

DESCRIPTION OF THE CUMBERLAND 50B CENTRAL GRANULATOR (B SERIES)

From one of the most trusted names in the reclamation industry comes the Cumberland B Series Granulator. These central granulators are acknowledged as thoroughly heavy duty and durable. They have a high capacity and are capable of tackling some of the most formidable materials, including everything from x-ray films to thick sheets as well as bails of post-consumer plastics and extruder purgings among many other tough materials. The Cumberland 50B Central Granulator is one of the larger units and features a massive 20" x 50" throat, along with an 18" cutting circle inside of the chamber. It can handle around 3500 pounds per hour in throughput and uses 10" airveyor chute to discharge the reclaimed compounds. The unit sends materials along a conveyor feed into the heavy duty base. This houses the durable rotor and the large cutting chamber. The rotor is an open, three knife high shear design that features bolted blades to ensure their durability and long use. The beds are also equipped with the same HCHC blades as the rotor, but are limited to two blades that can be raised if the option is purchased. These blades work together to cut efficiently and evenly. The process is handled by the 150HP motor, the heavy duty flywheel (which offsets any moments of inertia created by materials that are extremely challenging), and the outboard mounted bearings. The interior of the chamber is machined too, and the smoothness allows optimal flow of all materials too. Everything passes into the standard 3/8" screen before heading into the evacuation area.

The Cumberland 50B Central Granulator is easily maintained thanks to the smart design of the unit. The end removable screen makes it easy to clean and replace the unit, and the central cutting chamber is designed for easy and safe access. Want to customize your machine? The 50B granulator offers several options and upgrades that include a much more powerful motor (up to 400HP), a range of different infeed supplies that include rolls and trays, five knives on the rotor, a wear resistance package, raised bed knives, onboard controls, and much more. There are also options for larger discharge units too. The Cumberland 50B Central Granulator is a high capacity and heavy duty solution for any business that must tackle reclamation of the more challenging materials. It is a solid and dependable unit that is acknowledged as a good answer for many different applications.

Line Drawings for Cumberland B Series Central Granulators

50 B:

