Hosokawa Micron Introduce the MIKRO MAK Mill for Single Stage Processing of Fibrous Materials

The special geometry of Hosokawa's Mikro MAK mill's grinding elements makes it suitable for the size reduction of natural fibrous materials such as wood, cellulose, grain, bran, corn, peas and reeds. All traditionally difficult products to grind and frequently processed in multi-stage operations. The Mikro MAK offers single stage processing by combining impact comminution, cutting and classifying in one mill. End products have a high fineness and a narrow particle size distribution with minimum ultra fines.

Feed material is pneumatically introduced to the mill, where grinding is affected by impact, first against the rotating elements and then the stationery liner. The ground material is then routed to the integrated internal air classifier which separates the fine product and returns the coarse material for regrinding. All within the compact grinding/classifying chamber of the Mikro MAK.

Mikro MAK mill sizes range from the MAK 320 at 11kW drive power to the MAK 1800 which has 355kW. Throughput rates vary depending on product application and fineness demands but typically pine wood, fed at 780kgs/hr with an initial size of 1 - 4mm to the Mikro MAK 1800 can produce a final ground product of 93% below 100microns.