pellet quality, enhances binding, and ensures consistent density.
- **Efficiency:** Properly sized material reduces energy consumption in pellet mills and increases throughput.
- **Equipment Protection:** Minimizes the risk of clogging and excessive wear in pellet mills.
- **Adaptability:** Suitable for diverse feedstocks including wood chips, sawdust, straw, grass, and other biomass materials.

CSE BLISS SIZE REDUCTION SOLUTIONS

CSE Bliss offers a variety of hammer mills and shredders designed for fine, medium, or coarse reduction. Key features include:

- **Customizable Screens:** Multiple screen sizes allow precise control of final particle size.
- **Variable Rotor Speeds:** Adjust rotor speed to optimize throughput and particle uniformity.
- **Durable Hammers:** Heavy-duty, replaceable hammers designed to handle abrasive and fibrous materials.

- **High Throughput:** Engineered for continuous operation with minimal downtime.
- **Flexible Configurations:** Options for infeed conveyors, feeders, and multi-stage reduction systems.

KEY FACTORS AFFECTING PELLET FEED SIZE

- **Material Properties:** Hardness, moisture content, and fibrous content impact the required reduction method.
- **Screen Size:** Determines the maximum particle size exiting the mill.
- **Hammer Size & Number:** Influences particle size distribution and throughput.
- **Rotor Speed:** Higher speeds generally produce finer particles; lower speeds improve throughput for coarse material.

BENEFITS OF USING CSE BLISS SOLUTIONS

- Reduced energy consumption in pellet mills
- Improved pellet durability and uniformity
- Lower maintenance and operational costs
- Scalable solutions to meet production demands

CONTACT CSE BLISS

For more information on optimizing your pellet processing with CSE Bliss size reduction solutions, visit www.csebliss.com or contact your local representative.